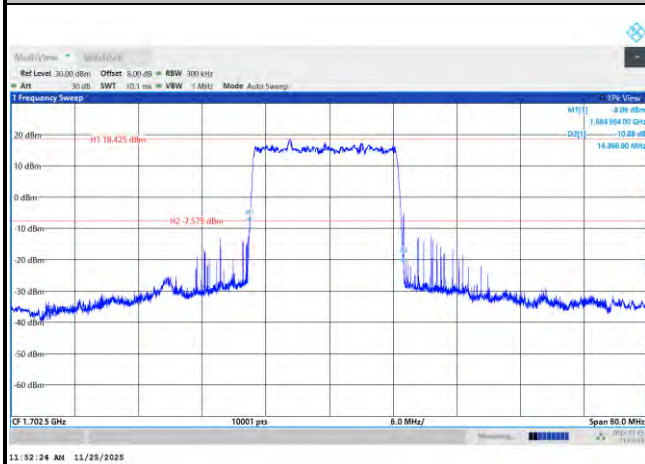


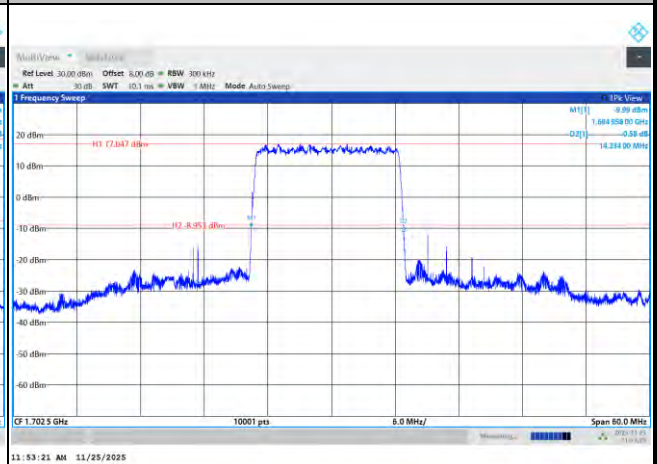


FR1 n70 / 15MHz / DFT-S OFDM / Middle Channel / Full RB

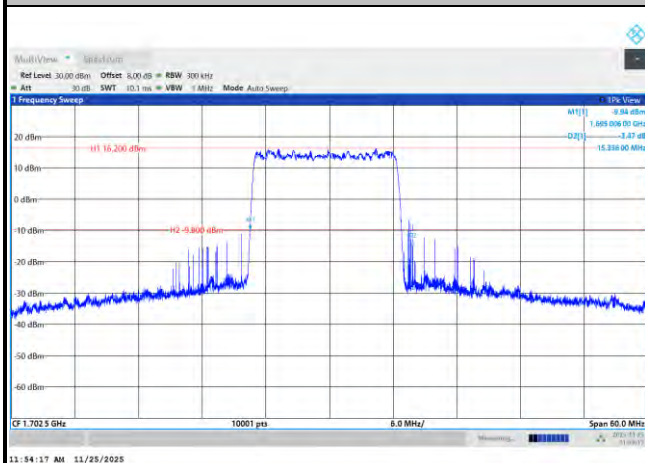
PI/2 BPSK



QPSK



16QAM



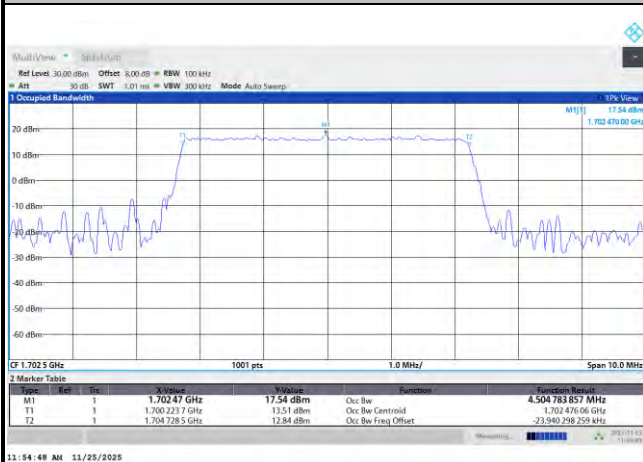
**Occupied Bandwidth**

| Mode      | FR1 n70 : 99%OBW(MHz) / DFT-S OFDM |      |           |      |           |       |  |  |
|-----------|------------------------------------|------|-----------|------|-----------|-------|--|--|
| BW        | 5MHz                               |      | 10MHz     |      | 15MHz     |       |  |  |
| Mod.      | PI/2 BPSK                          | QPSK | PI/2 BPSK | QPSK | PI/2 BPSK | QPSK  |  |  |
| Middle CH | 4.50                               | 4.50 | 9.01      | 8.98 | 13.47     | 13.46 |  |  |
| Mod.      | 16QAM                              |      | 16QAM     |      | 16QAM     |       |  |  |
| Middle CH | 4.49                               |      | 8.97      |      | 13.44     |       |  |  |

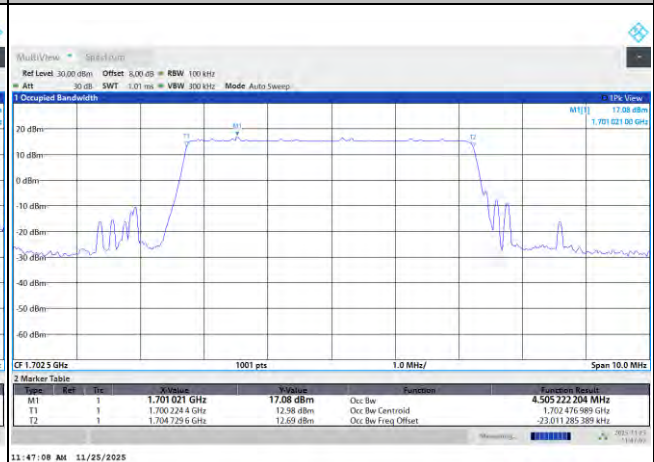


## FR1 n70 / 5MHz / DFT-S OFDM / Middle Channel / Full RB

## PI/2 BPSK



## QPSK



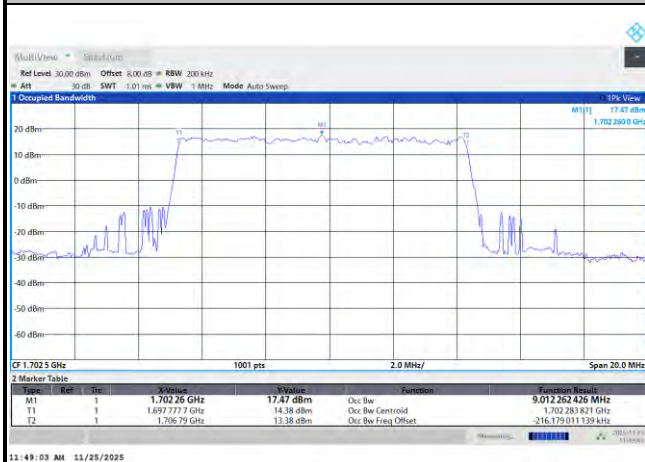
## 16QAM





## FR1 n70 / 10MHz / DFT-S OFDM / Middle Channel / Full RB

## PI/2 BPSK



## QPSK



## 16QAM





FR1 n70 / 15MHz / DFT-S OFDM / Middle Channel / Full RB

PI/2 BPSK



11:51:56 AM 11/25/2025

QPSK



11:52:53 AM 11/25/2025

16QAM



11:53:49 AM 11/25/2025



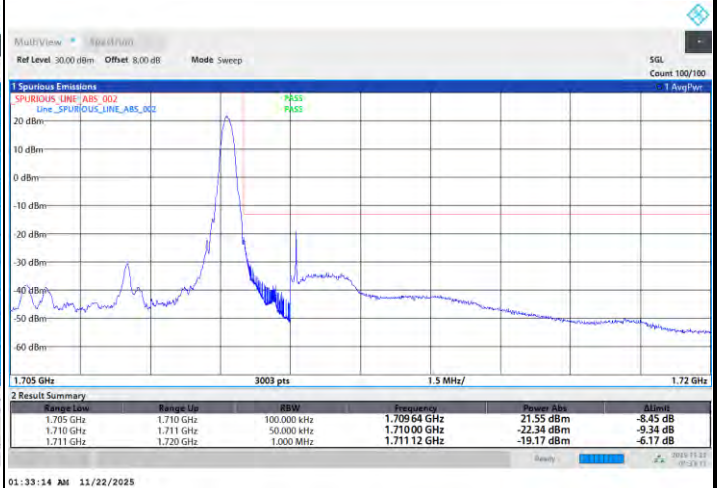
# Conducted Band Edge

## FR1 n70 / 5MHz / DFT-S OFDM / PI/2 BPSK

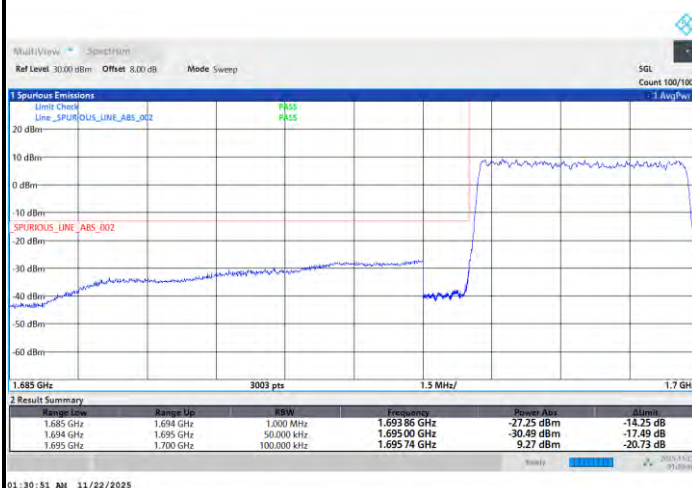
### Lowest Band Edge / 1RB0



### Highest Band Edge / 1RBmax



### Lowest Band Edge / Full RB



### Highest Band Edge / Full RB

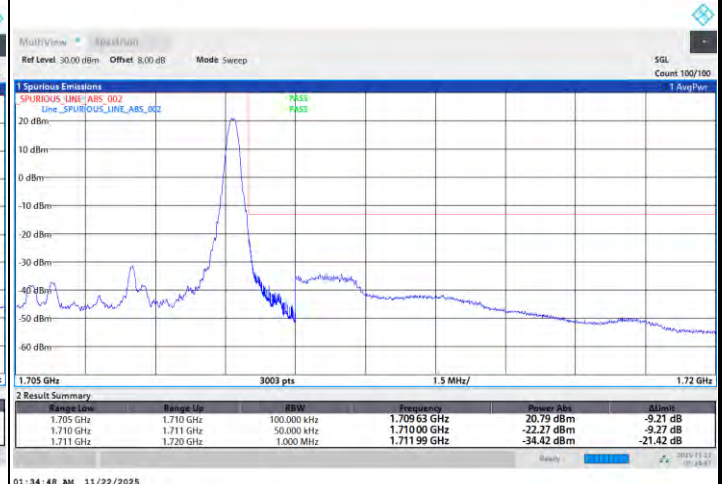
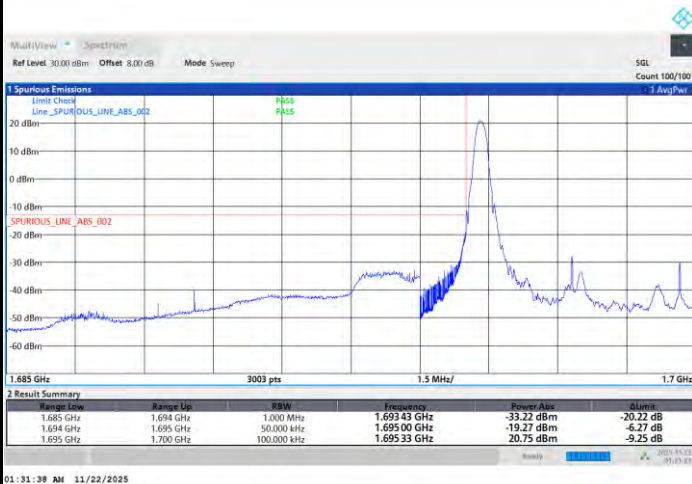




## FR1 n70 / 5MHz / DFT-S OFDM / QPSK

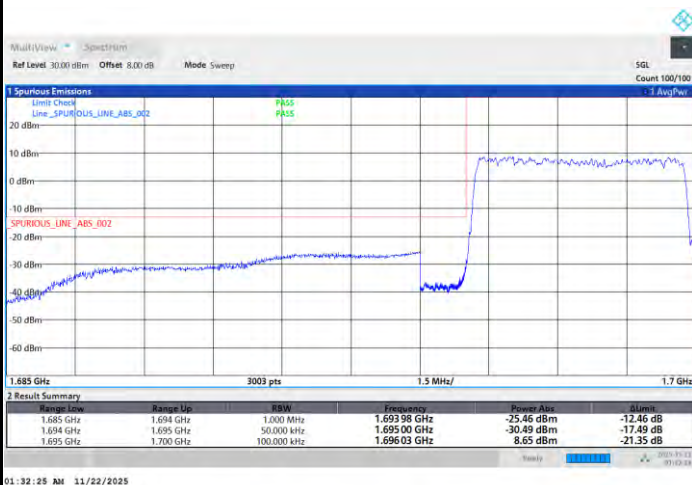
## Lowest Band Edge / 1RB0

## Highest Band Edge / 1RBmax



## Lowest Band Edge / Full RB

## Highest Band Edge / Full RB





## FR1 n70 / 10MHz / DFT-S OFDM / PI/2 BPSK

## Lowest Band Edge / Full RB



## Highest Band Edge / Full RB

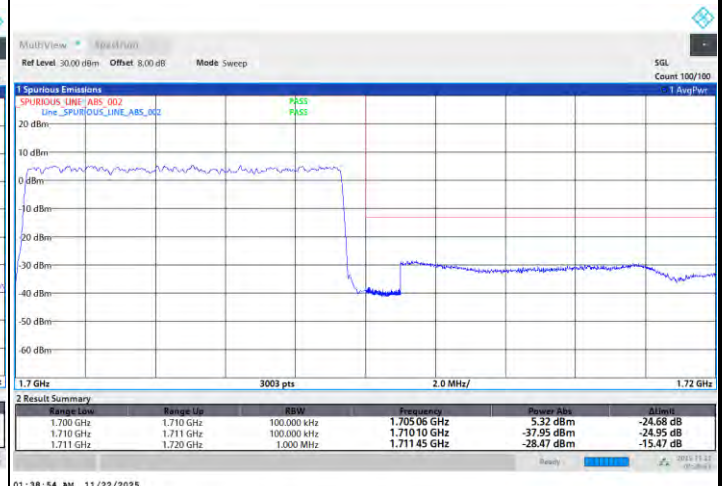


## FR1 n70 / 10MHz / DFT-S OFDM / QPSK

## Lowest Band Edge / Full RB



## Highest Band Edge / Full RB





## FR1 n70 / 15MHz / DFT-S OFDM / PI/2 BPSK

## Lowest Band Edge / Full RB

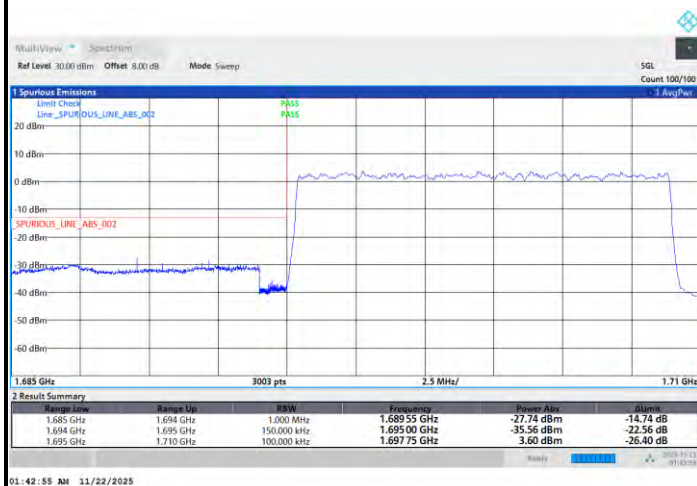


## Highest Band Edge / Full RB



## FR1 n70 / 15MHz / DFT-S OFDM / QPSK

## Lowest Band Edge / Full RB



## Highest Band Edge / Full RB

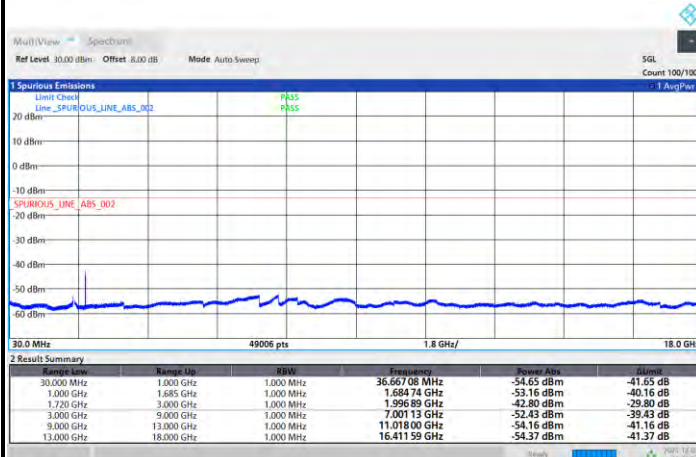




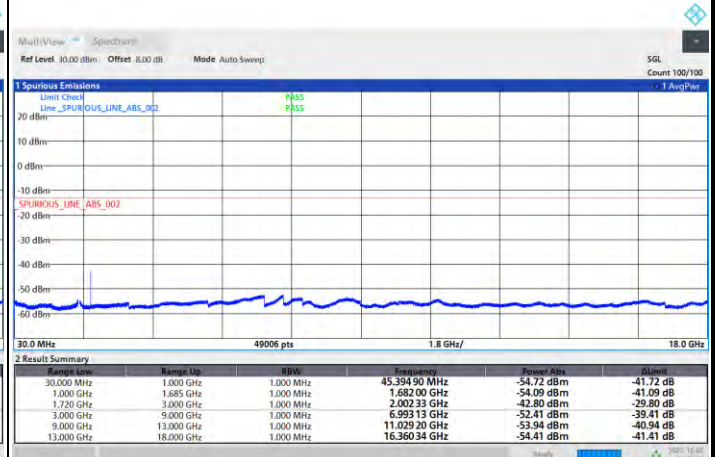
# Conducted Spurious Emission

FR1 n70 / 5MHz / DFT-S OFDM / QPSK / 1RB1

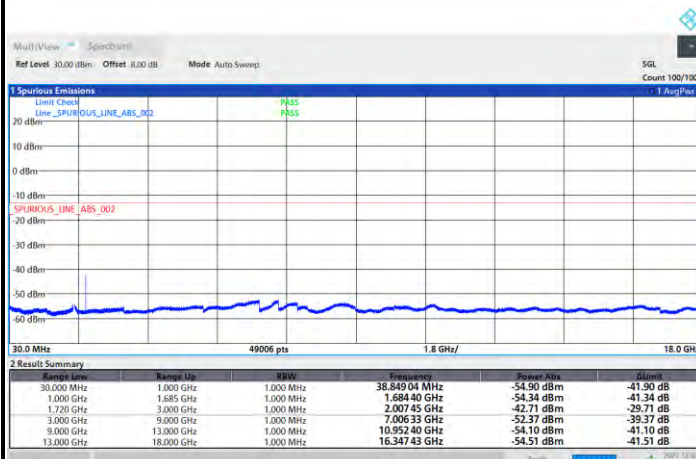
## Lowest Channel



## Middle Channel



## Highest Channel



## Frequency Stability

| Test Conditions     |                   | FR1 n70 (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    | 0.0013                              | -2.2                                    | Yes                                         | PASS   |
| 40                  | Normal Voltage    | 0.0051                              | -8.7                                    | Yes                                         |        |
| 30                  | Normal Voltage    | 0.0041                              | -7                                      | Yes                                         |        |
| 20(Ref.)            | Normal Voltage    | 0.0000                              | 0                                       | Yes                                         |        |
| 10                  | Normal Voltage    | 0.0069                              | -11.7                                   | Yes                                         |        |
| 0                   | Normal Voltage    | 0.0030                              | 5.1                                     | Yes                                         |        |
| -10                 | Normal Voltage    | 0.0079                              | -13.4                                   | Yes                                         |        |
| -20                 | Normal Voltage    | 0.0005                              | 0.9                                     | Yes                                         |        |
| -30                 | Normal Voltage    | 0.0041                              | -6.9                                    | Yes                                         |        |
| 20                  | Maximum Voltage   | 0.0001                              | 0.2                                     | Yes                                         |        |
| 20                  | Normal Voltage    | 0.0080                              | -13.7                                   | Yes                                         |        |
| 20                  | Minimum Voltage   | 0.0015                              | 2.6                                     | Yes                                         |        |

**Note:**

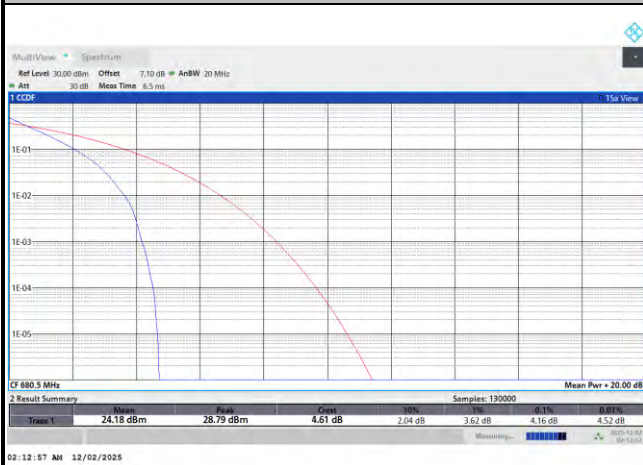
1. Normal Voltage = 3.9 V. ; Minimum Voltage = 3.6 V. ; Maximum Voltage = 4.4 V.
2. The frequency fundamental emissions stay within the authorized frequency block.
3. The frequency variation is sufficient to ensure that the occupied bandwidth of all operation channels stay within the operating frequency block or frequency block group.

