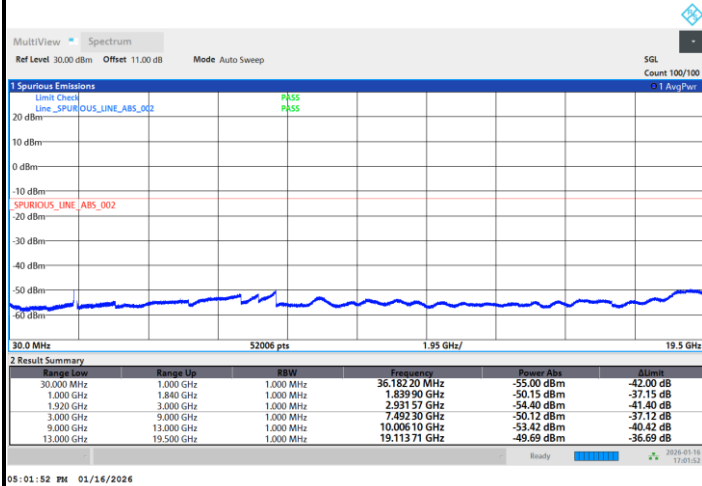




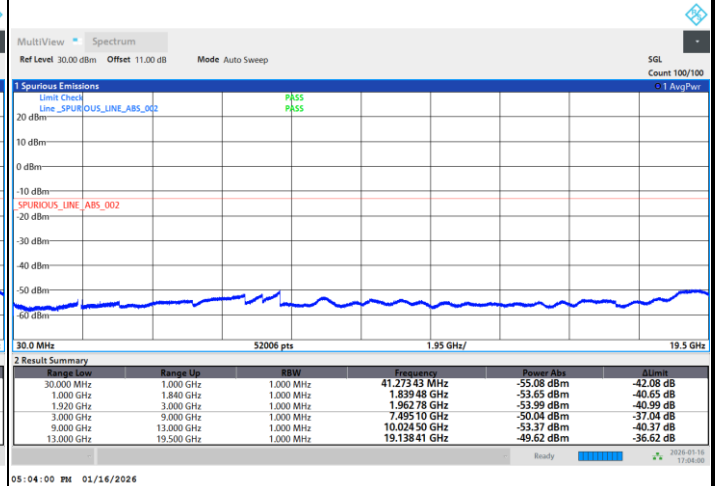
# Conducted Spurious Emission

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

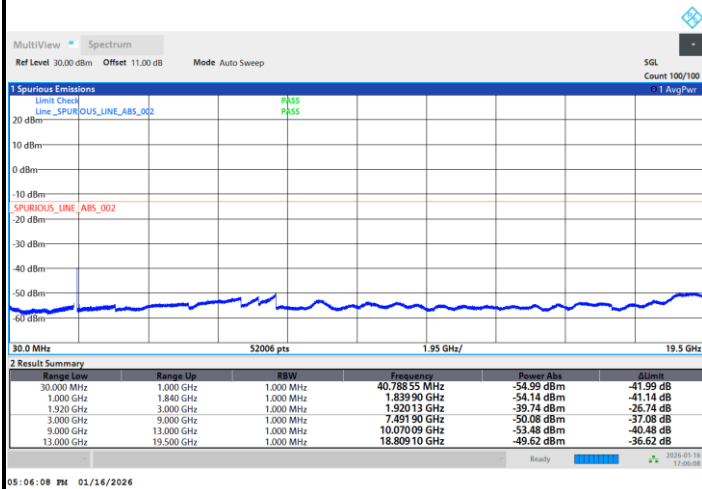
## Lowest Channel



## Middle Channel



## Highest Channel



## Frequency Stability

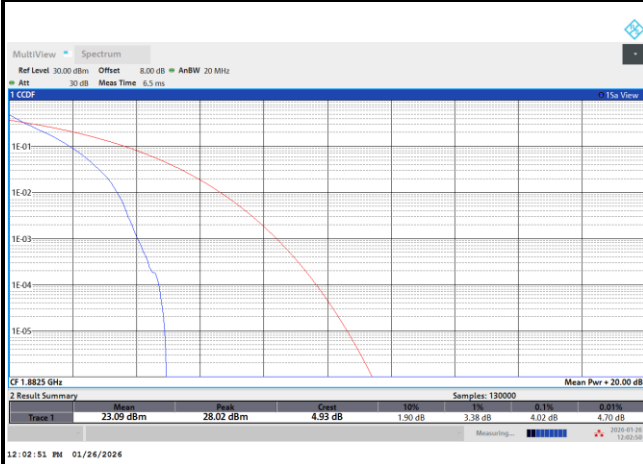
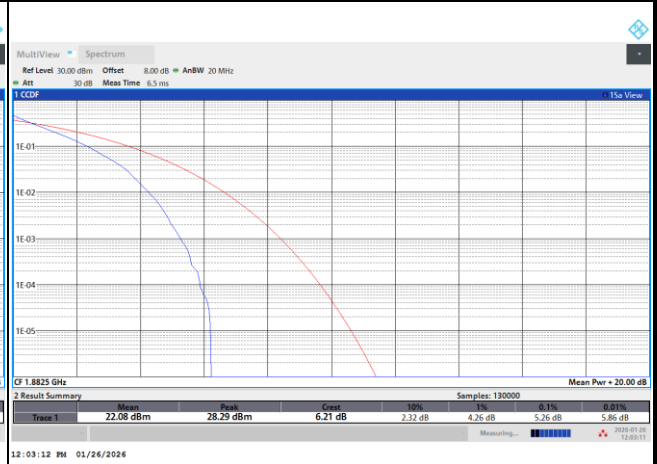
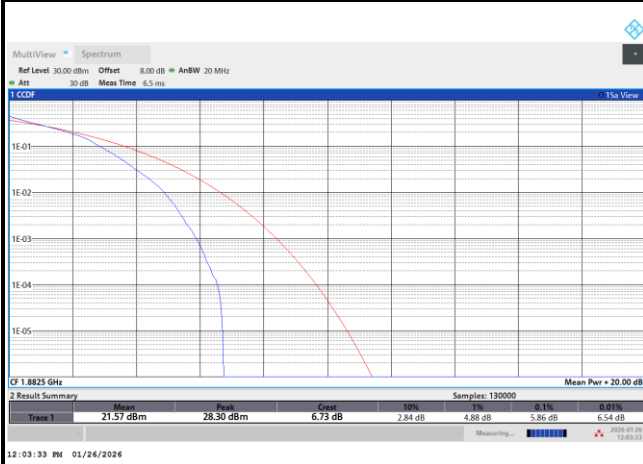
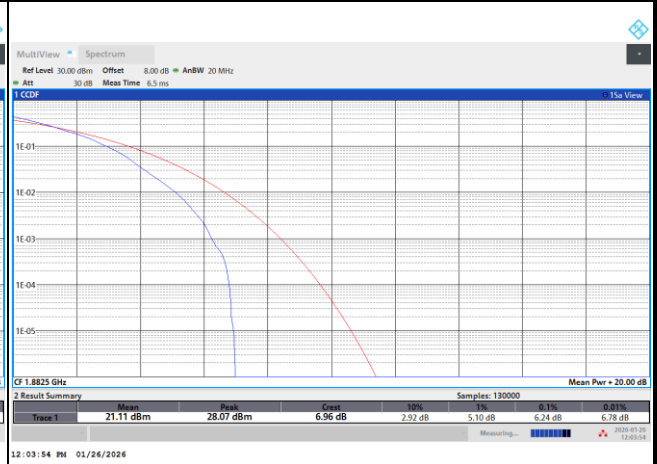
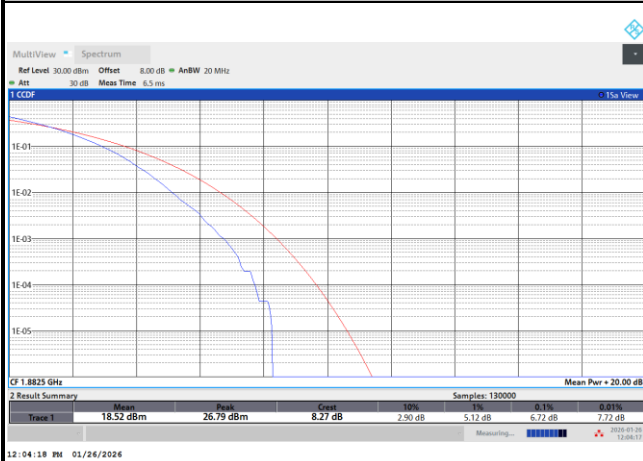
| Test Conditions     |                   | FR1 n25 (BPSK) / Middle Channel 10M |                                         |                                             |        |
|---------------------|-------------------|-------------------------------------|-----------------------------------------|---------------------------------------------|--------|
| 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    | 0.0025                              | 4.7                                     | Yes                                         | PASS   |
| 40                  | Normal Voltage    | 0.0000                              | 0                                       | Yes                                         |        |
| 30                  | Normal Voltage    | 0.0043                              | -8                                      | Yes                                         |        |
| 20(Ref.)            | Normal Voltage    | 0.0000                              | 0                                       | Yes                                         |        |
| 10                  | Normal Voltage    | 0.0029                              | -5.5                                    | Yes                                         |        |
| 0                   | Normal Voltage    | 0.0028                              | 5.3                                     | Yes                                         |        |
| -10                 | Normal Voltage    | 0.0012                              | 2.2                                     | Yes                                         |        |
| -20                 | Normal Voltage    | 0.0022                              | -4.2                                    | Yes                                         |        |
| -30                 | Normal Voltage    | 0.0026                              | 4.8                                     | Yes                                         |        |
| 20                  | Maximum Voltage   | 0.0055                              | 10.3                                    | Yes                                         |        |
| 20                  | Normal Voltage    | 0.0047                              | 8.9                                     | Yes                                         |        |
| 20                  | Minimum Voltage   | 0.0058                              | 10.9                                    | Yes                                         |        |