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

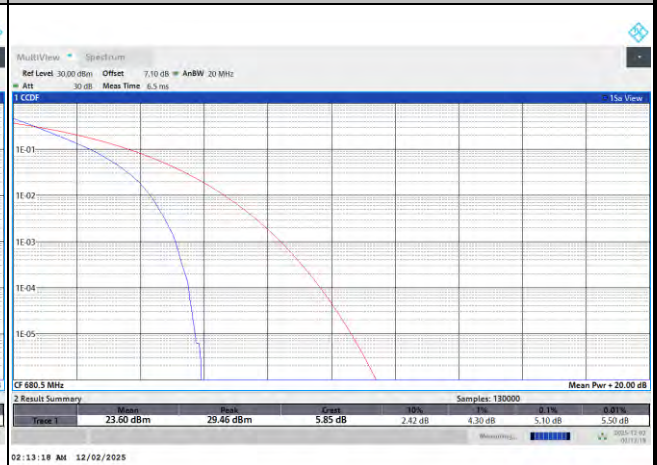
| Mode      | FR1 n71 / 20MHz / DFT-S OFDM |         |         |         |             |
|-----------|------------------------------|---------|---------|---------|-------------|
| Mod.      | PI/2 BPSK                    | QPSK    | 16QAM   | 64QAM   | Limit: 13dB |
| RB Size   | Full RB                      | Full RB | Full RB | Full RB | Result      |
| Middle CH | 4.16                         | 5.10    | 5.86    | 6.10    | <b>PASS</b> |
| Mode      | FR1 n71 / 20MHz / DFT-S OFDM |         |         |         |             |
| Mod.      | 256QAM                       |         |         |         | Limit: 13dB |
| RB Size   | Full RB                      |         |         |         | Result      |
| Middle CH | 6.68                         |         |         |         | <b>PASS</b> |

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

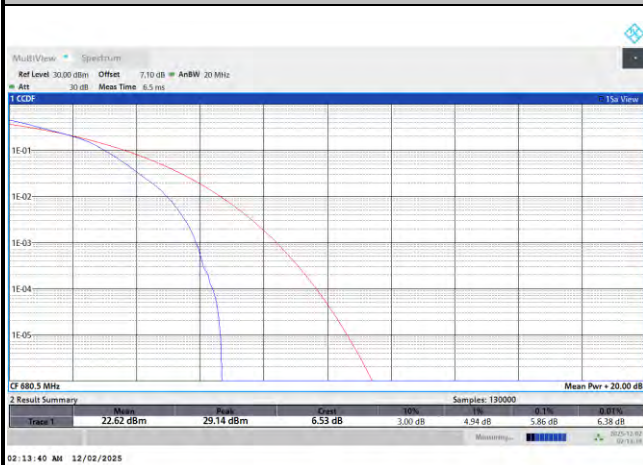
## PI/2 BPSK



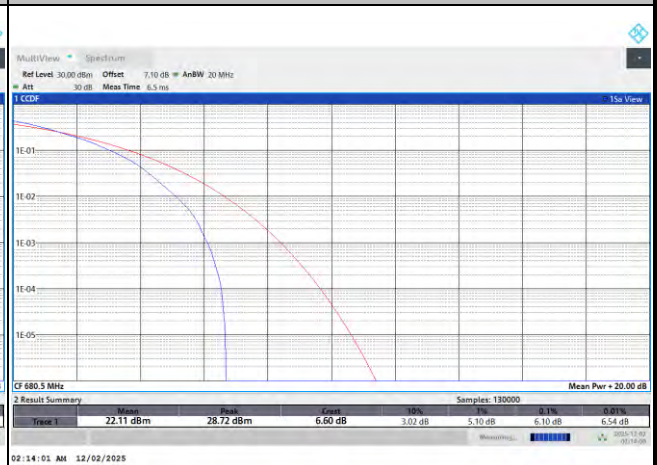
## QPSK



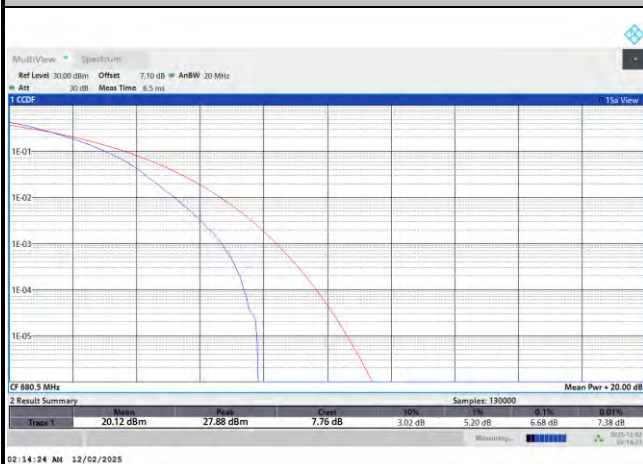
## 16QAM



## 64QAM



## 256QAM

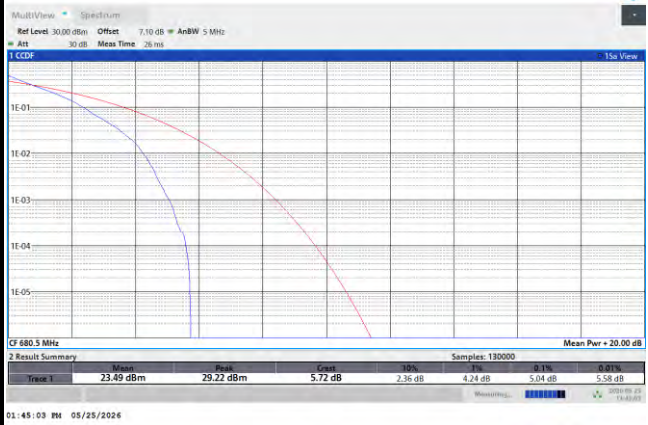




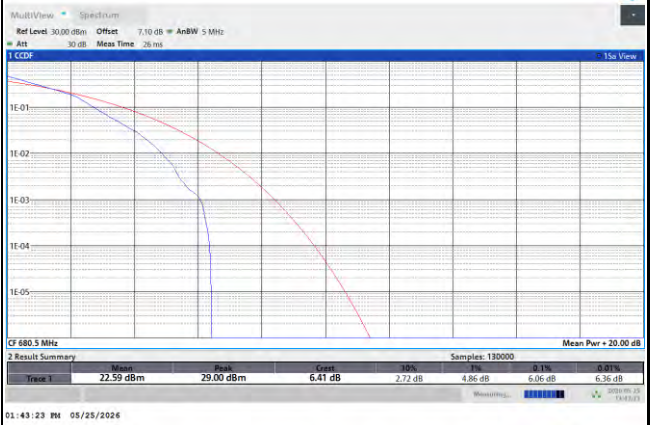
|                  |                                     |                |                    |
|------------------|-------------------------------------|----------------|--------------------|
| <b>Mode</b>      | <b>FR1 n71 / 5MHz / DFT-S OFDM</b>  |                |                    |
| <b>Mod.</b>      | <b>QPSK</b>                         | <b>16QAM</b>   | <b>Limit: 13dB</b> |
| <b>RB Size</b>   | <b>Full RB</b>                      | <b>Full RB</b> | <b>Result</b>      |
| <b>Middle CH</b> | 5.04                                | 6.06           | <b>PASS</b>        |
| <b>Mode</b>      | <b>FR1 n71 / 10MHz / DFT-S OFDM</b> |                |                    |
| <b>Mod.</b>      | <b>QPSK</b>                         | <b>16QAM</b>   | <b>Limit: 13dB</b> |
| <b>RB Size</b>   | <b>Full RB</b>                      | <b>Full RB</b> | <b>Result</b>      |
| <b>Middle CH</b> | 5.12                                | 5.90           | <b>PASS</b>        |
| <b>Mode</b>      | <b>FR1 n71 / 15MHz / DFT-S OFDM</b> |                |                    |
| <b>Mod.</b>      | <b>QPSK</b>                         | <b>16QAM</b>   | <b>Limit: 13dB</b> |
| <b>RB Size</b>   | <b>Full RB</b>                      | <b>Full RB</b> | <b>Result</b>      |
| <b>Middle CH</b> | 5.58                                | 6.52           | <b>PASS</b>        |
| <b>Mode</b>      | <b>FR1 n71 / 25MHz / DFT-S OFDM</b> |                |                    |
| <b>Mod.</b>      | <b>QPSK</b>                         | <b>16QAM</b>   | <b>Limit: 13dB</b> |
| <b>RB Size</b>   | <b>Full RB</b>                      | <b>Full RB</b> | <b>Result</b>      |
| <b>Middle CH</b> | 5.08                                | 5.50           | <b>PASS</b>        |
| <b>Mode</b>      | <b>FR1 n71 / 30MHz / DFT-S OFDM</b> |                |                    |
| <b>Mod.</b>      | <b>QPSK</b>                         | <b>16QAM</b>   | <b>Limit: 13dB</b> |
| <b>RB Size</b>   | <b>Full RB</b>                      | <b>Full RB</b> | <b>Result</b>      |
| <b>Middle CH</b> | 5.20                                | 5.84           | <b>PASS</b>        |
| <b>Mode</b>      | <b>FR1 n71 / 35MHz / DFT-S OFDM</b> |                |                    |
| <b>Mod.</b>      | <b>QPSK</b>                         | <b>16QAM</b>   | <b>Limit: 13dB</b> |
| <b>RB Size</b>   | <b>Full RB</b>                      | <b>Full RB</b> | <b>Result</b>      |
| <b>Middle CH</b> | 5.08                                | 5.88           | <b>PASS</b>        |

## FR1 n71 / 5MHz / DFTs OFDM / Middle Channel / Full RB

### QPSK

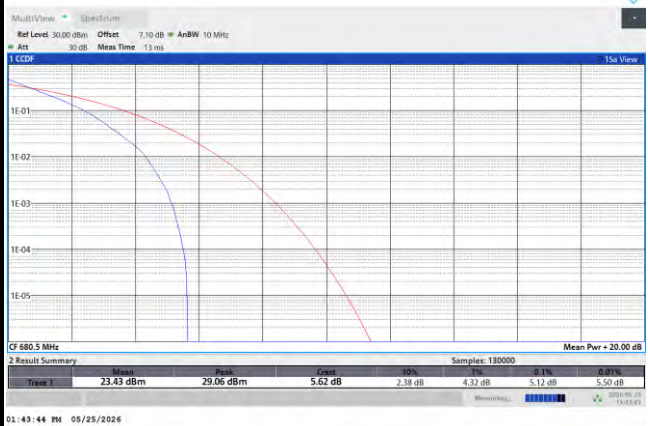


### 16QAM

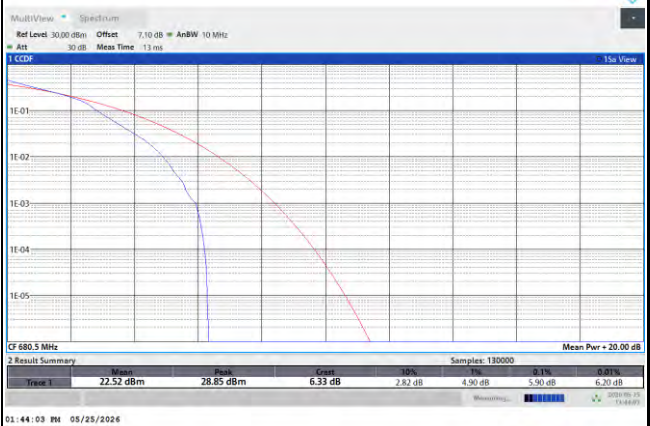


## FR1 n71 / 10MHz / DFTs OFDM / Middle Channel / Full RB

### QPSK

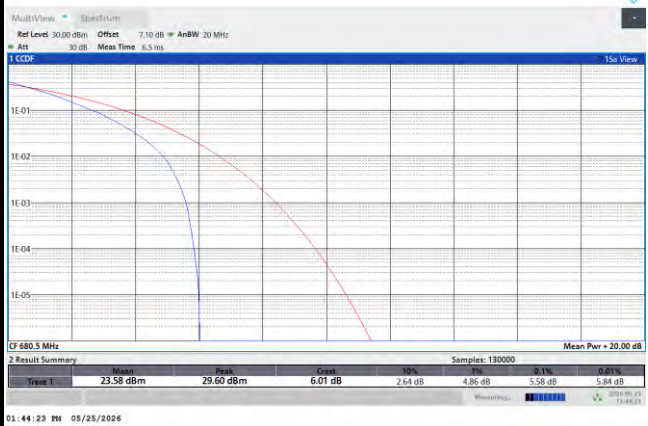


### 16QAM

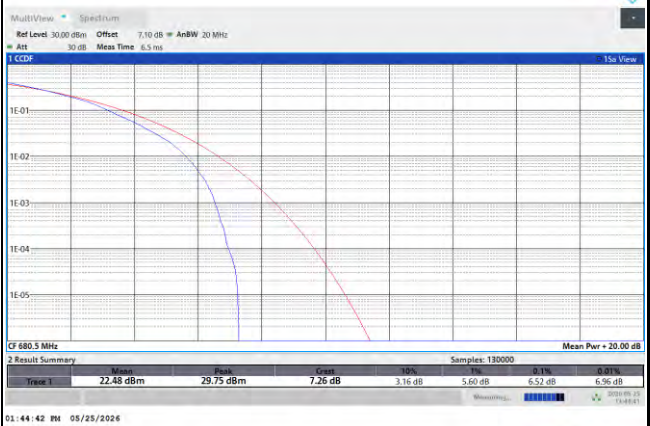


## FR1 n71 / 15MHz / DFTs OFDM / Middle Channel / Full RB

### QPSK



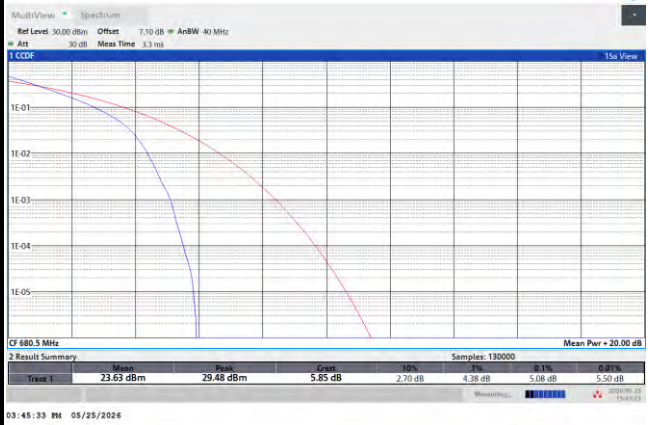
### 16QAM



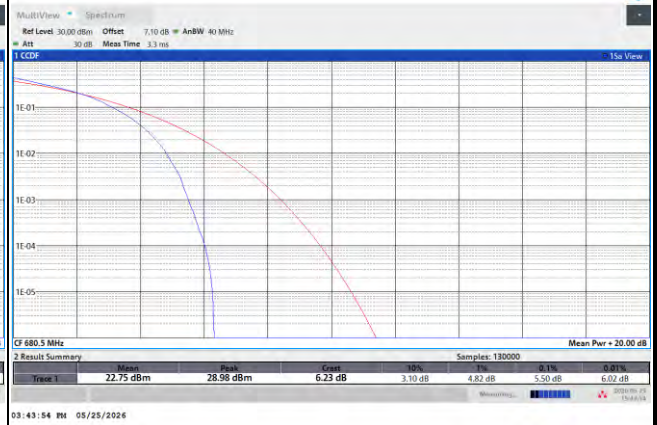


## FR1 n71 / 25MHz / DFTs OFDM / Middle Channel / Full RB

## QPSK

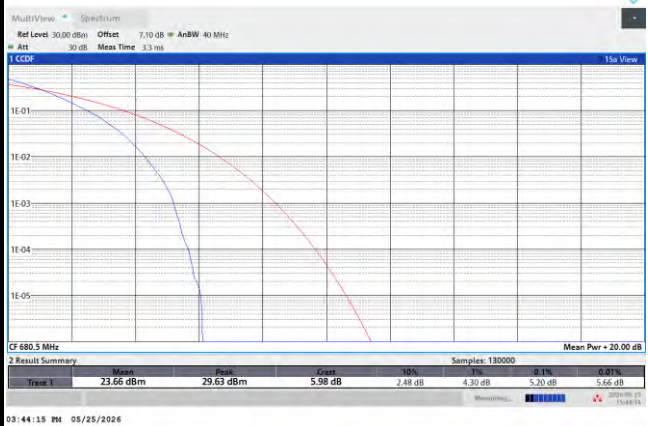


## 16QAM

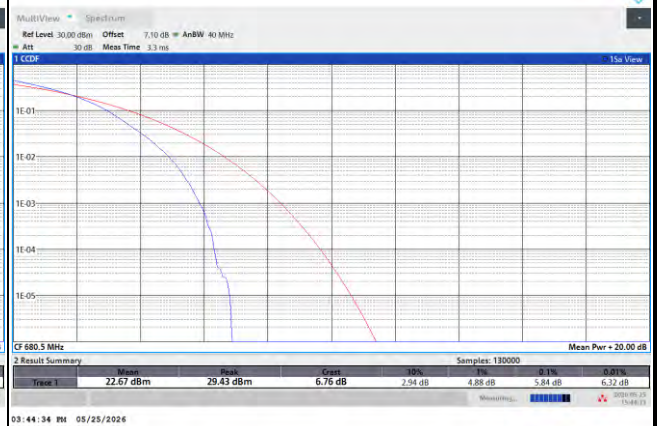


## FR1 n71 / 30MHz / DFTs OFDM / Middle Channel / Full RB

## QPSK

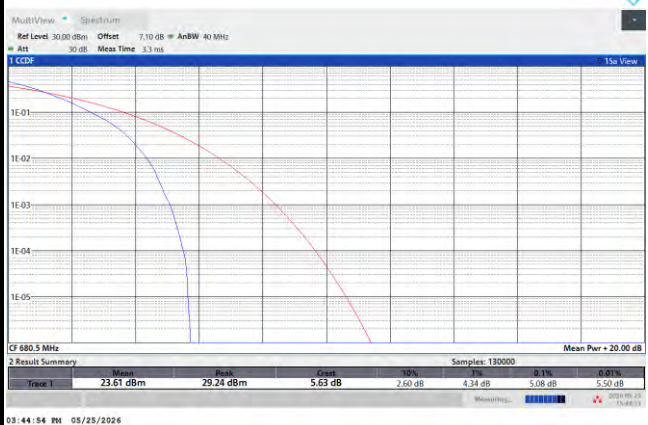


## 16QAM

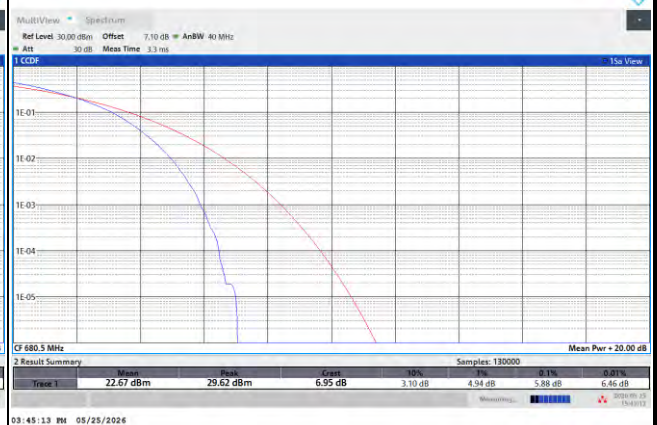


## FR1 n71 / 35MHz / DFTs OFDM / Middle Channel / Full RB

## QPSK



## 16QAM



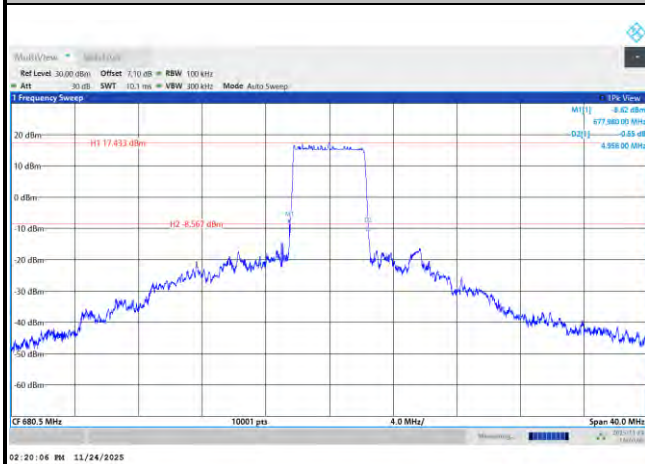
**26dB Bandwidth**

| 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 | 4.95                                | 4.88  | 9.63      | 9.65  | 14.28     | 14.34 | 19.19     | 19.20 |
| Mod.      | 16QAM                               |       | 16QAM     |       | 16QAM     |       | 16QAM     |       |
| Middle CH | 4.97                                |       | 9.56      |       | 14.26     |       | 19.22     |       |
| BW        | 25MHz                               |       | 30MHz     |       | 35MHz     |       |           |       |
| Mod.      | PI/2 BPSK                           | QPSK  | PI/2 BPSK | QPSK  | PI/2 BPSK | QPSK  |           |       |
| Middle CH | 24.45                               | 24.53 | 32.55     | 31.50 | 45.42     | 35.20 |           |       |
| Mod.      | 16QAM                               |       | 16QAM     |       | 16QAM     |       |           |       |
| Middle CH | 24.23                               |       | 33.28     |       | 43.39     |       |           |       |