**Note:**

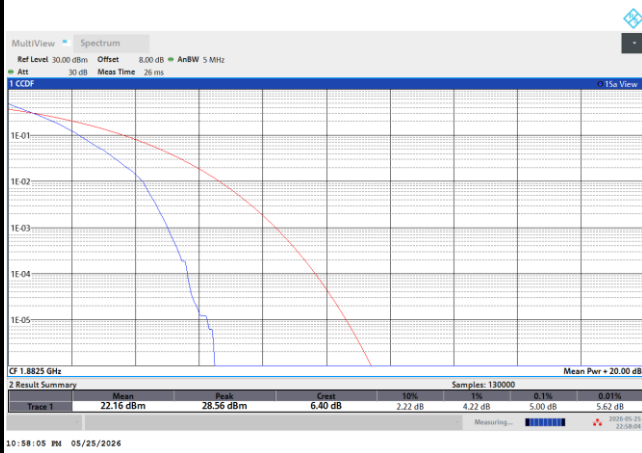
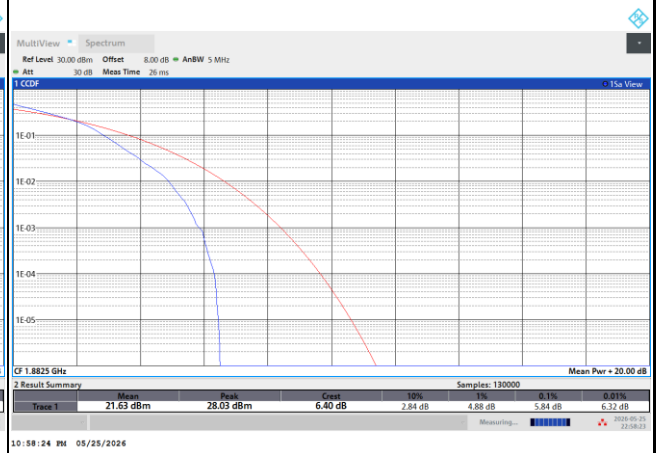
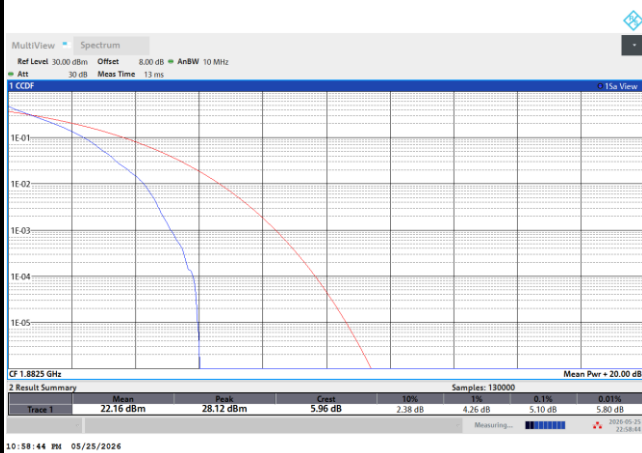
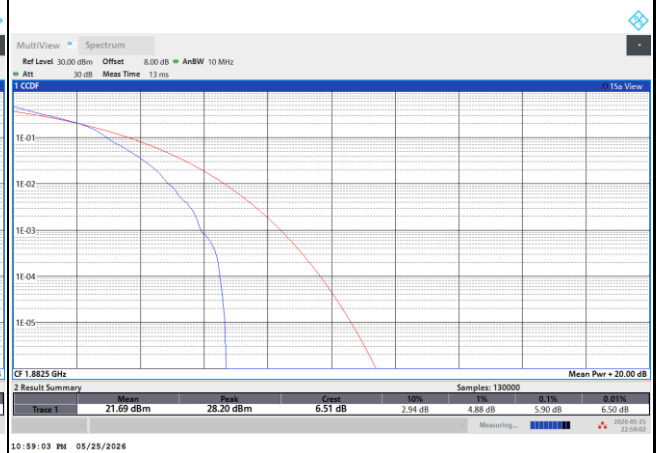
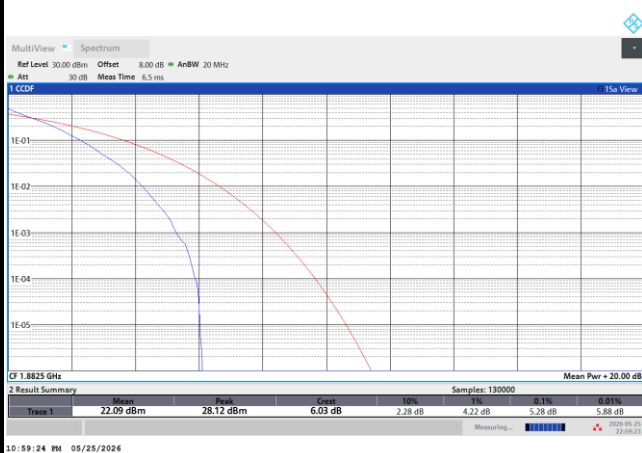
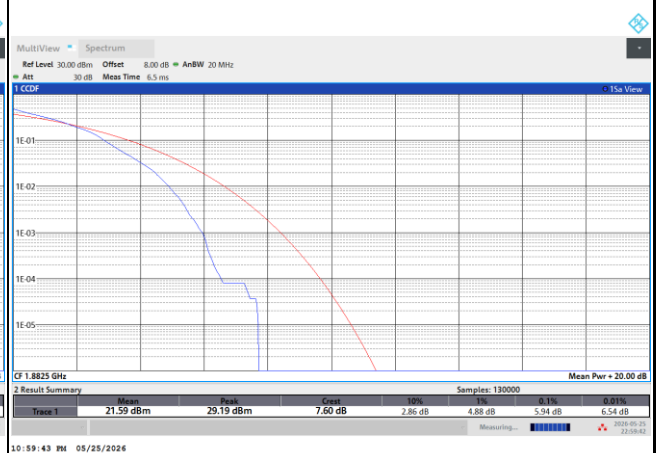
1. Normal Voltage = 3.9 V. ; Minimum Voltage = 3.6 V. ; Maximum Voltage = 4.4 V.
2. The frequency fundamental emissions stay within the authorized frequency block.
3. The frequency variation is sufficient to ensure that the occupied bandwidth of all operation channels stay within the operating frequency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