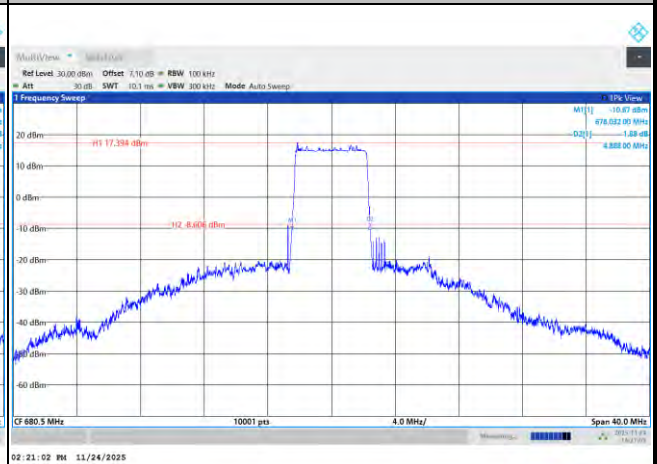


FR1 n71 / 5MHz / DFT-S OFDM / Middle Channel / Full RB

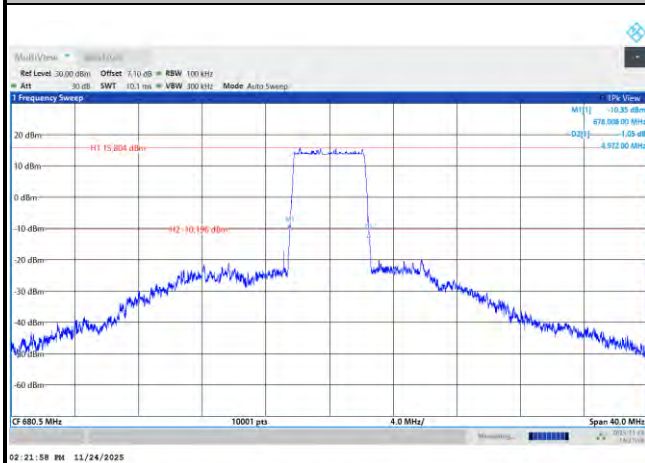
PI/2 BPSK



QPSK



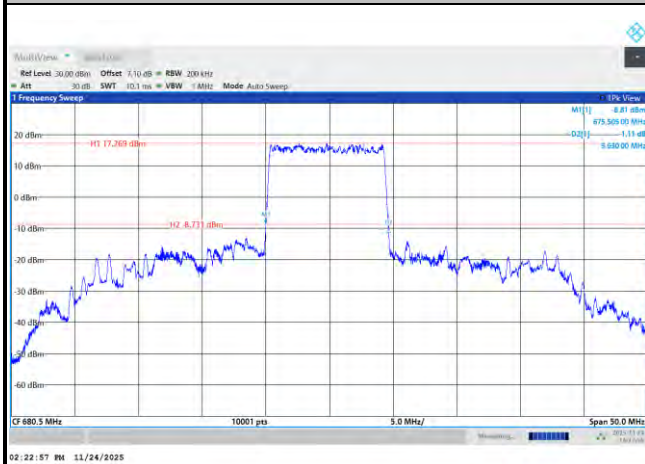
16QAM



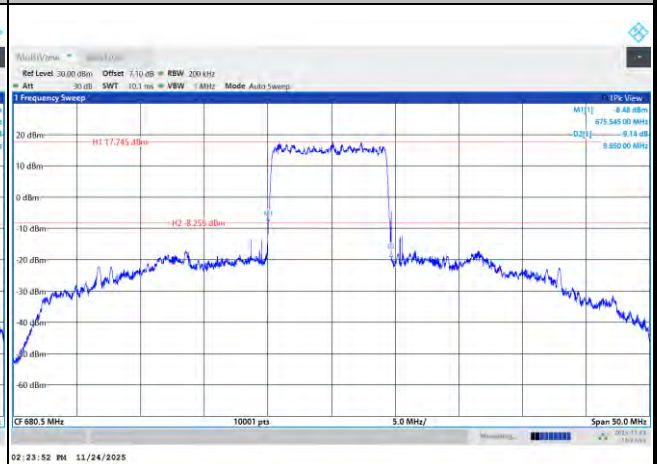


FR1 n71 / 10MHz / DFT-S OFDM / Middle Channel / Full RB

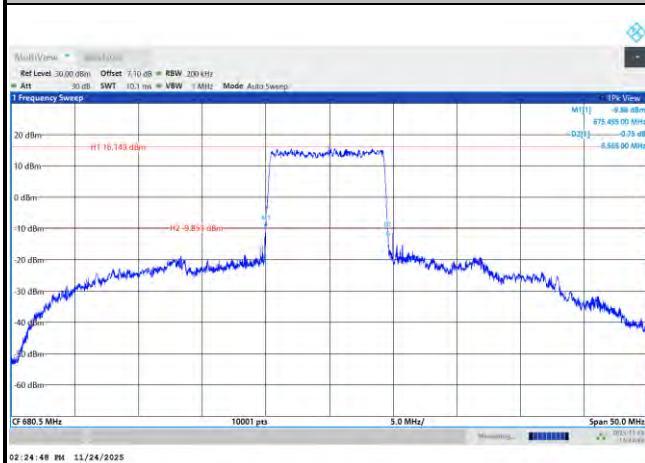
PI/2 BPSK



QPSK



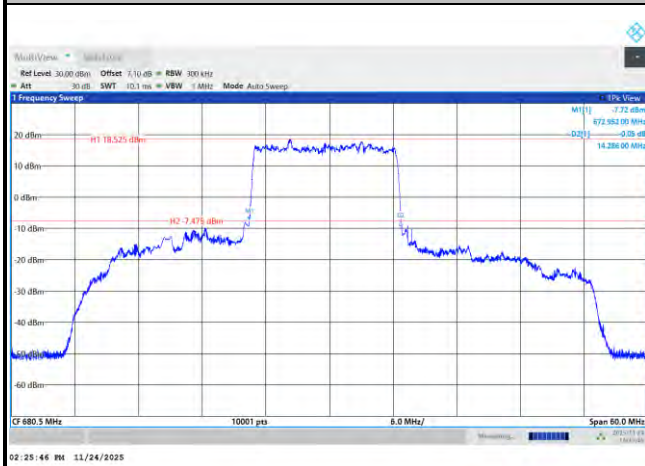
16QAM



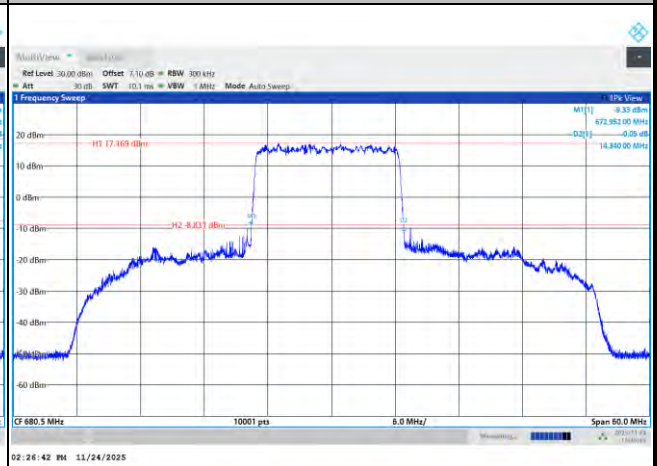


FR1 n71 / 15MHz / DFT-S OFDM / Middle Channel / Full RB

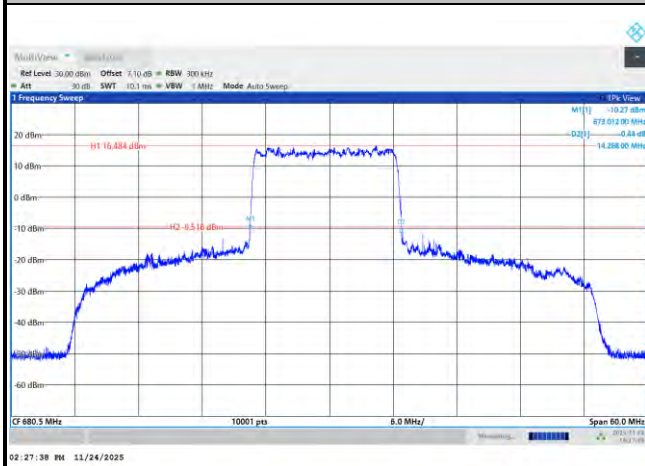
PI/2 BPSK



QPSK



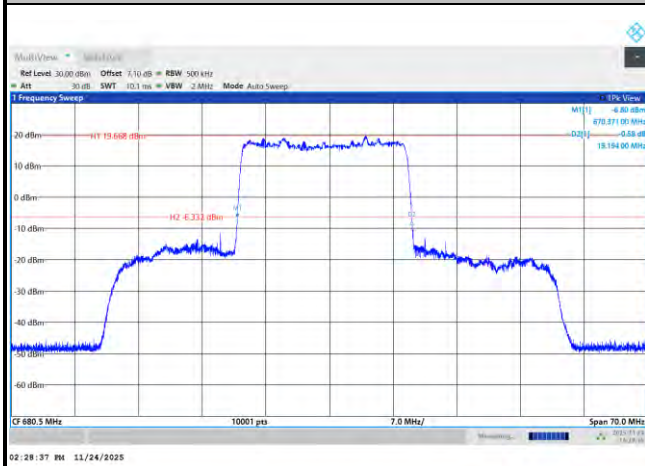
16QAM



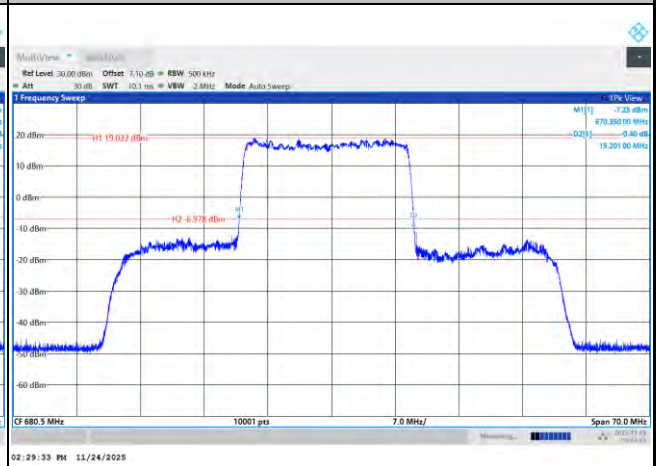


FR1 n71 / 20MHz / DFT-S OFDM / Middle Channel / Full RB

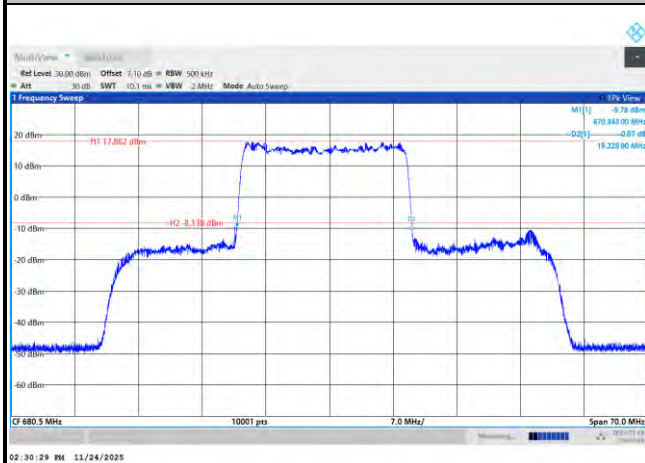
PI/2 BPSK



QPSK



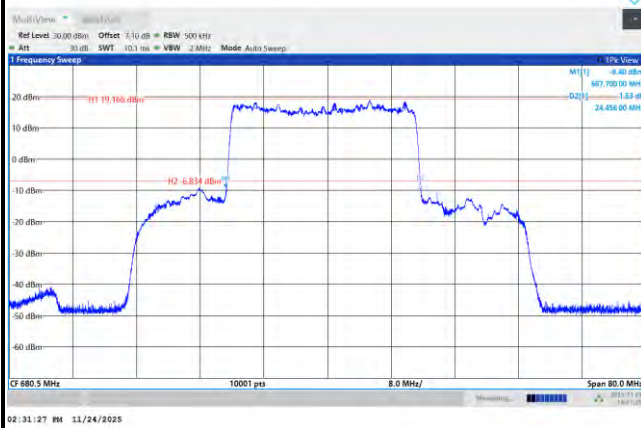
16QAM



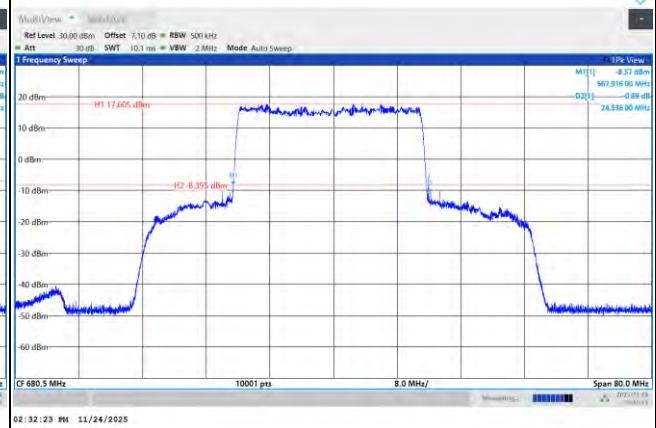


**Report No. : FG5N0815-01C**

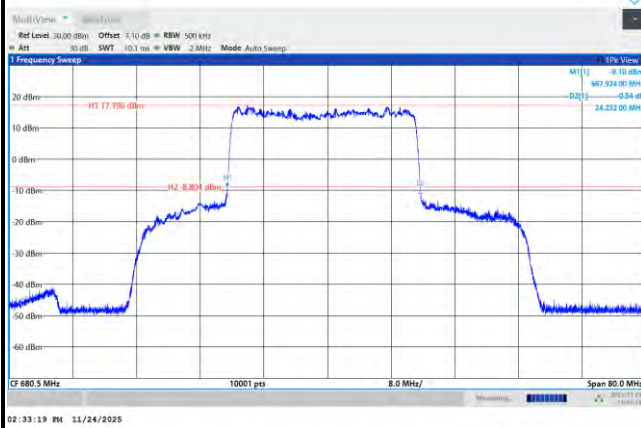
## FR1 n71 / 25MHz / DFT-S OFDM / Middle Channel / Full RB

**PI/2 BPSK**

## QPSK



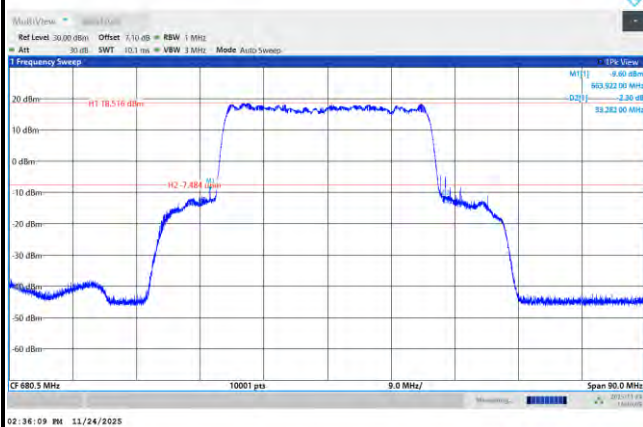
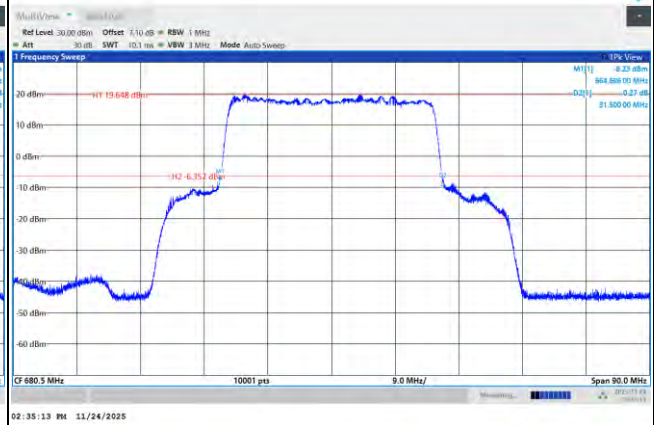
## 16QAM





FR1 n71 / 30MHz / DFT-S OFDM / Middle Channel / Full RB

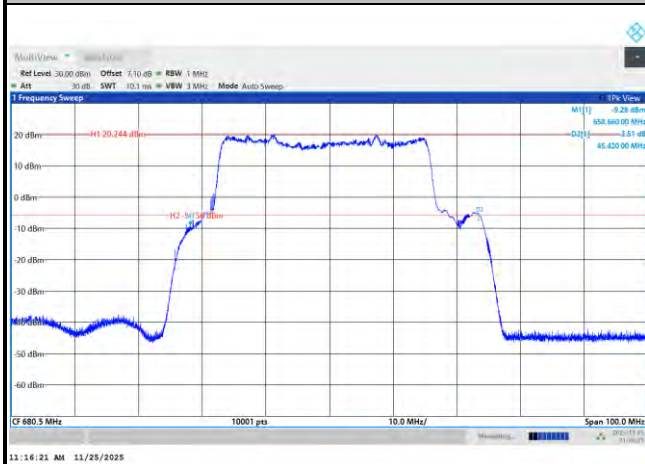
## QPSK



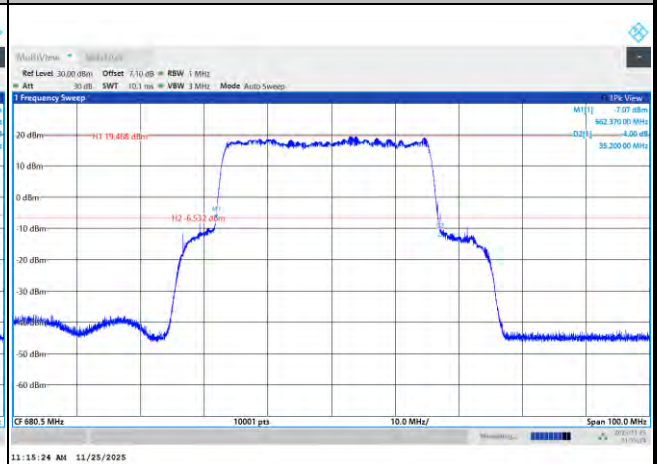


FR1 n71 / 35MHz / DFT-S OFDM / Middle Channel / Full RB

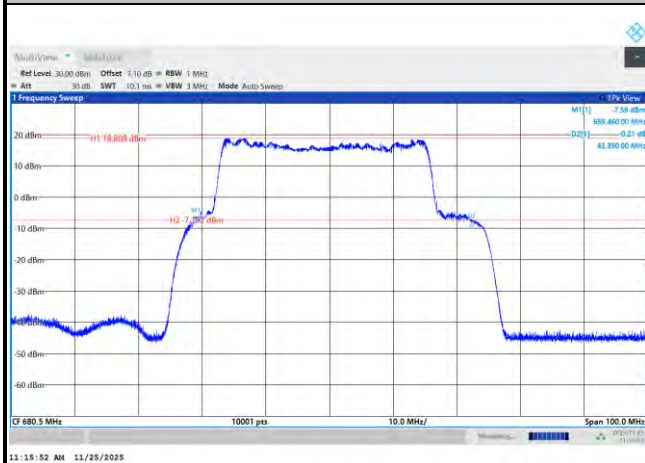
PI/2 BPSK



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 | 4.48                               | 4.50  | 9.01      | 8.96  | 13.49     | 13.45 | 18.09     | 18.05 |
| Mod.      | 16QAM                              |       | 16QAM     |       | 16QAM     |       | 16QAM     |       |
| Middle CH | 4.49                               |       | 8.95      |       | 13.46     |       | 18.03     |       |
| BW        | 25MHz                              |       | 30MHz     |       | 35MHz     |       |           |       |
| Mod.      | PI/2 BPSK                          | QPSK  | PI/2 BPSK | QPSK  | PI/2 BPSK | QPSK  |           |       |
| Middle CH | 23.07                              | 23.00 | 29.08     | 29.02 | 32.81     | 32.43 |           |       |
| Mod.      | 16QAM                              |       | 16QAM     |       | 16QAM     |       |           |       |
| Middle CH | 23.01                              |       | 28.93     |       | 32.73     |       |           |       |