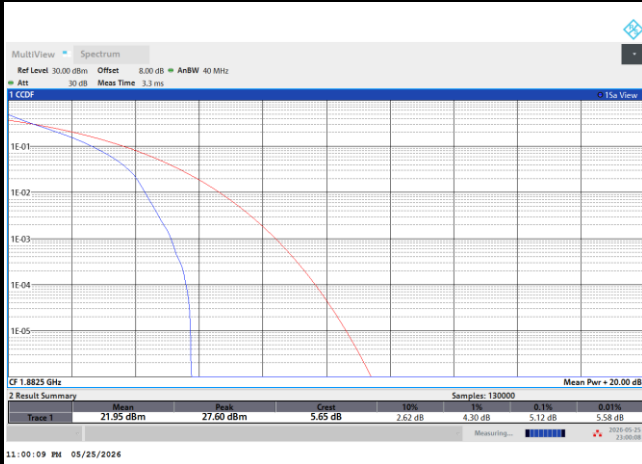
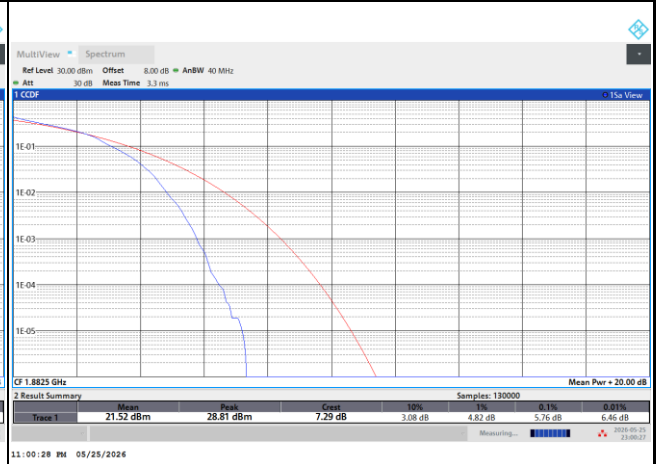
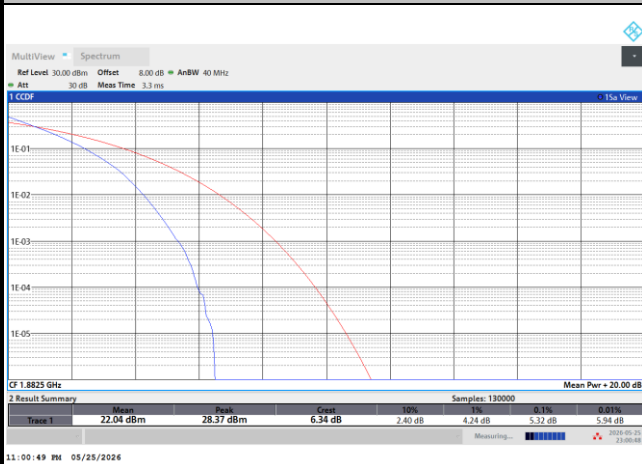
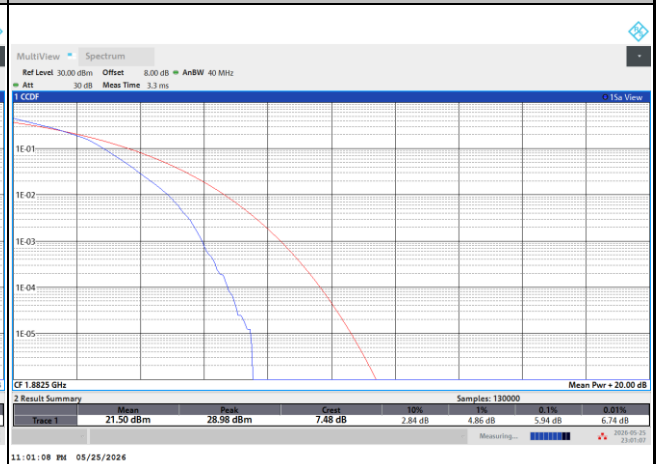
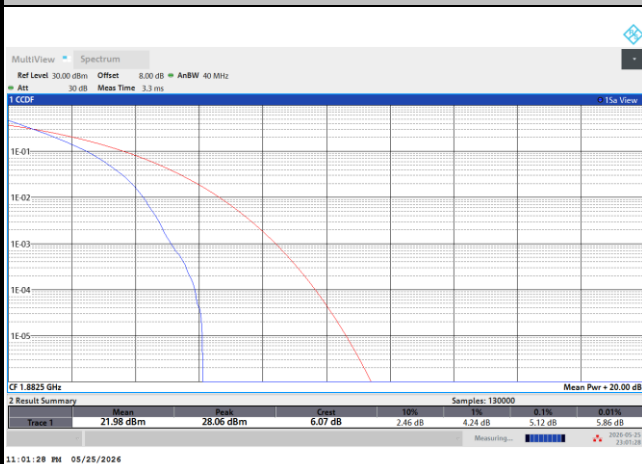
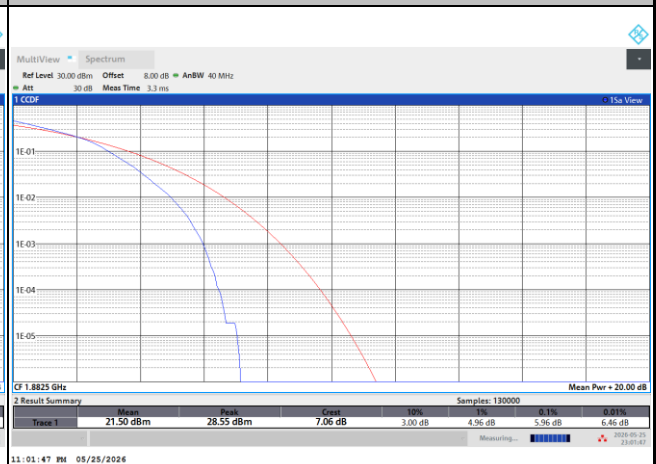
**FR1 n25****<TxD Mode>****MIMO <Ant. 2+1> (Ant. 1)****Peak-to-Average Ratio**

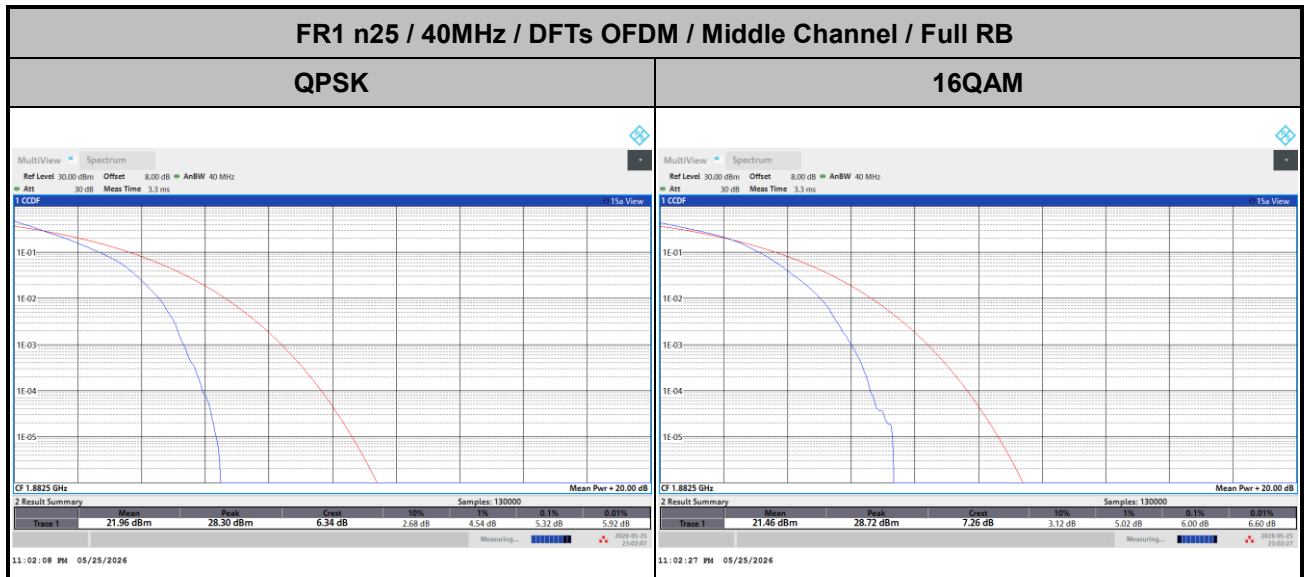
| Mode      | FR1 n25 / 20MHz / DFT-S OFDM |         |         |         |             |
|-----------|------------------------------|---------|---------|---------|-------------|
| Mod.      | PI/2 BPSK                    | QPSK    | 16QAM   | 64QAM   | Limit: 13dB |
| RB Size   | Full RB                      | Full RB | Full RB | Full RB | Result      |
| Middle CH | 4.02                         | 5.26    | 5.86    | 6.24    | <b>PASS</b> |
| Mode      | FR1 n25 / 20MHz / DFT-S OFDM |         |         |         |             |
| Mod.      | 256QAM                       |         |         |         | Limit: 13dB |
| RB Size   | Full RB                      |         |         |         | Result      |
| Middle CH | 6.72                         |         |         |         | <b>PASS</b> |