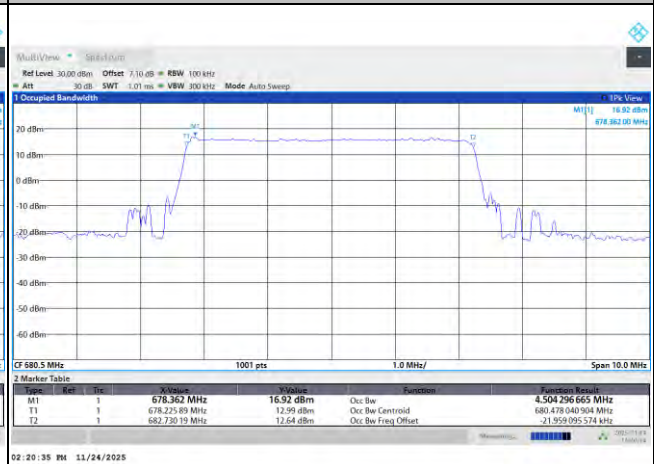


## FR1 n71 / 5MHz / DFT-S OFDM / Middle Channel / Full RB

## PI/2 BPSK



## QPSK



## 16QAM



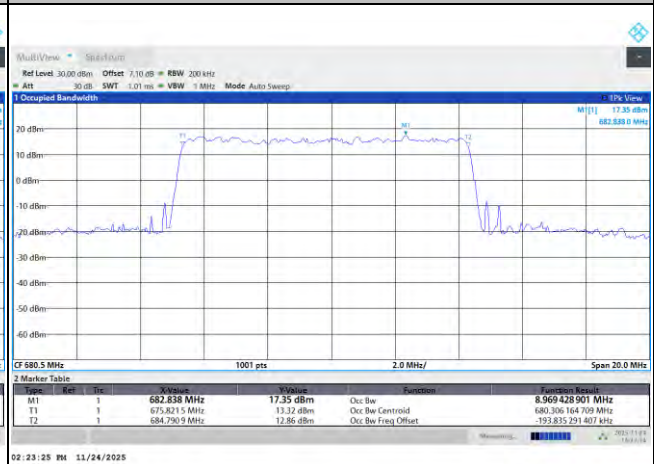


## FR1 n71 / 10MHz / DFT-S OFDM / Middle Channel / Full RB

## PI/2 BPSK



## QPSK



## 16QAM





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

## PI/2 BPSK



## QPSK



## 16QAM



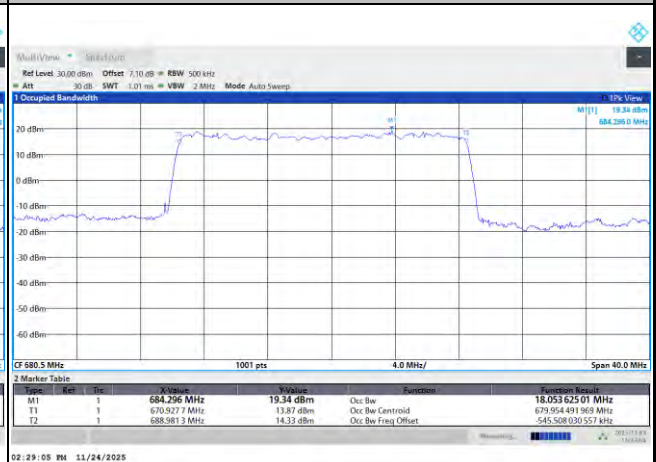


FR1 n71 / 20MHz / DFT-S OFDM / Middle Channel / Full RB

PI/2 BPSK



QPSK



16QAM



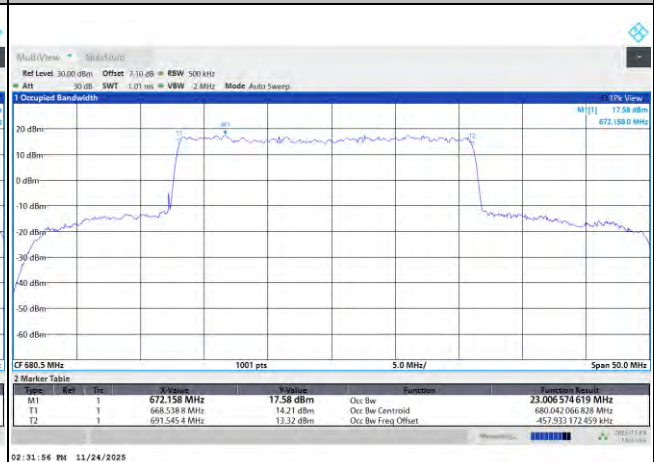


## FR1 n71 / 25MHz / DFT-S OFDM / Middle Channel / Full RB

## PI/2 BPSK



## QPSK



## 16QAM



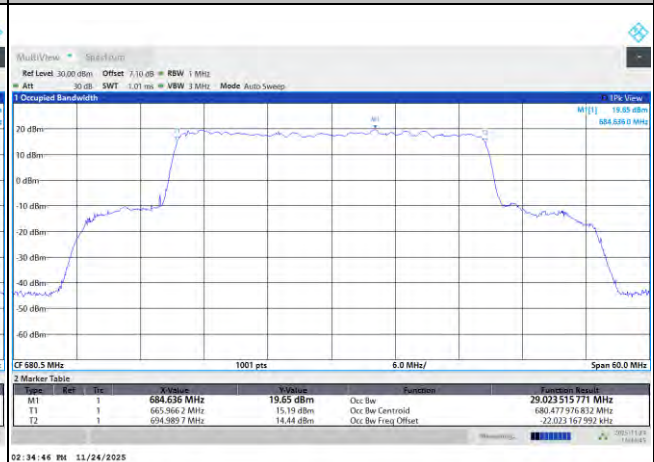


## FR1 n71 / 30MHz / DFT-S OFDM / Middle Channel / Full RB

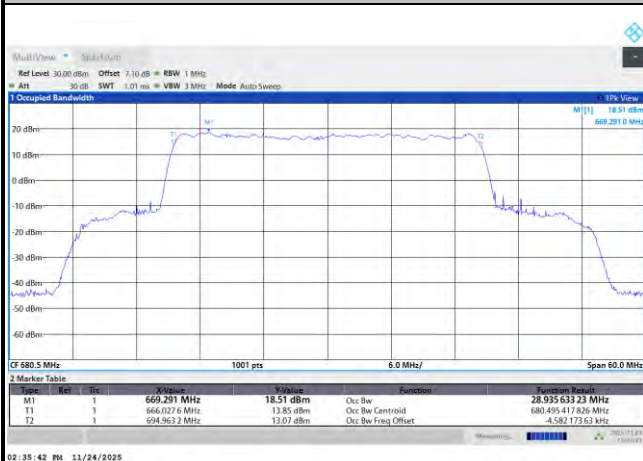
## PI/2 BPSK



## QPSK



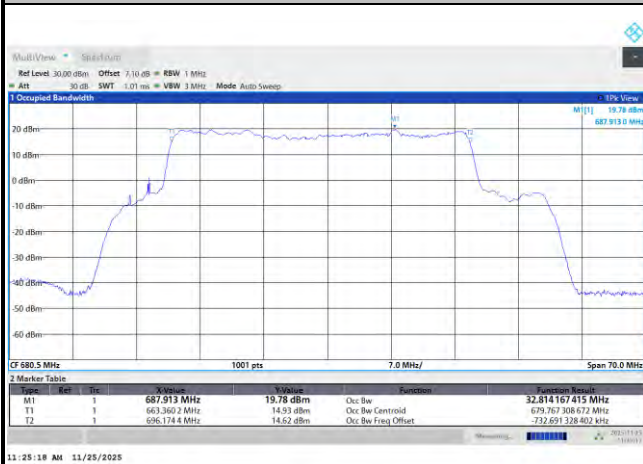
## 16QAM





## FR1 n71 / 35MHz / DFT-S OFDM / Middle Channel / Full RB

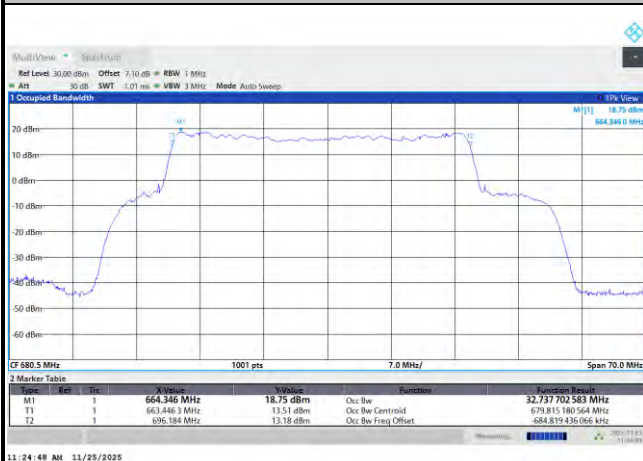
## PI/2 BPSK

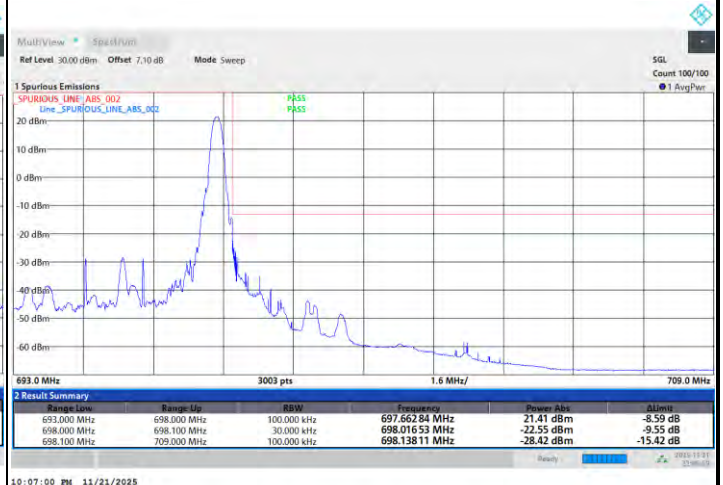
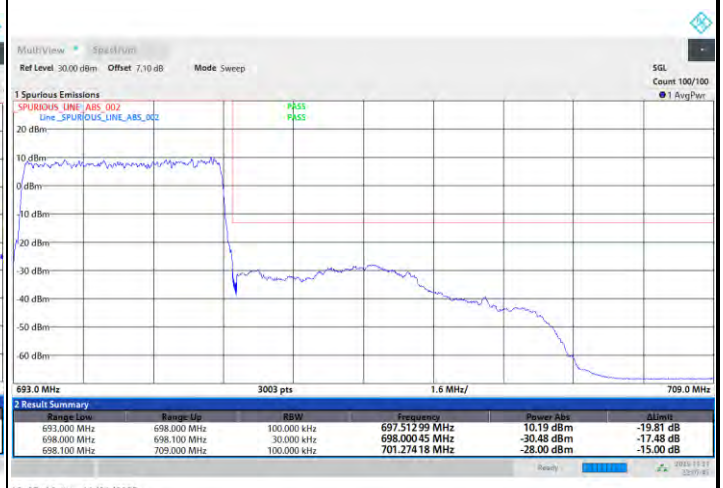
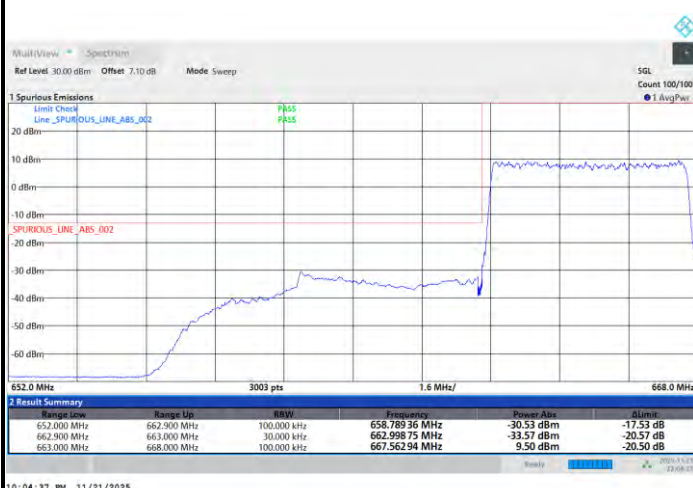


## QPSK



## 16QAM



**Conducted Band Edge****FR1 n71 / 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 n71 / 5MHz / DFT-S OFDM / QPSK

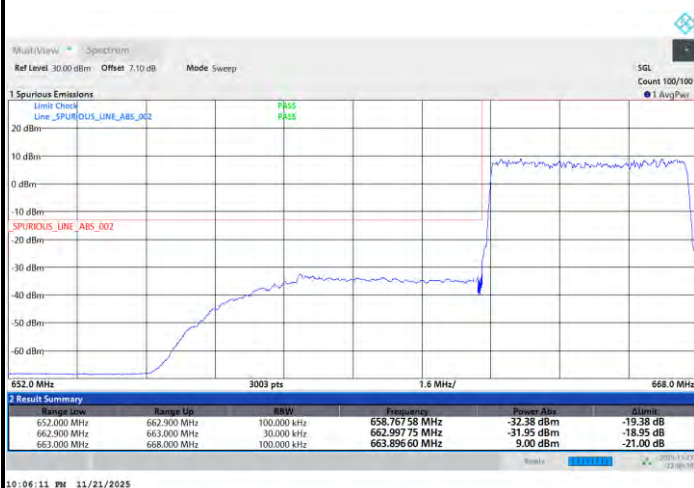
## Lowest Band Edge / 1RB0

## Highest Band Edge / 1RBmax



## Lowest Band Edge / Full RB

## Highest Band Edge / Full RB



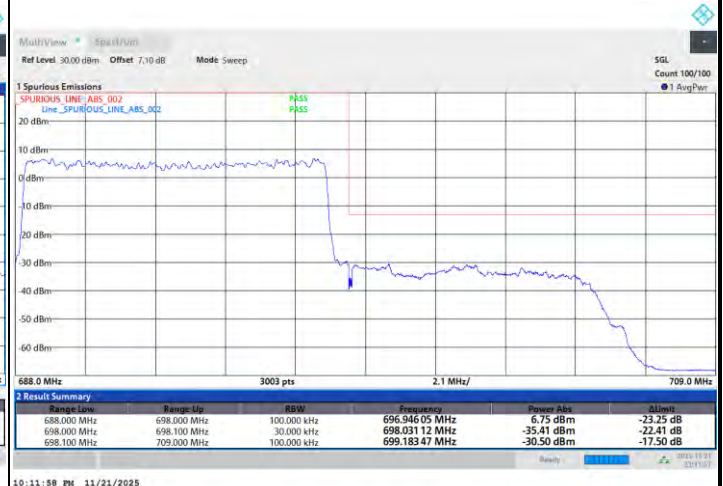


## FR1 n71 / 10MHz / DFT-S OFDM / PI/2 BPSK

## Lowest Band Edge / Full RB

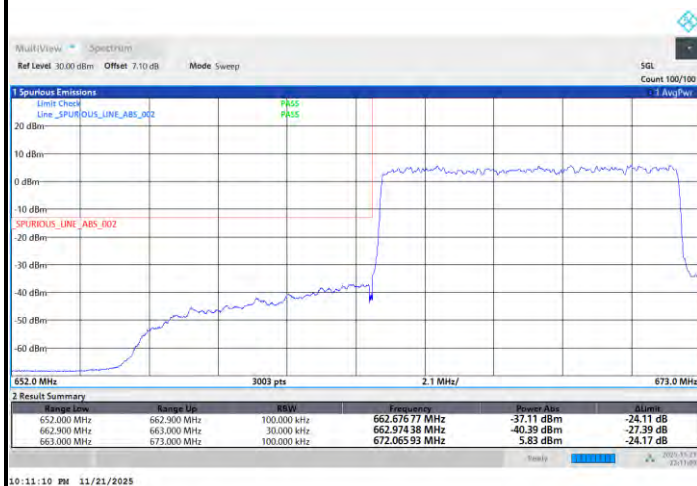


## Highest Band Edge / Full RB

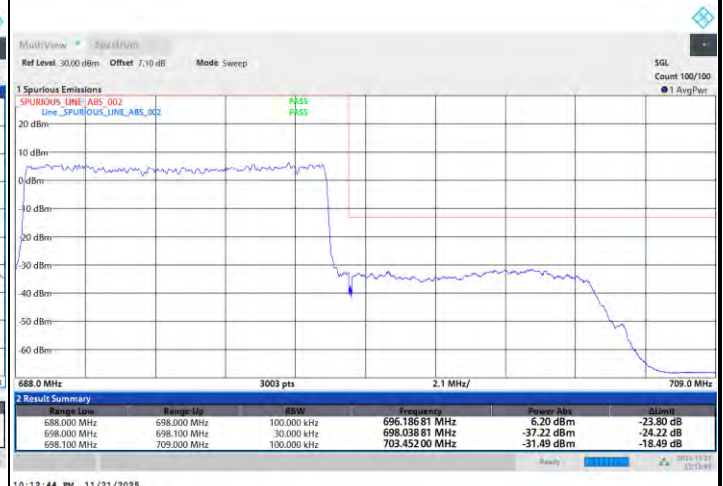


## FR1 n71 / 10MHz / DFT-S OFDM / QPSK

## Lowest Band Edge / Full RB



## Highest Band Edge / Full RB





## FR1 n71 / 15MHz / DFT-S OFDM / PI/2 BPSK

## Lowest Band Edge / Full RB



10:23:08 PM 11/21/2025

## Highest Band Edge / Full RB



10:26:46 PM 11/21/2025

## FR1 n71 / 15MHz / DFT-S OFDM / QPSK

## Lowest Band Edge / Full RB



10:23:54 PM 11/21/2025

## Highest Band Edge / Full RB

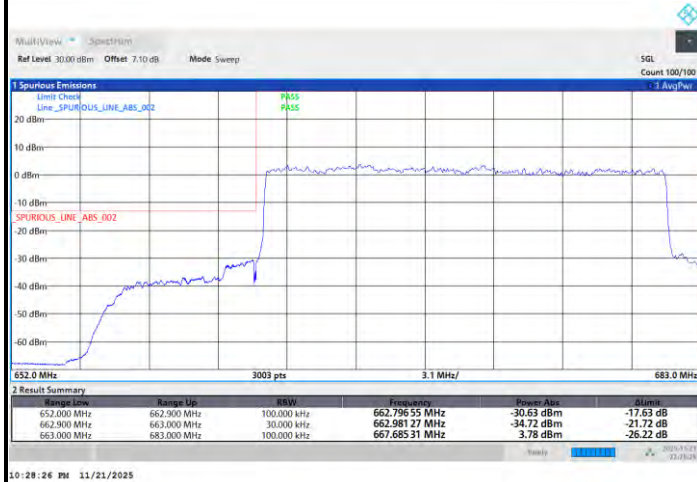


10:27:33 PM 11/21/2025



## FR1 n71 / 20MHz / DFT-S OFDM / PI/2 BPSK

## Lowest Band Edge / Full RB

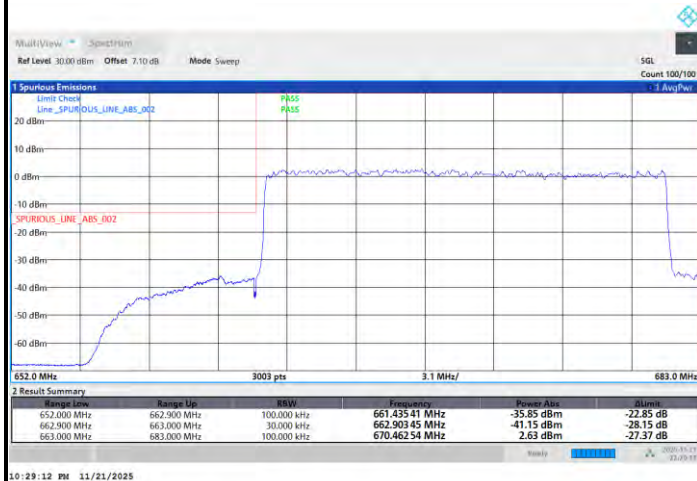


## Highest Band Edge / Full RB



## FR1 n71 / 20MHz / DFT-S OFDM / QPSK

## Lowest Band Edge / Full RB



## Highest Band Edge / Full RB



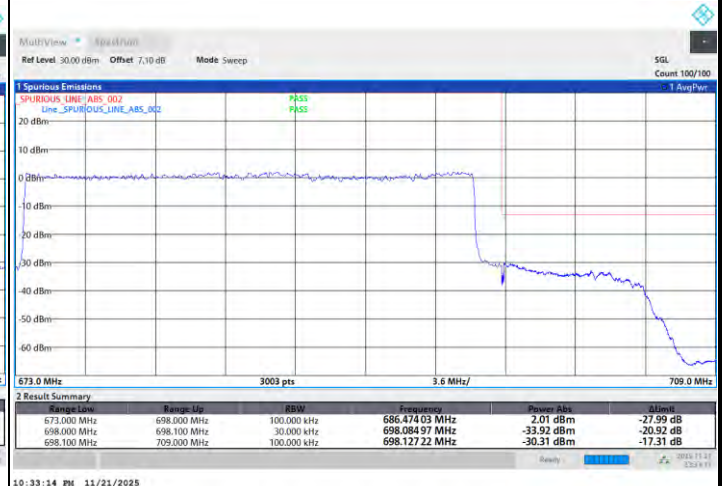


## FR1 n71 / 25MHz / DFT-S OFDM / PI/2 BPSK

## Lowest Band Edge / Full RB

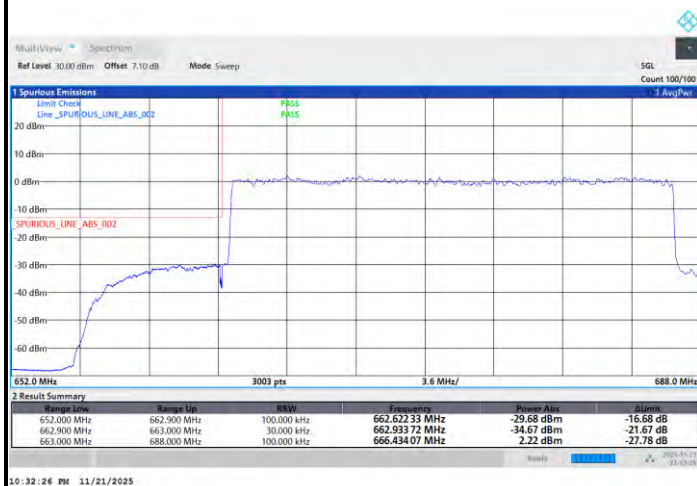


## Highest Band Edge / Full RB



## FR1 n71 / 25MHz / DFT-S OFDM / QPSK

## Lowest Band Edge / Full RB



## Highest Band Edge / Full RB



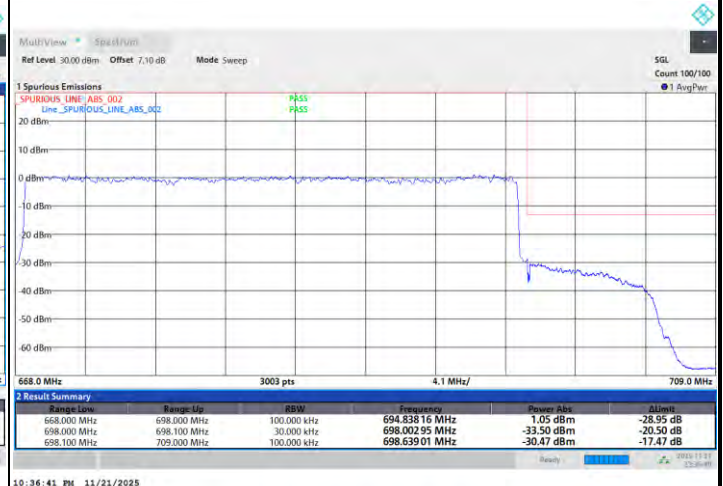


## FR1 n71 / 30MHz / DFT-S OFDM / PI/2 BPSK

## Lowest Band Edge / Full RB

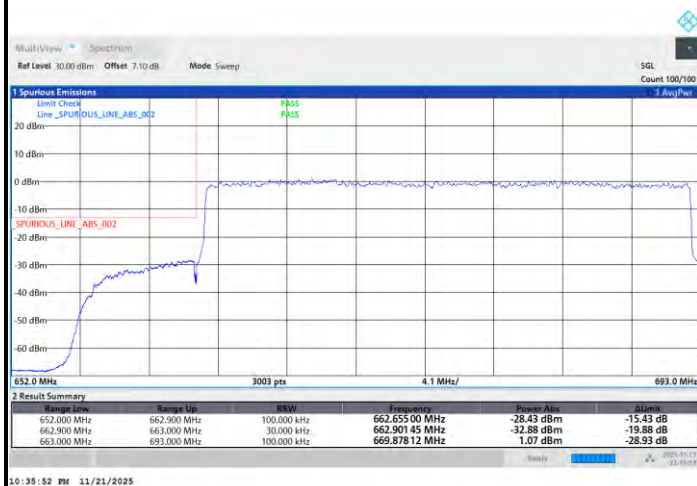


## Highest Band Edge / Full RB

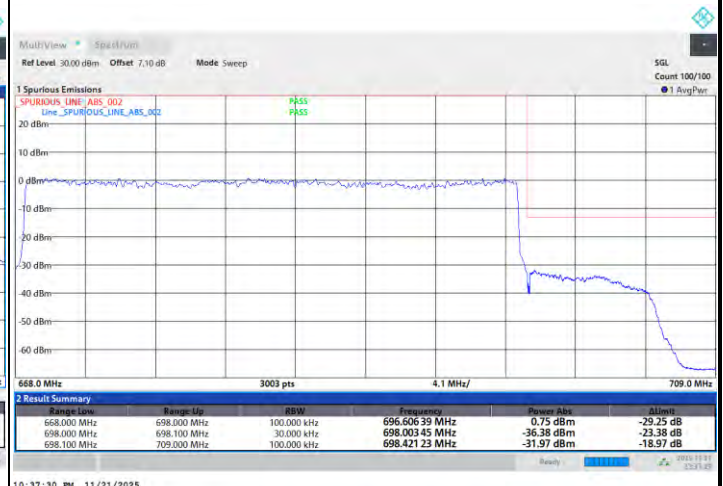


## FR1 n71 / 30MHz / DFT-S OFDM / QPSK

## Lowest Band Edge / Full RB



## Highest Band Edge / Full RB

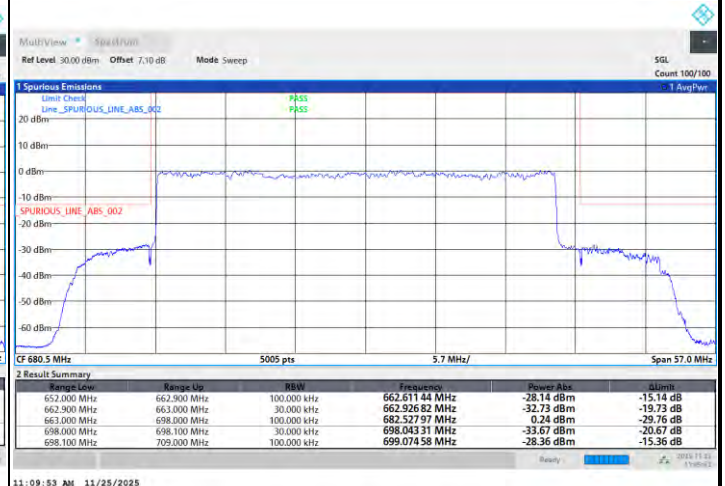
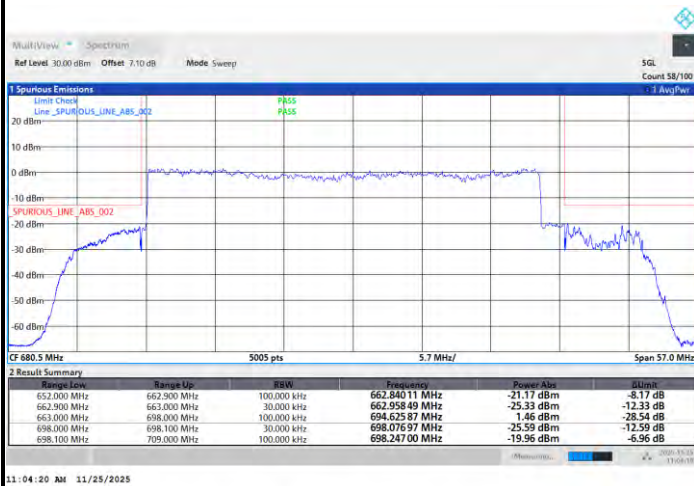




## FR1 n71 / 35MHz / DFT-S OFDM

## Middle Band Edge / Full RB / PI/2 BPSK

## Middle Band Edge / Full RB / QPSK

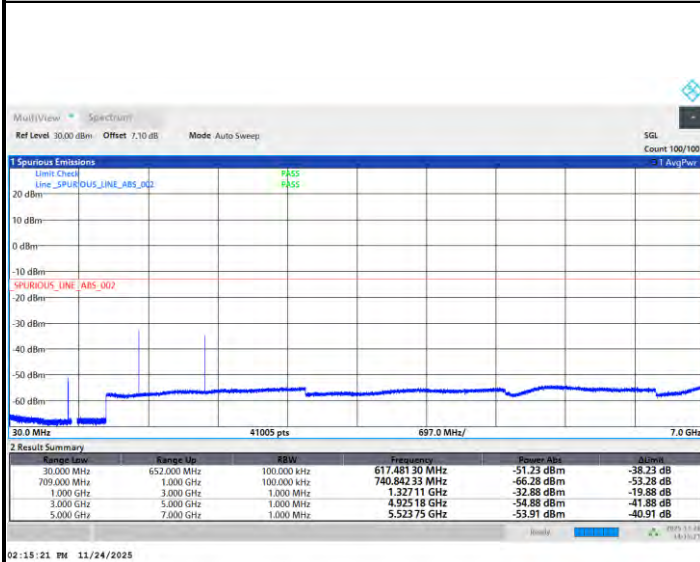




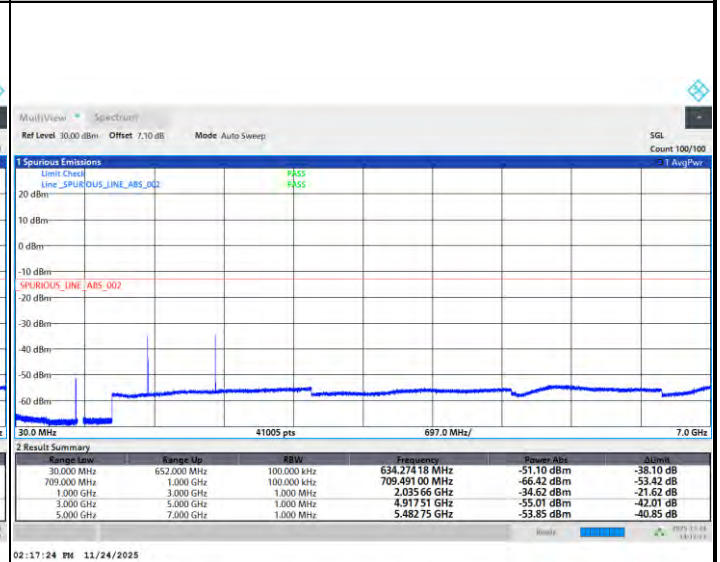
# Conducted Spurious Emission

FR1 n71 / 5MHz / DFT-S OFDM / QPSK / 1RB1

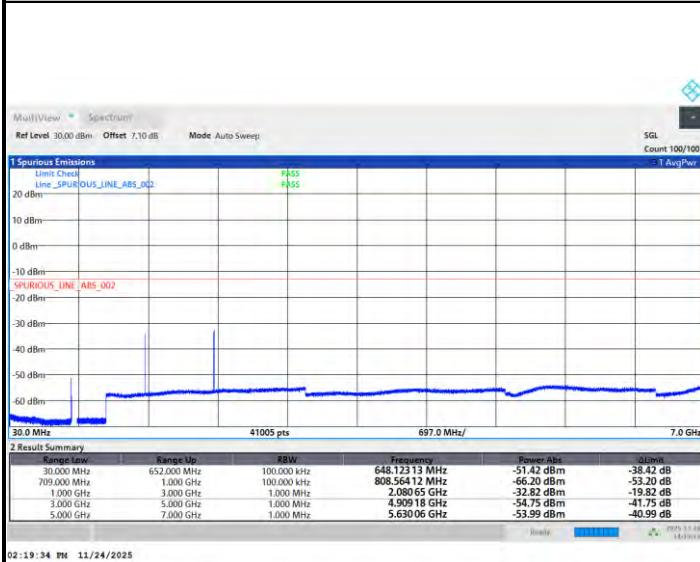
## Lowest Channel



## Middle Channel



## Highest Channel



## Frequency Stability

| Test Conditions     |                   | FR1 n71 (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    | 0.0009                              | -0.6                                    | Yes                                         | PASS   |
| 40                  | Normal Voltage    | 0.0037                              | -2.5                                    | Yes                                         |        |
| 30                  | Normal Voltage    | 0.0097                              | 6.6                                     | Yes                                         |        |
| 20(Ref.)            | Normal Voltage    | 0.0000                              | 0                                       | Yes                                         |        |
| 10                  | Normal Voltage    | 0.0059                              | 4                                       | Yes                                         |        |
| 0                   | Normal Voltage    | 0.0032                              | -2.2                                    | Yes                                         |        |
| -10                 | Normal Voltage    | 0.0013                              | -0.9                                    | Yes                                         |        |
| -20                 | Normal Voltage    | 0.0025                              | -1.7                                    | Yes                                         |        |
| -30                 | Normal Voltage    | 0.0059                              | -4                                      | Yes                                         |        |
| 20                  | Maximum Voltage   | 0.0082                              | 5.6                                     | Yes                                         |        |
| 20                  | Normal Voltage    | 0.0103                              | -7                                      | Yes                                         |        |
| 20                  | Minimum Voltage   | 0.0022                              | -1.5                                    | Yes                                         |        |

**Note:**

1. Normal Voltage = 3.9 V. ; Minimum Voltage = 3.6 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 n77\_Part27O****<SISO Mode>****Peak-to-Average Ratio**

| Mode      | FR1 n77 / 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                         | 5.12    | 5.76    | 6.26    | <b>PASS</b> |
| Mode      | FR1 n77 / 20MHz / DFT-S OFDM |         |         |         |             |
| Mod.      | 256QAM                       |         |         |         | Limit: 13dB |
| RB Size   | Full RB                      |         |         |         | Result      |
| Middle CH | 6.38                         |         |         |         | <b>PASS</b> |

**FR1 n77 / 20MHz / DFT-S OFDM / Middle Channel / Full RB**
**PI/2 BPSK**

**QPSK**

**16QAM**

**64QAM**

**256QAM**

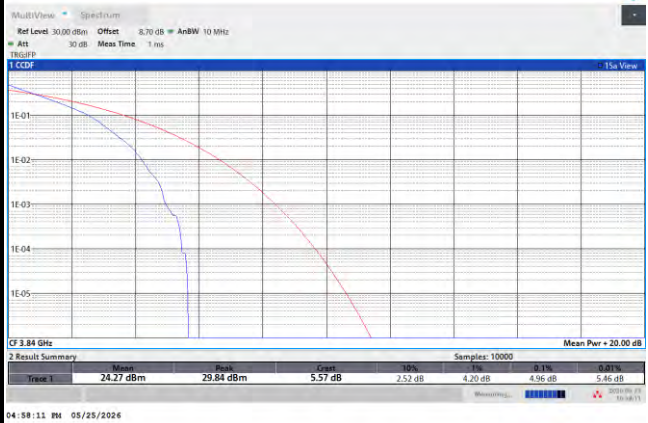

|                  |                                     |                |                    |
|------------------|-------------------------------------|----------------|--------------------|
| <b>Mode</b>      | <b>FR1 n77 / 10MHz / DFT-S OFDM</b> |                |                    |
| <b>Mod.</b>      | <b>QPSK</b>                         | <b>16QAM</b>   | <b>Limit: 13dB</b> |
| <b>RB Size</b>   | <b>Full RB</b>                      | <b>Full RB</b> | <b>Result</b>      |
| <b>Middle CH</b> | 4.96                                | 5.84           | <b>PASS</b>        |
| <b>Mode</b>      | <b>FR1 n77 / 15MHz / DFT-S OFDM</b> |                |                    |
| <b>Mod.</b>      | <b>QPSK</b>                         | <b>16QAM</b>   | <b>Limit: 13dB</b> |
| <b>RB Size</b>   | <b>Full RB</b>                      | <b>Full RB</b> | <b>Result</b>      |
| <b>Middle CH</b> | 5.20                                | 5.70           | <b>PASS</b>        |
| <b>Mode</b>      | <b>FR1 n77 / 25MHz / DFT-S OFDM</b> |                |                    |
| <b>Mod.</b>      | <b>QPSK</b>                         | <b>16QAM</b>   | <b>Limit: 13dB</b> |
| <b>RB Size</b>   | <b>Full RB</b>                      | <b>Full RB</b> | <b>Result</b>      |
| <b>Middle CH</b> | 4.94                                | 5.50           | <b>PASS</b>        |
| <b>Mode</b>      | <b>FR1 n77 / 30MHz / DFT-S OFDM</b> |                |                    |
| <b>Mod.</b>      | <b>QPSK</b>                         | <b>16QAM</b>   | <b>Limit: 13dB</b> |
| <b>RB Size</b>   | <b>Full RB</b>                      | <b>Full RB</b> | <b>Result</b>      |
| <b>Middle CH</b> | 4.96                                | 5.86           | <b>PASS</b>        |
| <b>Mode</b>      | <b>FR1 n77 / 40MHz / DFT-S OFDM</b> |                |                    |
| <b>Mod.</b>      | <b>QPSK</b>                         | <b>16QAM</b>   | <b>Limit: 13dB</b> |
| <b>RB Size</b>   | <b>Full RB</b>                      | <b>Full RB</b> | <b>Result</b>      |
| <b>Middle CH</b> | 4.92                                | 5.80           | <b>PASS</b>        |
| <b>Mode</b>      | <b>FR1 n77 / 50MHz / DFT-S OFDM</b> |                |                    |
| <b>Mod.</b>      | <b>QPSK</b>                         | <b>16QAM</b>   | <b>Limit: 13dB</b> |
| <b>RB Size</b>   | <b>Full RB</b>                      | <b>Full RB</b> | <b>Result</b>      |
| <b>Middle CH</b> | 4.96                                | 8.20           | <b>PASS</b>        |
| <b>Mode</b>      | <b>FR1 n77 / 60MHz / DFT-S OFDM</b> |                |                    |
| <b>Mod.</b>      | <b>QPSK</b>                         | <b>16QAM</b>   | <b>Limit: 13dB</b> |
| <b>RB Size</b>   | <b>Full RB</b>                      | <b>Full RB</b> | <b>Result</b>      |
| <b>Middle CH</b> | 5.18                                | 5.82           | <b>PASS</b>        |
| <b>Mode</b>      | <b>FR1 n77 / 70MHz / DFT-S OFDM</b> |                |                    |
| <b>Mod.</b>      | <b>QPSK</b>                         | <b>16QAM</b>   | <b>Limit: 13dB</b> |
| <b>RB Size</b>   | <b>Full RB</b>                      | <b>Full RB</b> | <b>Result</b>      |
| <b>Middle CH</b> | 5.14                                | 5.92           | <b>PASS</b>        |
| <b>Mode</b>      | <b>FR1 n77 / 80MHz / DFT-S OFDM</b> |                |                    |
| <b>Mod.</b>      | <b>QPSK</b>                         | <b>16QAM</b>   | <b>Limit: 13dB</b> |
| <b>RB Size</b>   | <b>Full RB</b>                      | <b>Full RB</b> | <b>Result</b>      |
| <b>Middle CH</b> | 5.16                                | 5.88           | <b>PASS</b>        |



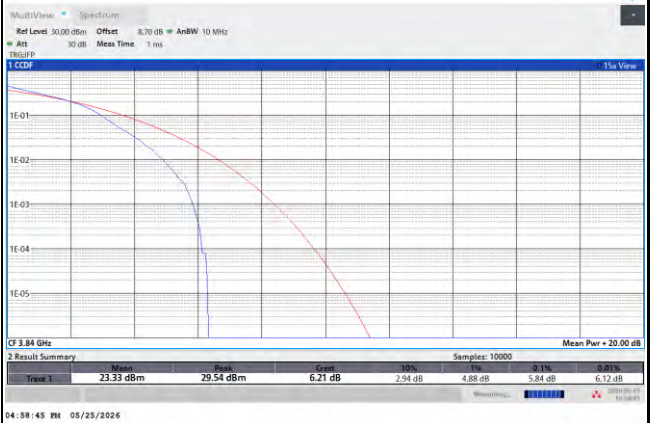
| Mode      | FR1 n77 / 90MHz / DFT-S OFDM  |         |             |
|-----------|-------------------------------|---------|-------------|
| Mod.      | QPSK                          | 16QAM   | Limit: 13dB |
| RB Size   | Full RB                       | Full RB | Result      |
| Middle CH | 5.16                          | 5.84    | <b>PASS</b> |
| Mode      | FR1 n77 / 100MHz / DFT-S OFDM |         |             |
| Mod.      | QPSK                          | 16QAM   | Limit: 13dB |
| RB Size   | Full RB                       | Full RB | Result      |
| Middle CH | 4.92                          | 5.66    | <b>PASS</b> |

## FR1 n77 / 10MHz / DFTs OFDM / Middle Channel / Full RB

### QPSK

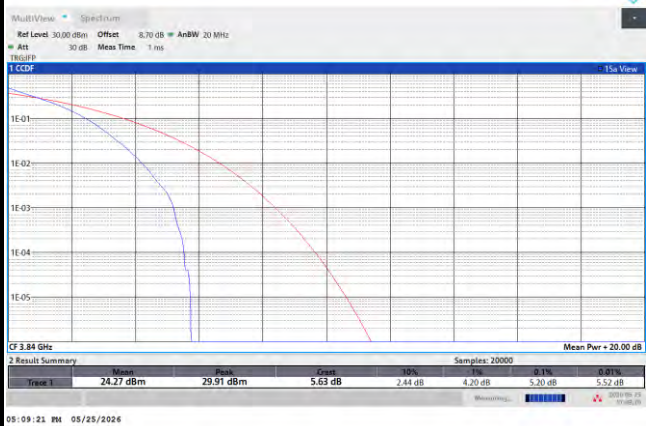


### 16QAM

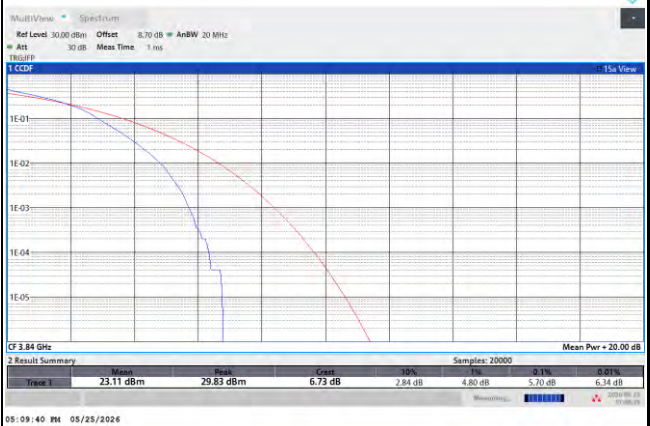


## FR1 n77 / 15MHz / DFTs OFDM / Middle Channel / Full RB

### QPSK

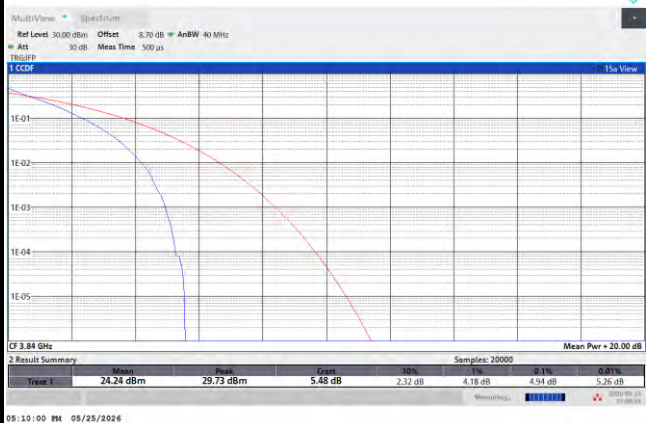


### 16QAM

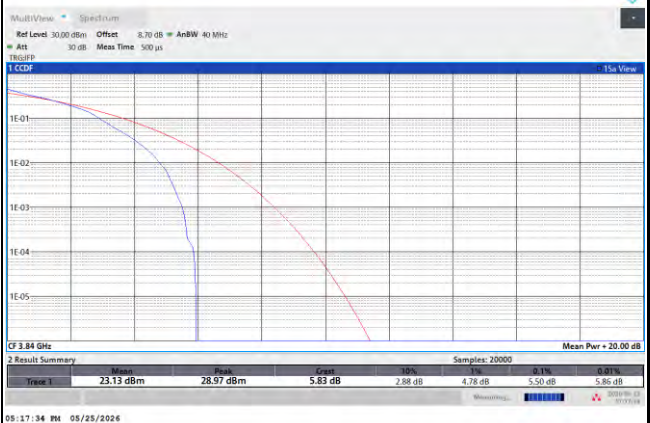


## FR1 n77 / 25MHz / DFTs OFDM / Middle Channel / Full RB

### QPSK



### 16QAM



### FR1 n77 / 30MHz / DFTs OFDM / Middle Channel / Full RB

#### QPSK



#### 16QAM



### FR1 n77 / 40MHz / DFTs OFDM / Middle Channel / Full RB

#### QPSK



#### 16QAM



### FR1 n77 / 50MHz / DFTs OFDM / Middle Channel / Full RB

#### QPSK

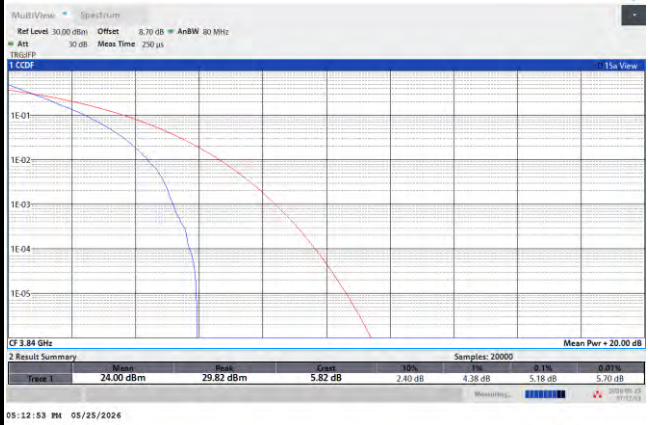


#### 16QAM

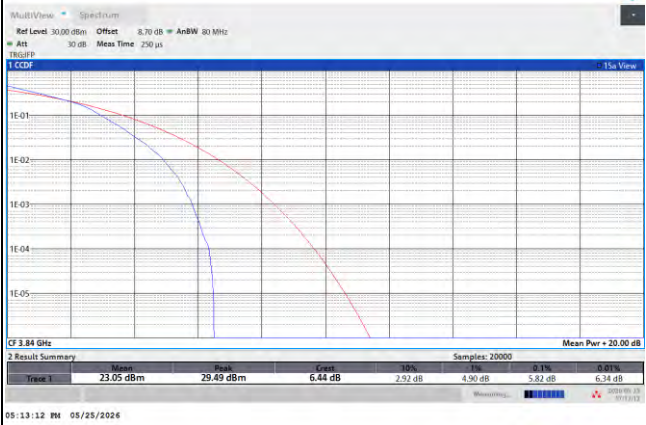


### FR1 n77 / 60MHz / DFTs OFDM / Middle Channel / Full RB

#### QPSK

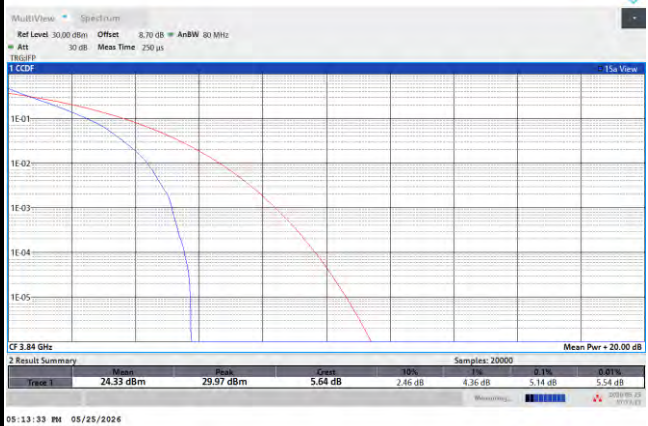


#### 16QAM

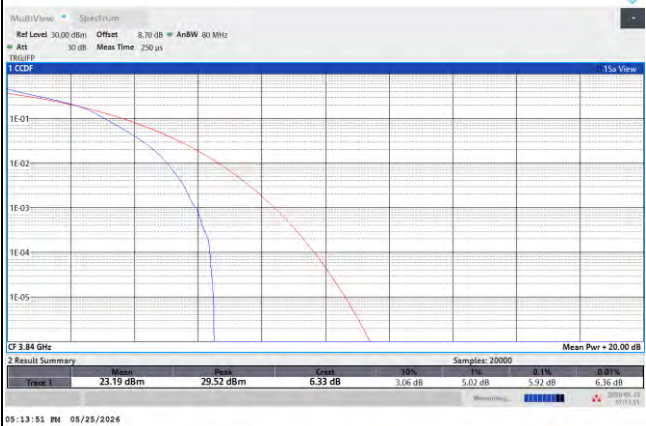


### FR1 n77 / 70MHz / DFTs OFDM / Middle Channel / Full RB

#### QPSK

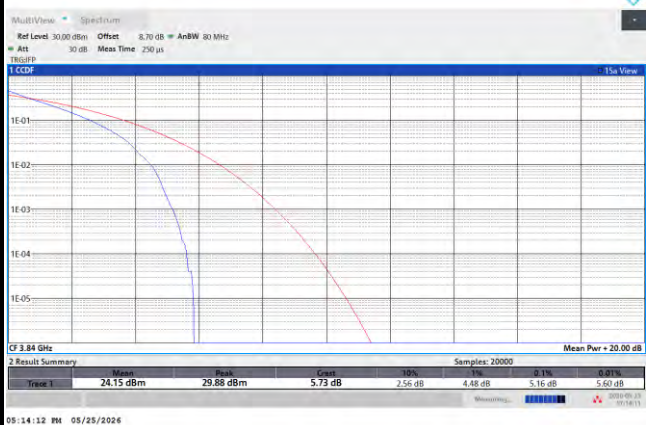


#### 16QAM

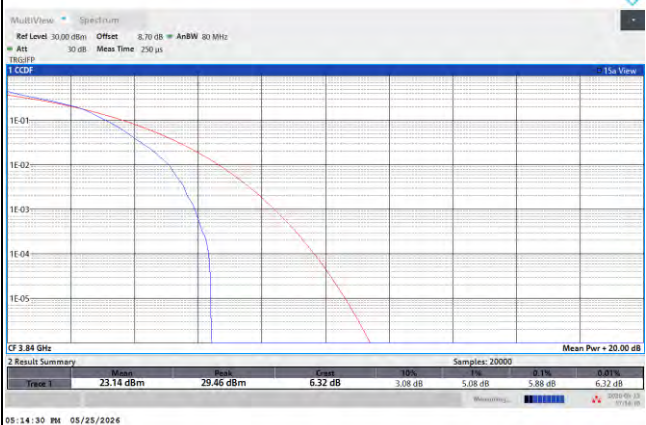


### FR1 n77 / 80MHz / DFTs OFDM / Middle Channel / Full RB

#### QPSK



#### 16QAM





## FR1 n77 / 90MHz / DFTs OFDM / Middle Channel / Full RB

## QPSK



## 16QAM

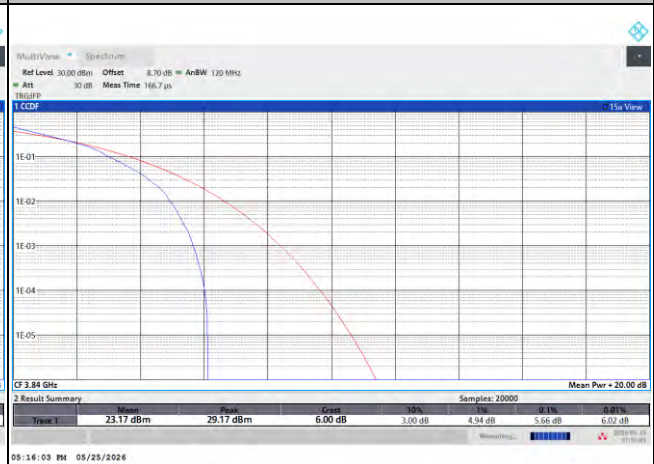


## FR1 n77 / 100MHz / DFTs OFDM / Middle Channel / Full RB

## QPSK



## 16QAM



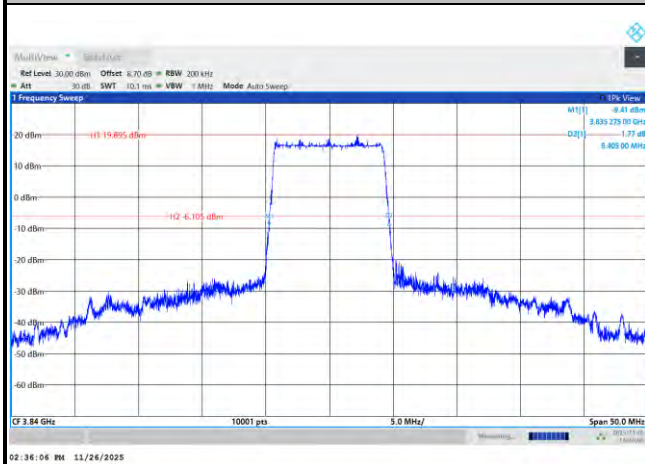
**26dB Bandwidth**

| Mode      | FR1 n77 : 26dB BW(MHz) / DFT-S OFDM |       |           |       |           |       |           |        |
|-----------|-------------------------------------|-------|-----------|-------|-----------|-------|-----------|--------|
| BW        | 10MHz                               |       | 15MHz     |       | 20MHz     |       | 25MHz     |        |
| Mod.      | PI/2 BPSK                           | QPSK  | PI/2 BPSK | QPSK  | PI/2 BPSK | QPSK  | PI/2 BPSK | QPSK   |
| Middle CH | 9.40                                | 9.39  | 13.79     | 13.99 | 19.20     | 19.21 | 24.26     | 24.26  |
| Mod.      | 16QAM                               |       | 16QAM     |       | 16QAM     |       | 16QAM     |        |
| Middle CH | 9.47                                |       | 13.99     |       | 19.22     |       | 25.53     |        |
| BW        | 30MHz                               |       | 40MHz     |       | 50MHz     |       | 60MHz     |        |
| Mod.      | PI/2 BPSK                           | QPSK  | PI/2 BPSK | QPSK  | PI/2 BPSK | QPSK  | PI/2 BPSK | QPSK   |
| Middle CH | 29.30                               | 29.52 | 38.24     | 38.29 | 48.34     | 48.25 | 62.83     | 62.82  |
| Mod.      | 16QAM                               |       | 16QAM     |       | 16QAM     |       | 16QAM     |        |
| Middle CH | 29.38                               |       | 38.29     |       | 48.36     |       | 62.67     |        |
| BW        | 70MHz                               |       | 80MHz     |       | 90MHz     |       | 100MHz    |        |
| Mod.      | PI/2 BPSK                           | QPSK  | PI/2 BPSK | QPSK  | PI/2 BPSK | QPSK  | PI/2 BPSK | QPSK   |
| Middle CH | 69.30                               | 69.17 | 82.08     | 82.28 | 92.00     | 91.93 | 101.61    | 101.61 |
| Mod.      | 16QAM                               |       | 16QAM     |       | 16QAM     |       | 16QAM     |        |
| Middle CH | 69.19                               |       | 82.09     |       | 91.83     |       | 101.47    |        |

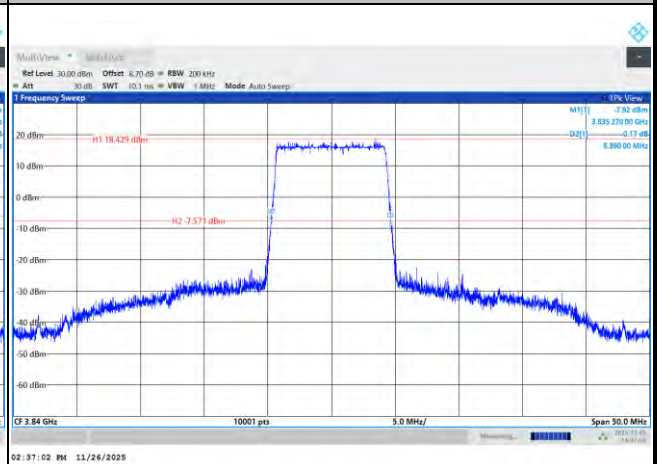


FR1 n77 / 10MHz / DFT-S OFDM / Middle Channel / Full RB

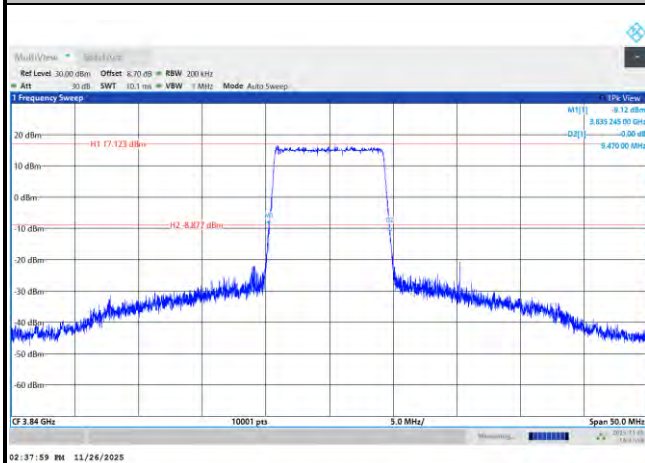
PI/2 BPSK



QPSK



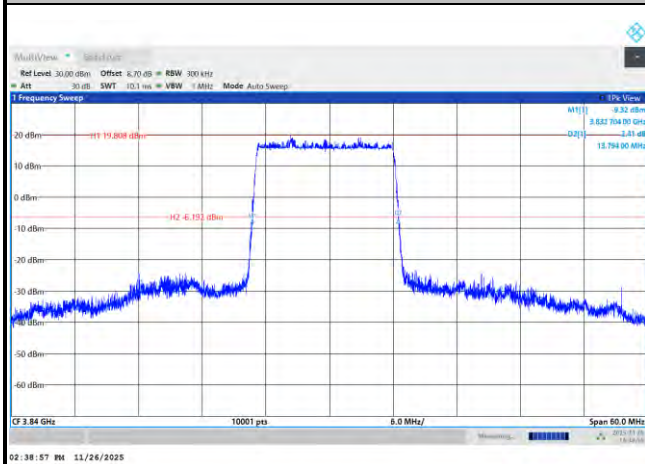
16QAM



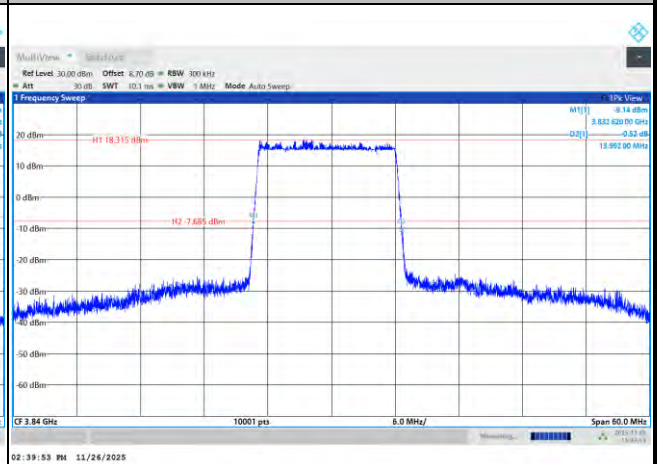


FR1 n77 / 15MHz / DFT-S OFDM / Middle Channel / Full RB

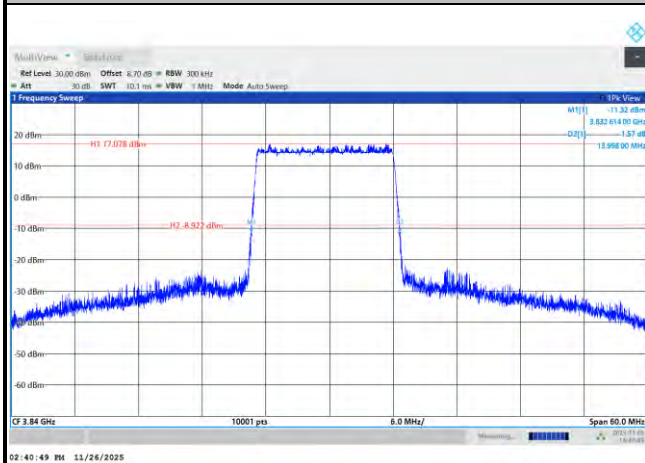
PI/2 BPSK



QPSK



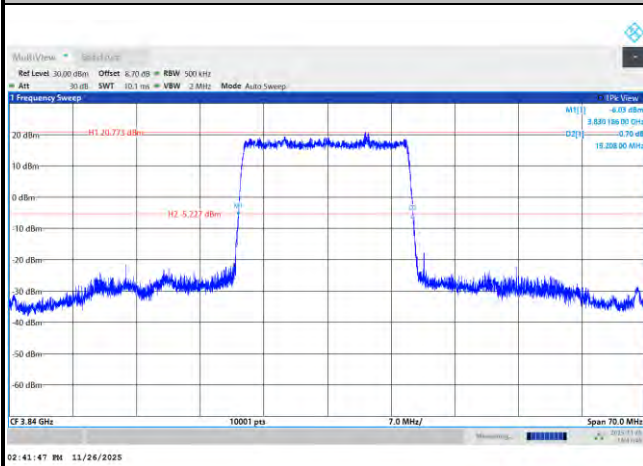
16QAM





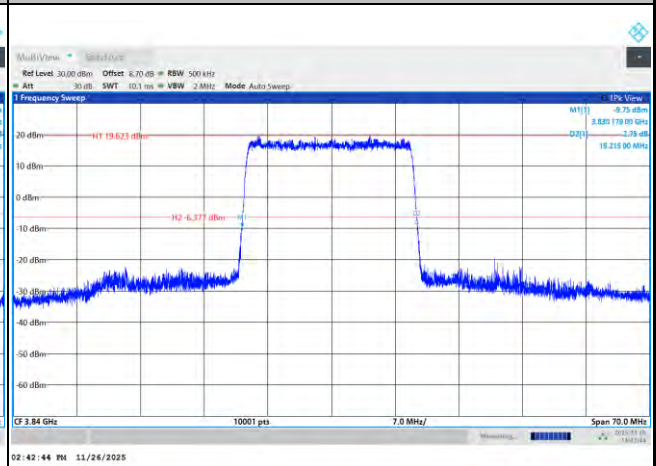
## FR1 n77 / 20MHz / DFT-S OFDM / Middle Channel / Full RB

## PI/2 BPSK



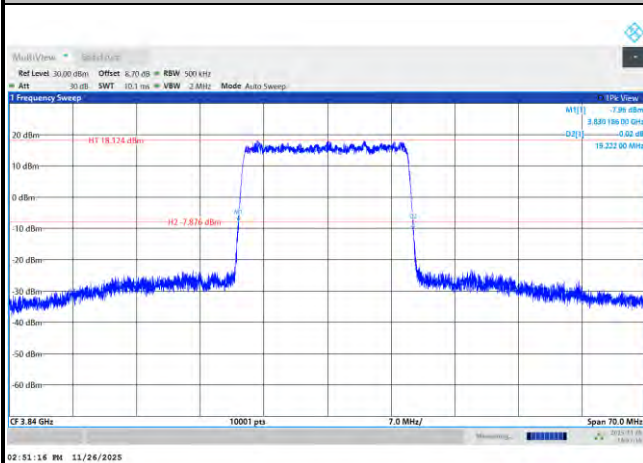
02:41:47 PM 11/26/2025

## QPSK



02:42:44 PM 11/26/2025

## 16QAM

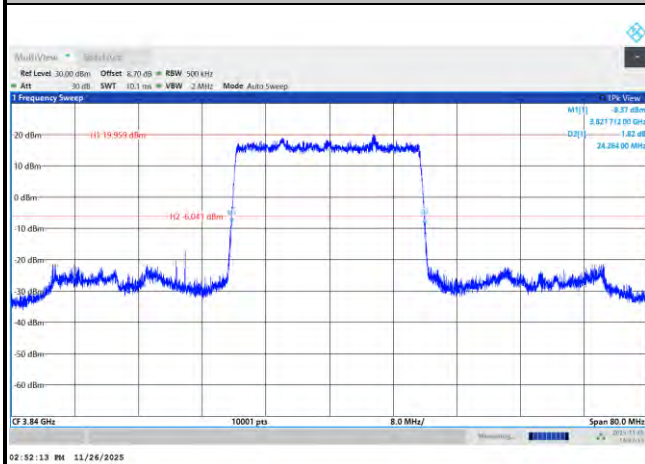


02:51:16 PM 11/26/2025

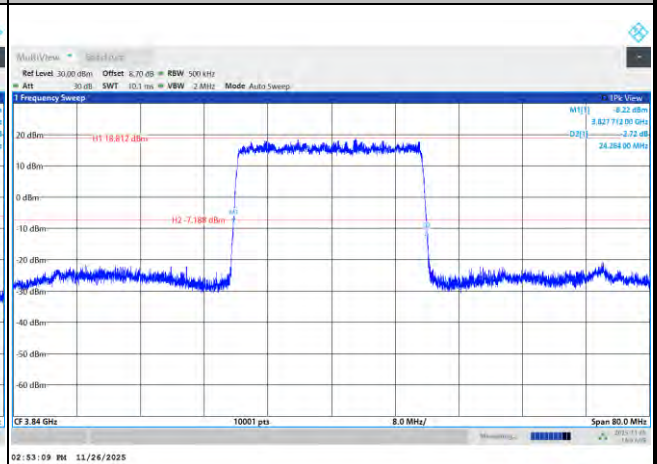


FR1 n77 / 25MHz / DFT-S OFDM / Middle Channel / Full RB

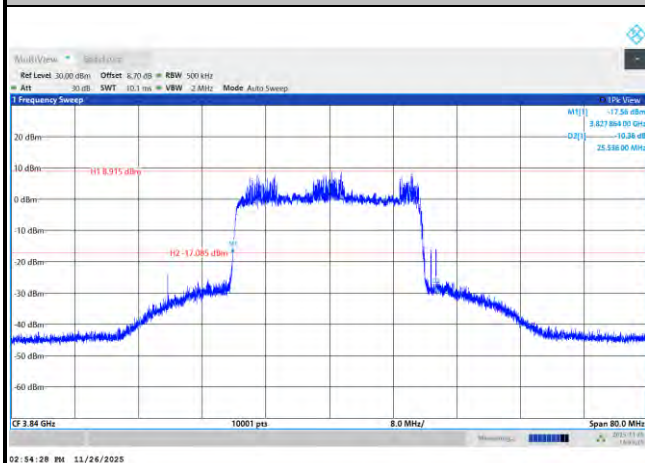
PI/2 BPSK



QPSK



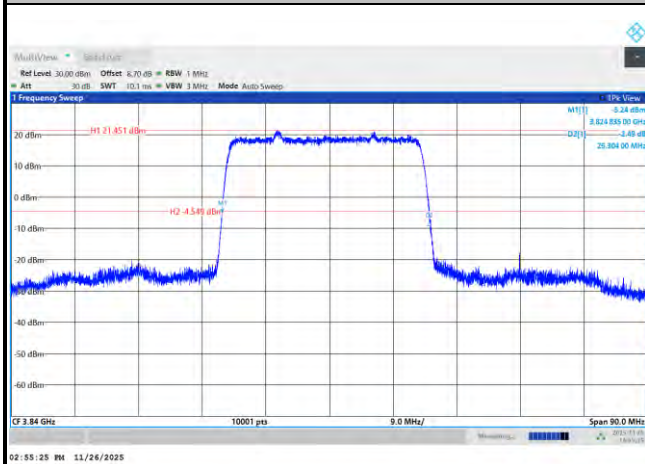
16QAM



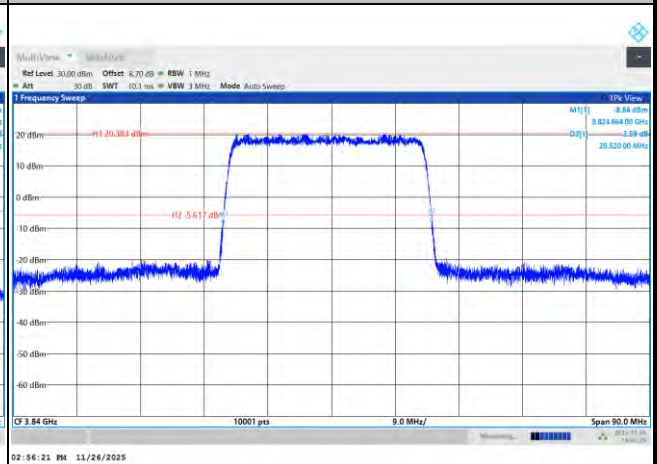


FR1 n77 / 30MHz / DFT-S OFDM / Middle Channel / Full RB

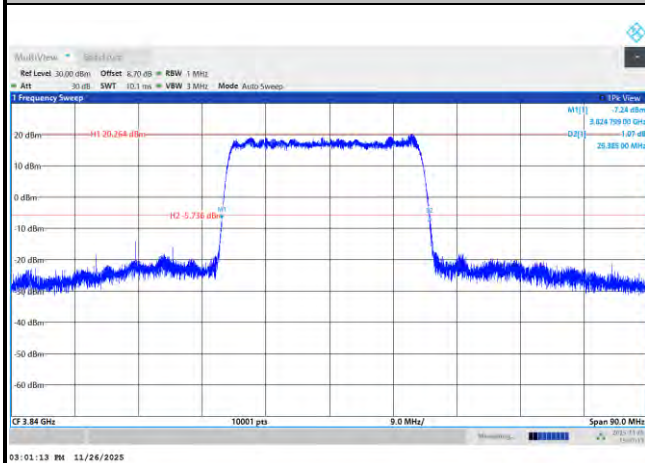
PI/2 BPSK



QPSK



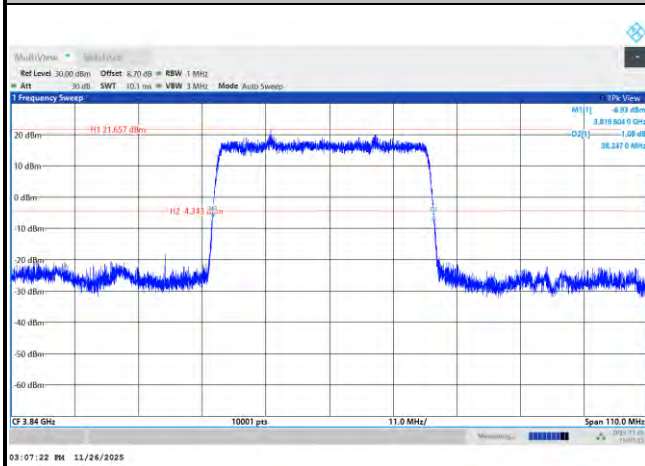
16QAM



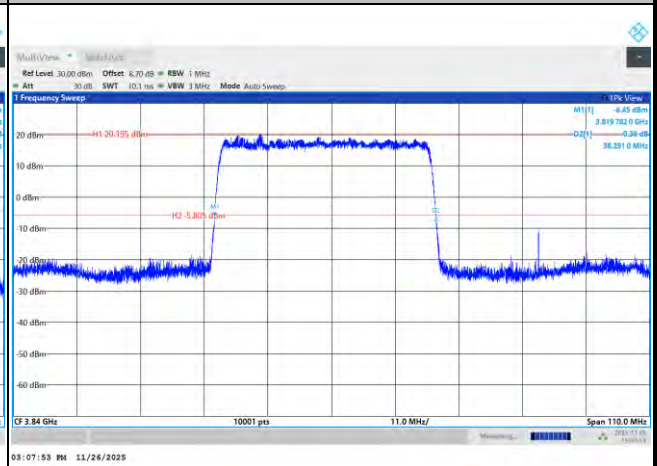


FR1 n77 / 40MHz / DFT-S OFDM / Middle Channel / Full RB

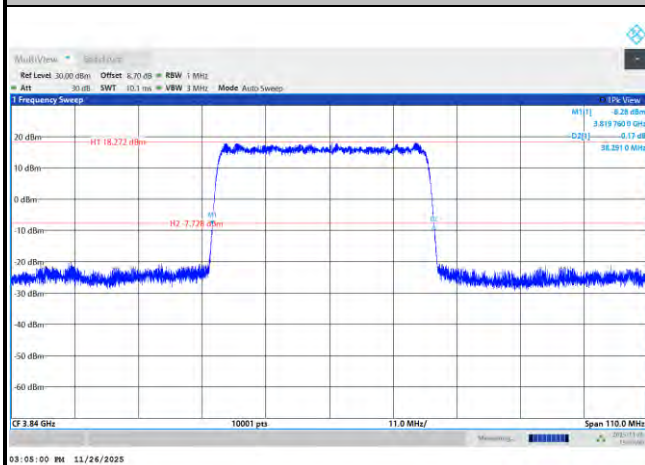
PI/2 BPSK



QPSK



16QAM



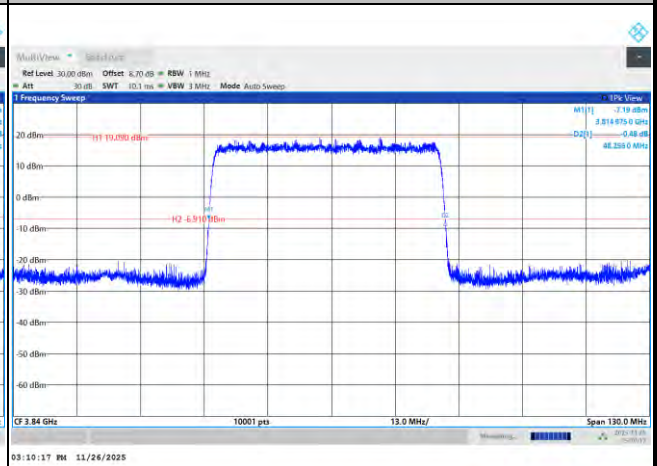


FR1 n77 / 50MHz / DFT-S OFDM / Middle Channel / Full RB

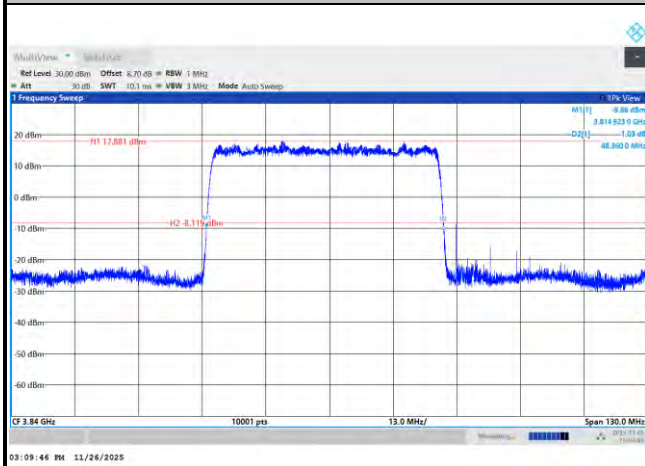
PI/2 BPSK



QPSK

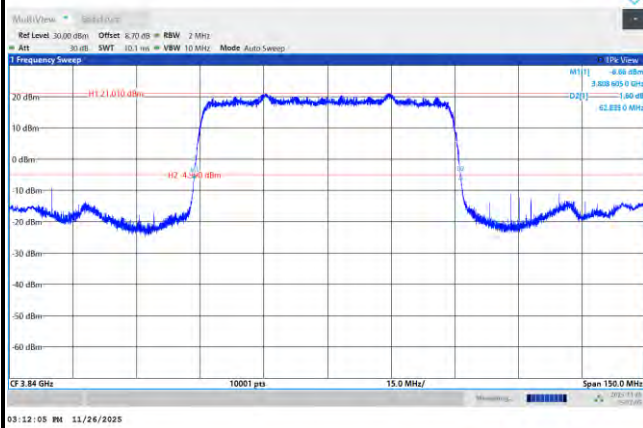


16QAM

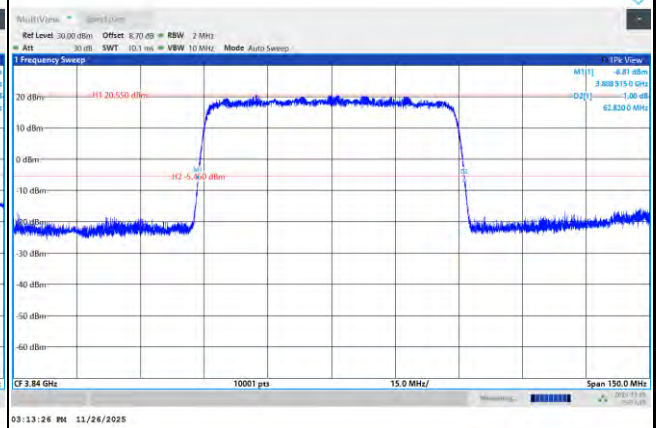




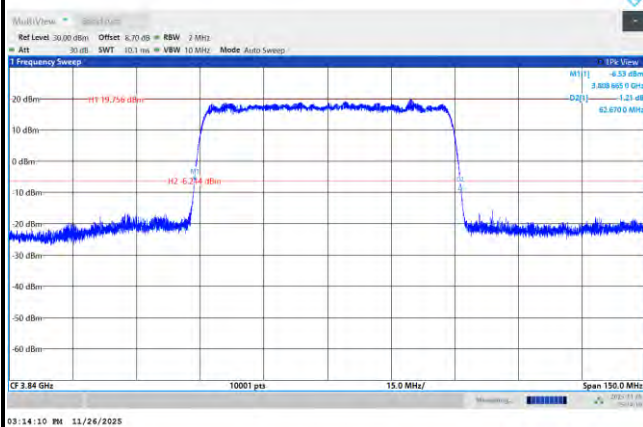
**Report No. : FG5N0815-01C**

**FR1 n77 / 60MHz / DFT-S OFDM / Middle Channel / Full RB****PI/2 BPSK**

## QPSK



## 16QAM

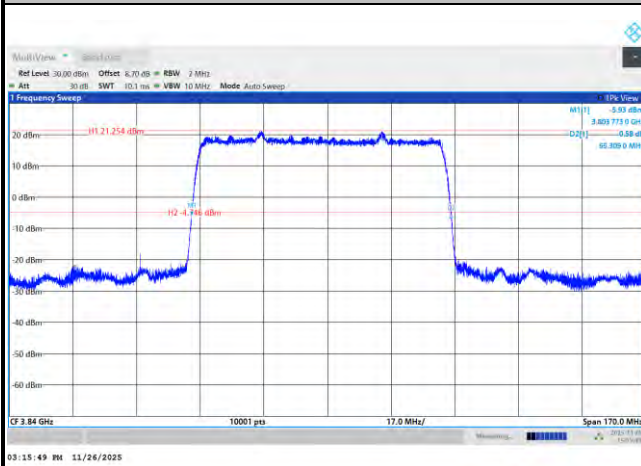




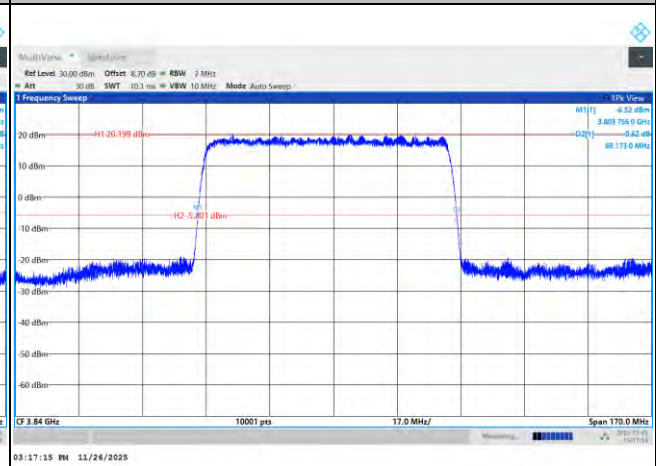
**Report No. : FG5N0815-01C**

## FR1 n77 / 70MHz / DFT-S OFDM / Middle Channel / Full RB

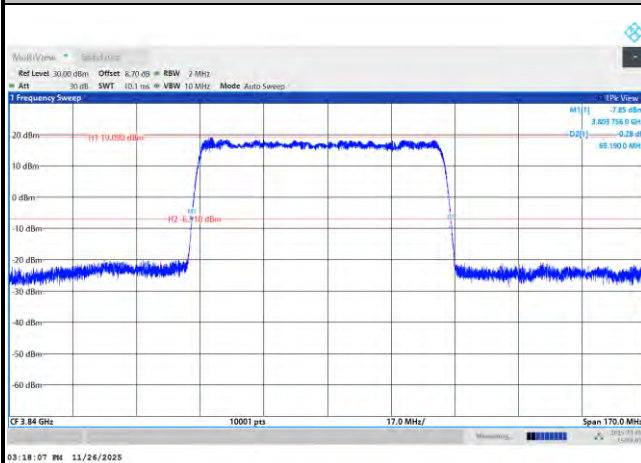
## PI/2 BPSK



## QPSK



## 16QAM

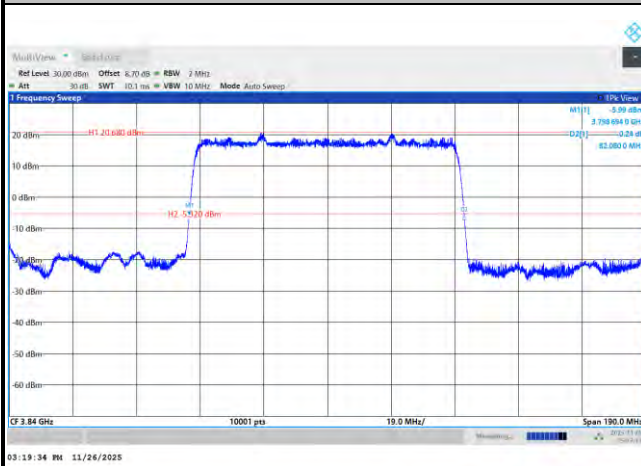




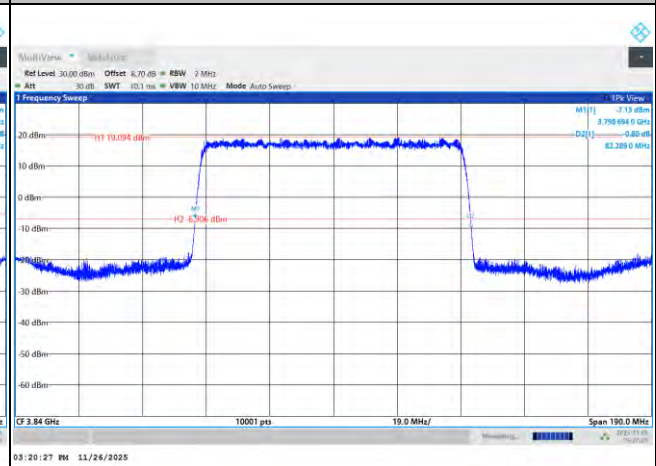
**Report No. : FG5N0815-01C**

## FR1 n77 / 80MHz / DFT-S OFDM / Middle Channel / Full RB

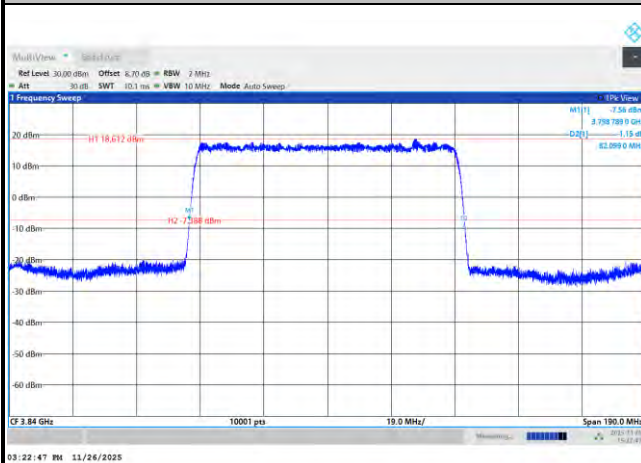
## PI/2 BPSK



## QPSK



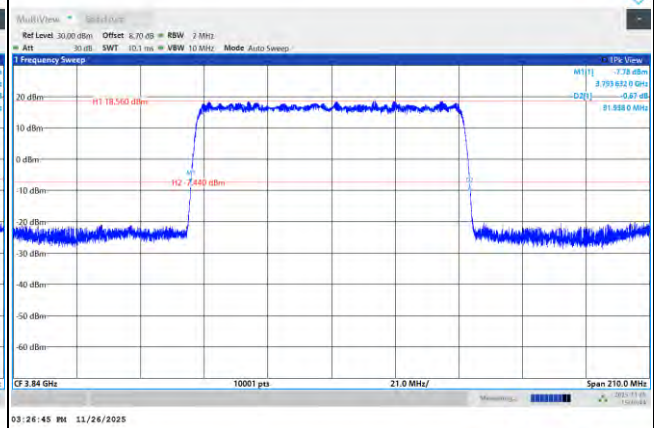
## 16QAM





FR1 n77 / 90MHz / DFT-S OFDM / Middle Channel / Full RB

## QPSK

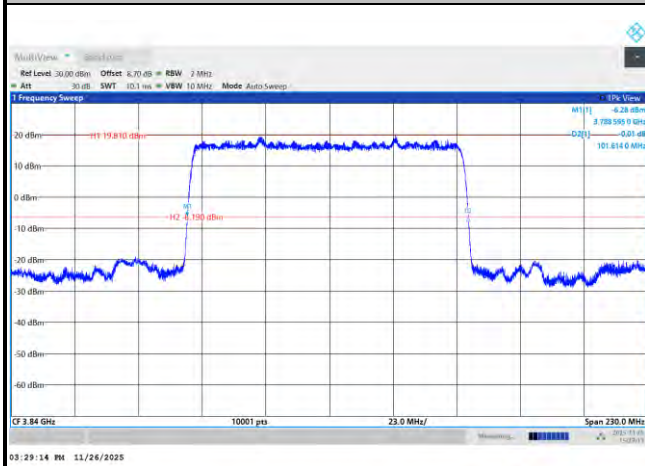


## 16QAM

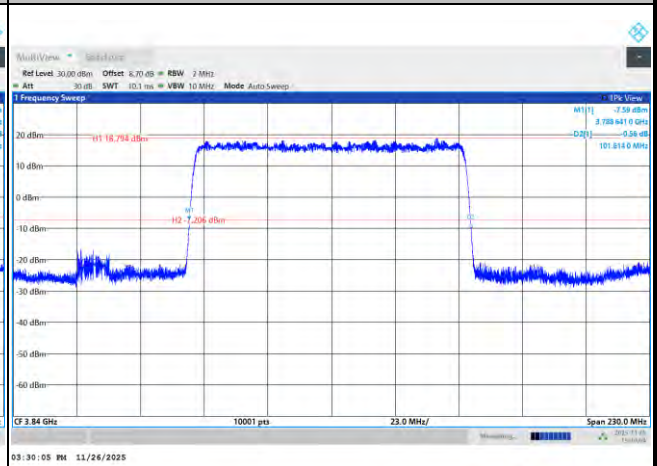


FR1 n77 / 100MHz / DFT-S OFDM / Middle Channel / Full RB

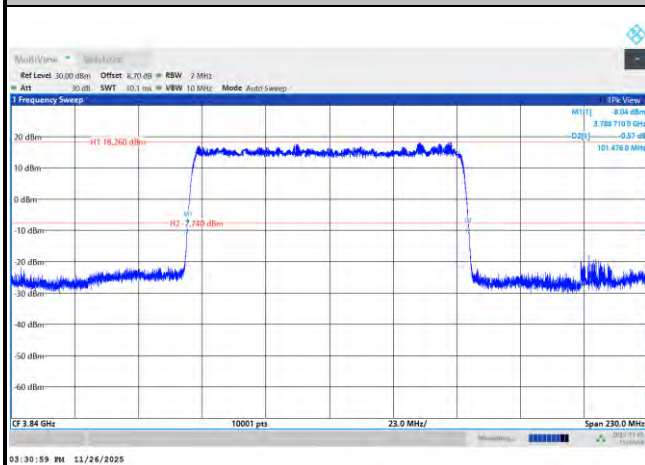
PI/2 BPSK



QPSK



16QAM



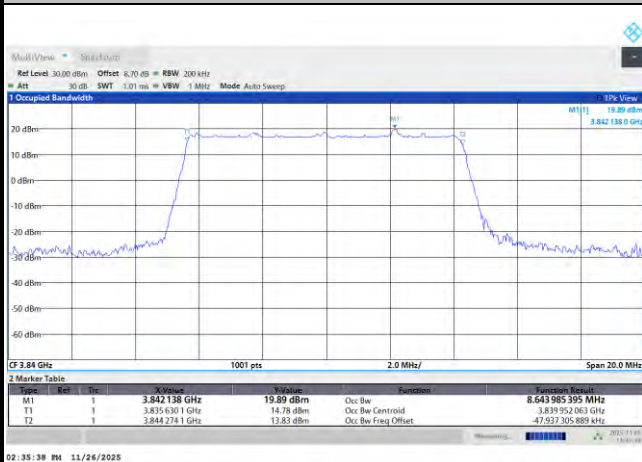
**Occupied Bandwidth**

| Mode      | FR1 n77 : 99%OBW(MHz) / DFT-S OFDM |       |           |       |           |       |           |       |
|-----------|------------------------------------|-------|-----------|-------|-----------|-------|-----------|-------|
| BW        | 10MHz                              |       | 15MHz     |       | 20MHz     |       | 25MHz     |       |
| Mod.      | PI/2 BPSK                          | QPSK  | PI/2 BPSK | QPSK  | PI/2 BPSK | QPSK  | PI/2 BPSK | QPSK  |
| Middle CH | 8.64                               | 8.66  | 12.97     | 12.98 | 18.13     | 18.01 | 23.04     | 23.00 |
| Mod.      | 16QAM                              |       | 16QAM     |       | 16QAM     |       | 16QAM     |       |
| Middle CH | 8.61                               |       | 12.92     |       | 17.98     |       | 22.92     |       |
| BW        | 30MHz                              |       | 40MHz     |       | 50MHz     |       | 60MHz     |       |
| Mod.      | PI/2 BPSK                          | QPSK  | PI/2 BPSK | QPSK  | PI/2 BPSK | QPSK  | PI/2 BPSK | QPSK  |
| Middle CH | 27.24                              | 27.27 | 36.11     | 36.05 | 45.84     | 45.82 | 58.37     | 58.36 |
| Mod.      | 16QAM                              |       | 16QAM     |       | 16QAM     |       | 16QAM     |       |
| Middle CH | 27.14                              |       | 35.96     |       | 45.92     |       | 58.31     |       |
| BW        | 70MHz                              |       | 80MHz     |       | 90MHz     |       | 100MHz    |       |
| Mod.      | PI/2 BPSK                          | QPSK  | PI/2 BPSK | QPSK  | PI/2 BPSK | QPSK  | PI/2 BPSK | QPSK  |
| Middle CH | 65.05                              | 64.71 | 77.66     | 77.42 | 87.24     | 86.92 | 96.74     | 96.47 |
| Mod.      | 16QAM                              |       | 16QAM     |       | 16QAM     |       | 16QAM     |       |
| Middle CH | 64.67                              |       | 77.30     |       | 86.99     |       | 96.55     |       |



## FR1 n77 / 10MHz / DFT-S OFDM / Middle Channel / Full RB

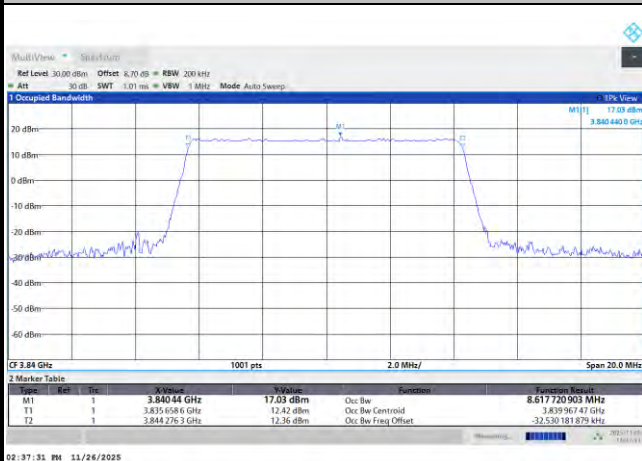
## PI/2 BPSK



## QPSK



## 16QAM





## FR1 n77 / 15MHz / DFT-S OFDM / Middle Channel / Full RB

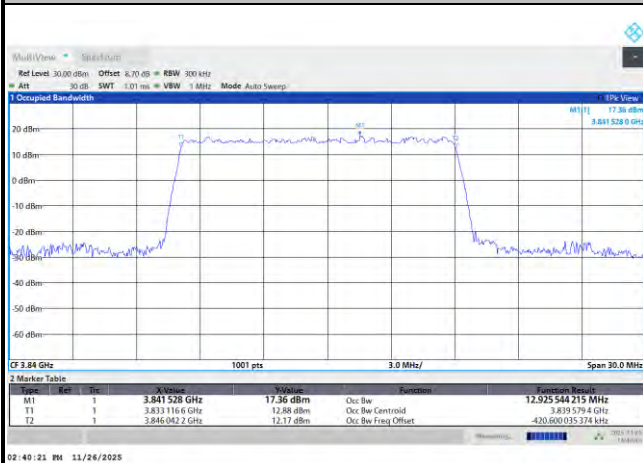
## PI/2 BPSK



## QPSK



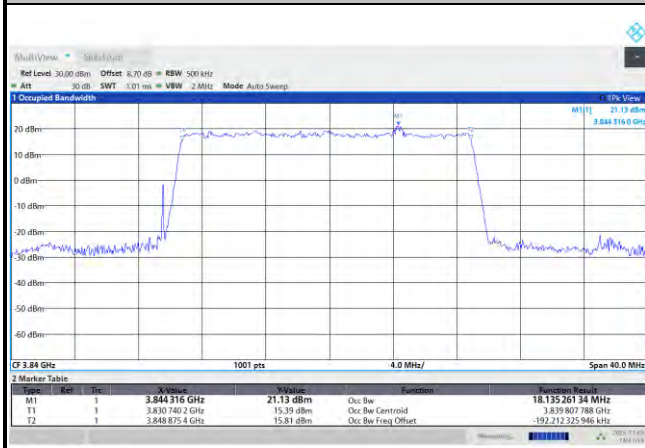
## 16QAM



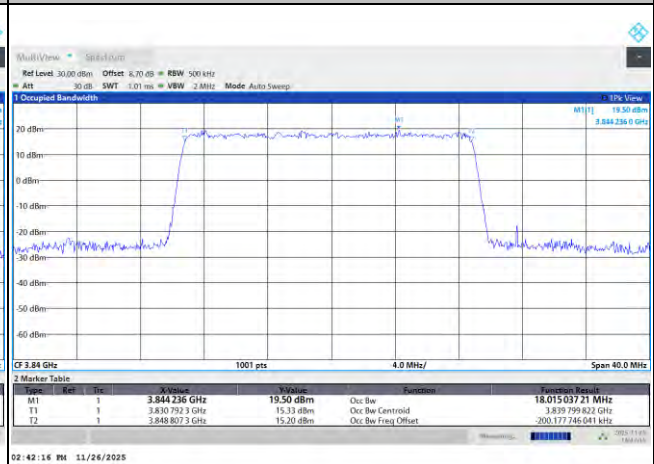


## FR1 n77 / 20MHz / DFT-S OFDM / Middle Channel / Full RB

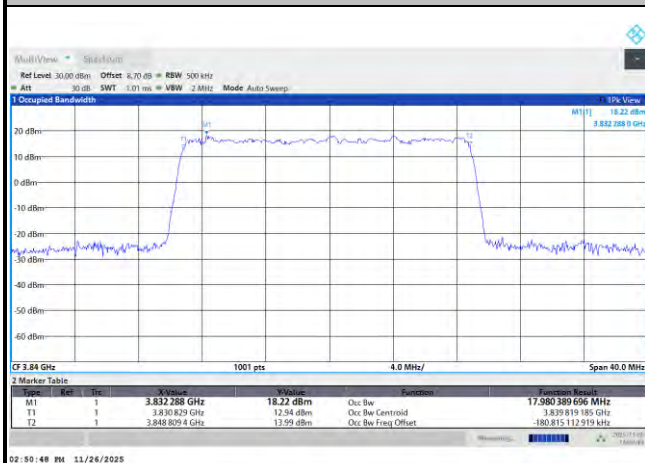
## PI/2 BPSK



## QPSK



## 16QAM





## FR1 n77 / 25MHz / DFT-S OFDM / Middle Channel / Full RB

## PI/2 BPSK



## QPSK



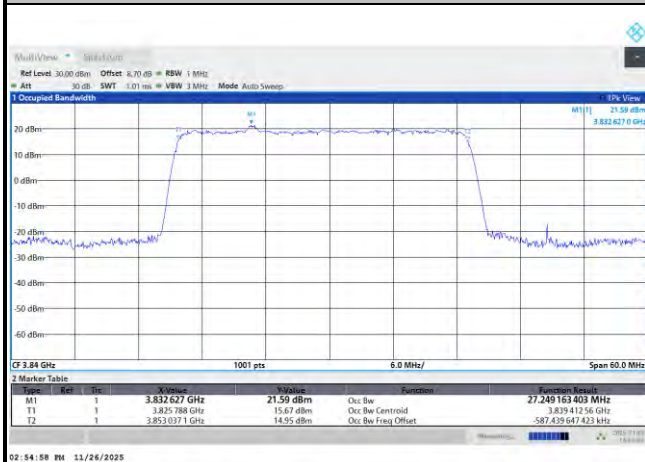
## 16QAM



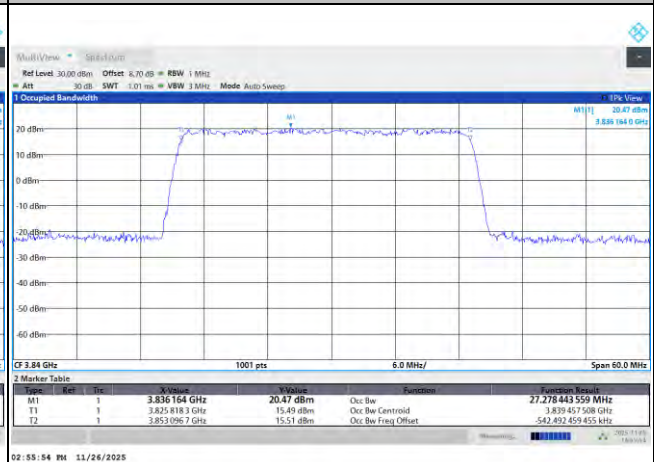


## FR1 n77 / 30MHz / DFT-S OFDM / Middle Channel / Full RB

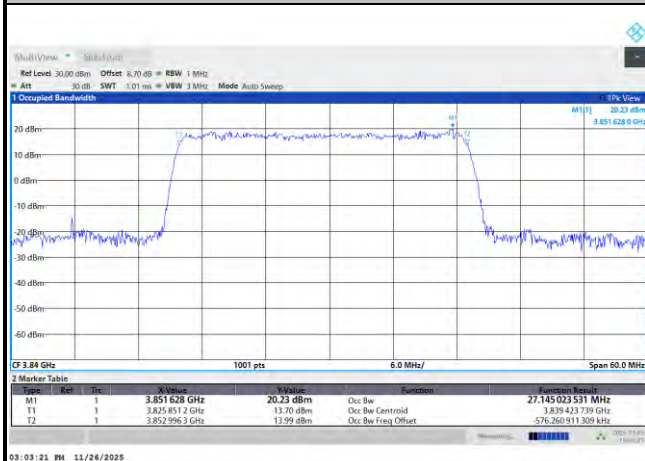
## PI/2 BPSK



## QPSK



## 16QAM



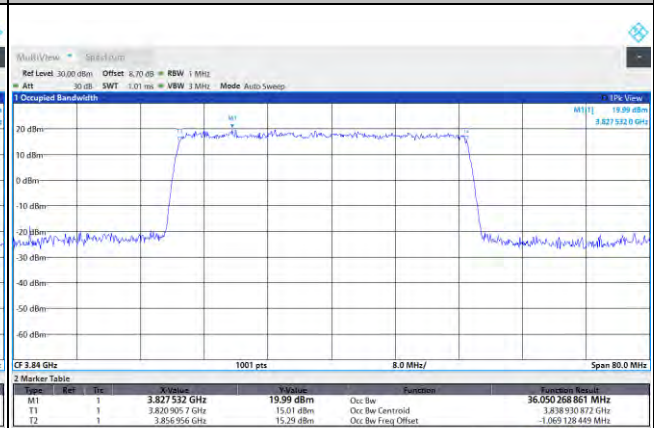


## FR1 n77 / 40MHz / DFT-S OFDM / Middle Channel / Full RB

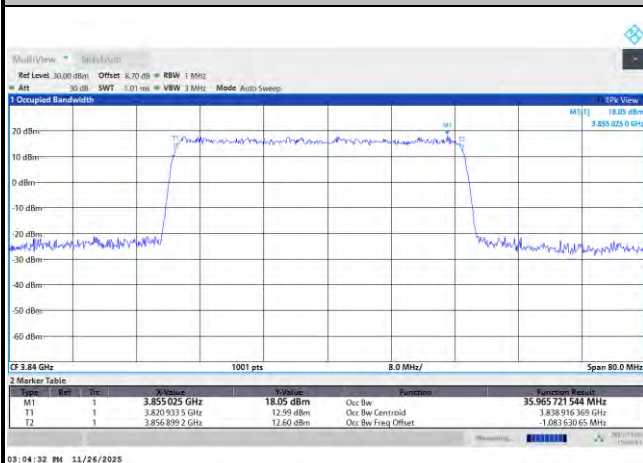
## PI/2 BPSK



## QPSK

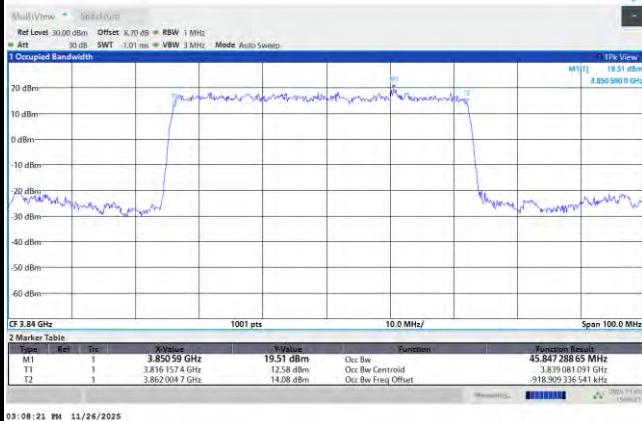


## 16QAM

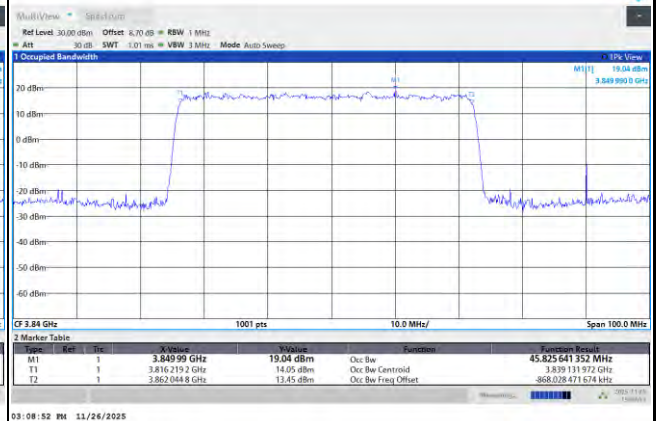


## FR1 n77 / 50MHz / DFT-S OFDM / Middle Channel / Full RB

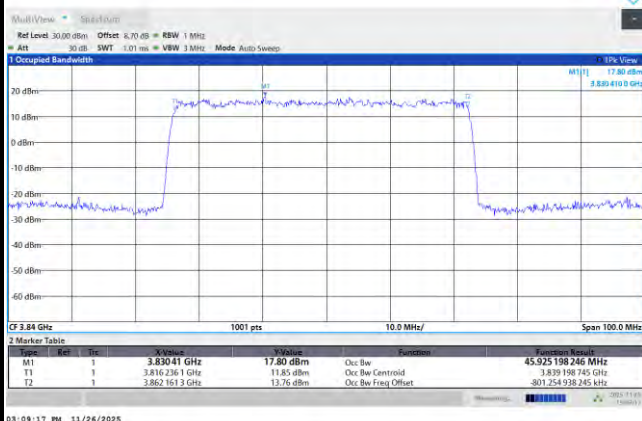
### PI/2 BPSK



### QPSK



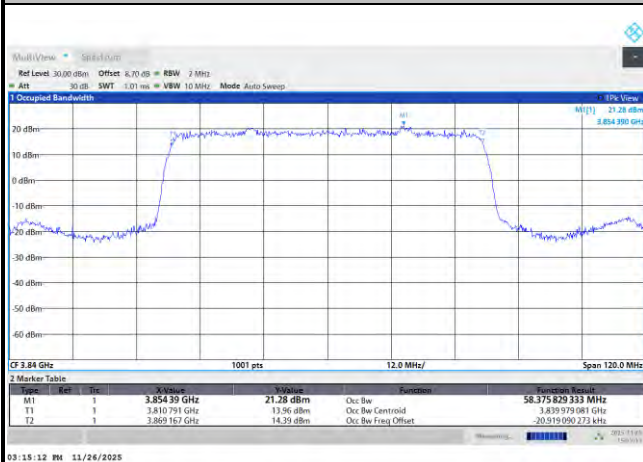
### 16QAM



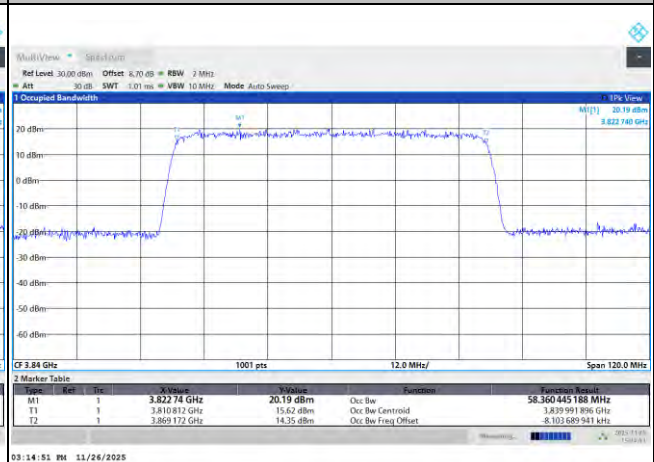


## FR1 n77 / 60MHz / DFT-S OFDM / Middle Channel / Full RB

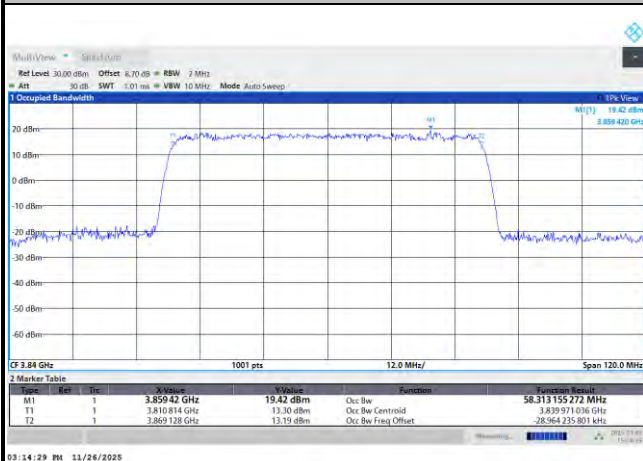
## PI/2 BPSK



## QPSK



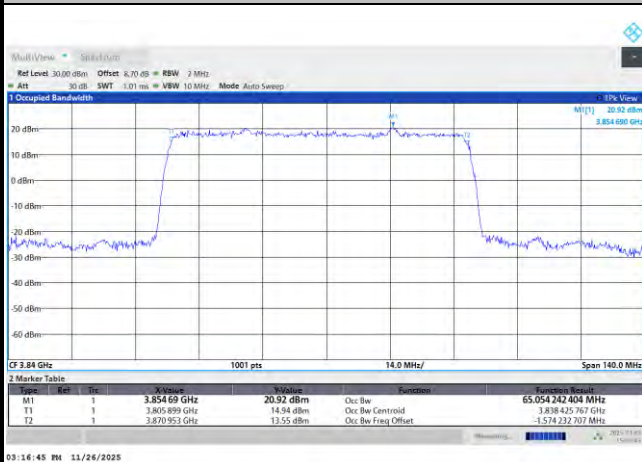
## 16QAM



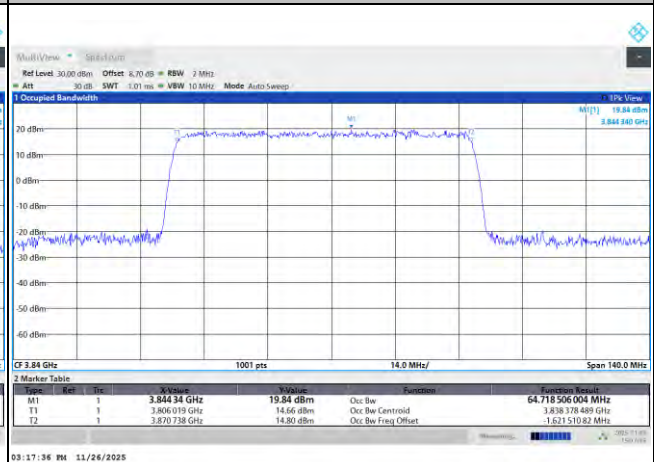


## FR1 n77 / 70MHz / DFT-S OFDM / Middle Channel / Full RB

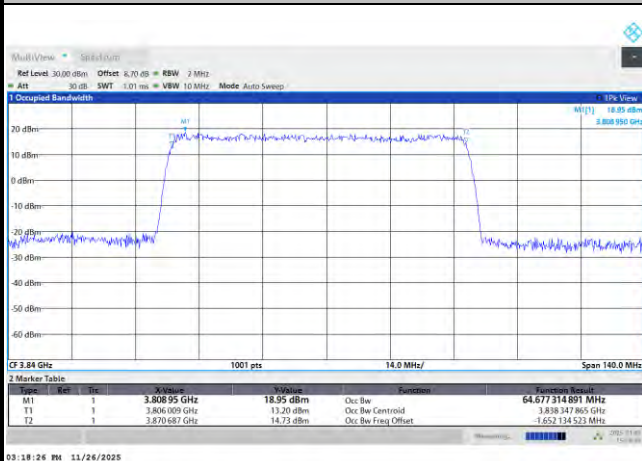
## PI/2 BPSK



## QPSK



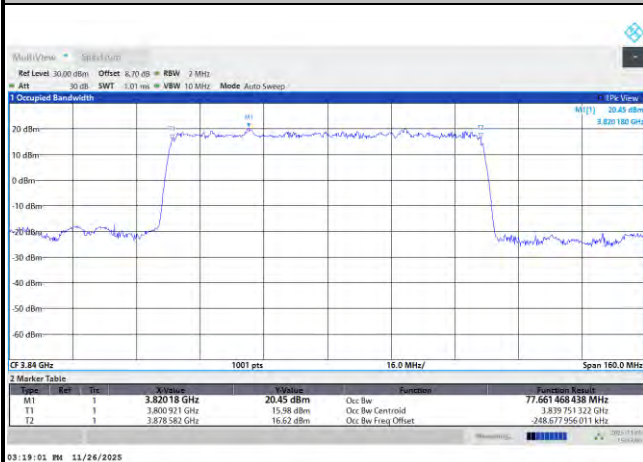
## 16QAM



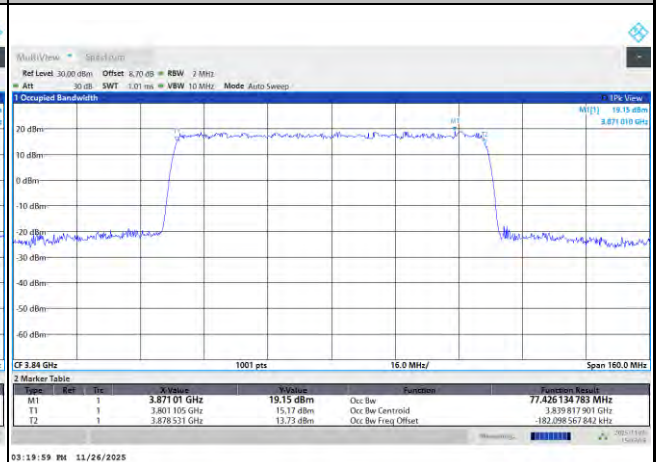


## FR1 n77 / 80MHz / DFT-S OFDM / Middle Channel / Full RB

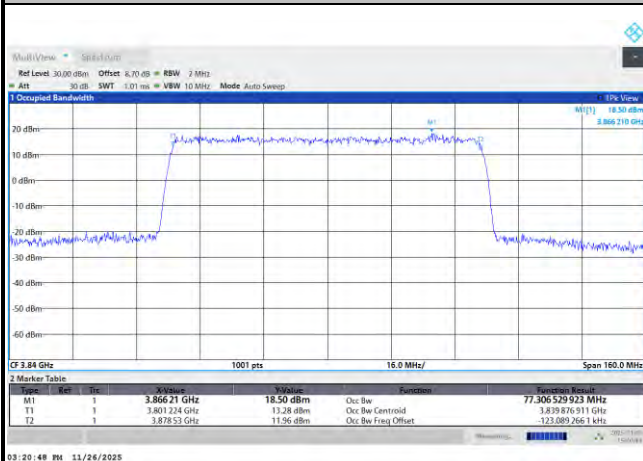
## PI/2 BPSK



## QPSK



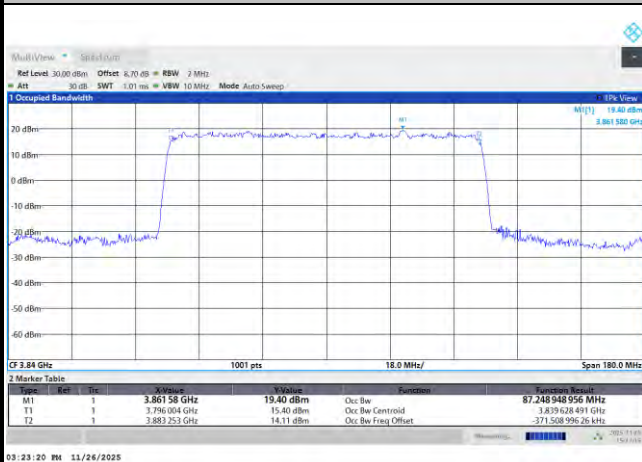
## 16QAM





FR1 n77 / 90MHz / DFT-S OFDM / Middle Channel / Full RB

PI/2 BPSK



QPSK



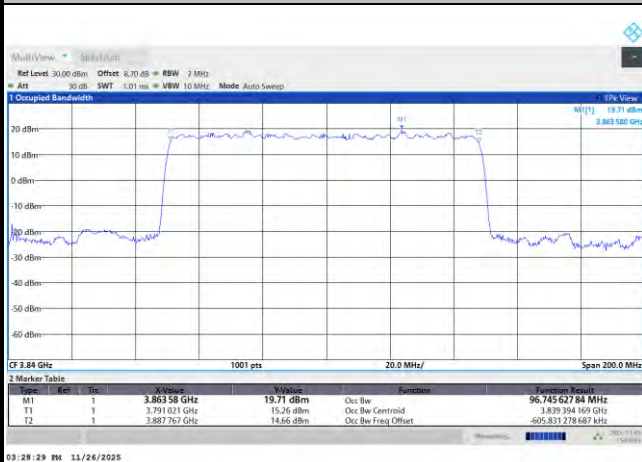
16QAM



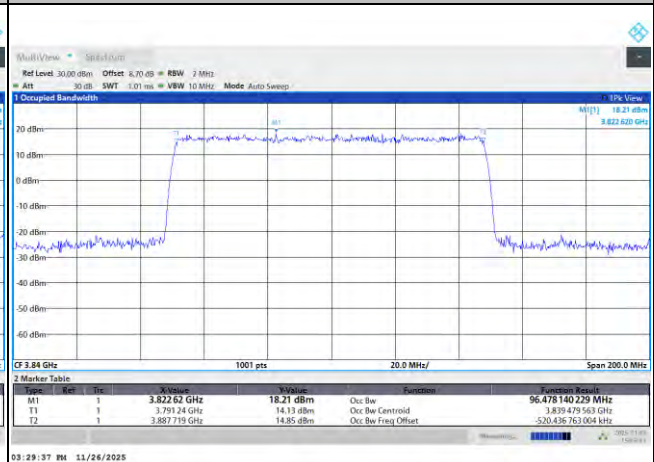


FR1 n77 / 100MHz / DFT-S OFDM / Middle Channel / Full RB

PI/2 BPSK



QPSK



16QAM