**FR1 n25 / 20MHz / DFT-S OFDM / Middle Channel / Full RB**
**PI/2 BPSK**

**QPSK**

**16QAM**

**64QAM**

**256QAM**


| Mode      | FR1 n25 / 5MHz / DFT-S OFDM  |         |             |
|-----------|------------------------------|---------|-------------|
| Mod.      | QPSK                         | 16QAM   | Limit: 13dB |
| RB Size   | Full RB                      | Full RB | Result      |
| Middle CH | 5.00                         | 5.84    | PASS        |
| Mode      | FR1 n25 / 10MHz / DFT-S OFDM |         |             |
| Mod.      | QPSK                         | 16QAM   | Limit: 13dB |
| RB Size   | Full RB                      | Full RB | Result      |
| Middle CH | 5.10                         | 5.90    | PASS        |
| Mode      | FR1 n25 / 15MHz / DFT-S OFDM |         |             |
| Mod.      | QPSK                         | 16QAM   | Limit: 13dB |
| RB Size   | Full RB                      | Full RB | Result      |
| Middle CH | 5.28                         | 5.94    | PASS        |
| Mode      | FR1 n25 / 25MHz / DFT-S OFDM |         |             |
| Mod.      | QPSK                         | 16QAM   | Limit: 13dB |
| RB Size   | Full RB                      | Full RB | Result      |
| Middle CH | 5.12                         | 5.76    | PASS        |
| Mode      | FR1 n25 / 30MHz / DFT-S OFDM |         |             |
| Mod.      | QPSK                         | 16QAM   | Limit: 13dB |
| RB Size   | Full RB                      | Full RB | Result      |
| Middle CH | 5.32                         | 5.94    | PASS        |
| Mode      | FR1 n25 / 35MHz / DFT-S OFDM |         |             |
| Mod.      | QPSK                         | 16QAM   | Limit: 13dB |
| RB Size   | Full RB                      | Full RB | Result      |
| Middle CH | 5.12                         | 5.96    | PASS        |
| Mode      | FR1 n25 / 40MHz / DFT-S OFDM |         |             |
| Mod.      | QPSK                         | 16QAM   | Limit: 13dB |
| RB Size   | Full RB                      | Full RB | Result      |
| Middle CH | 5.32                         | 6.00    | PASS        |

**FR1 n25 / 5MHz / DFTs OFDM / Middle Channel / Full RB**
**QPSK**

**16QAM**

**FR1 n25 / 10MHz / DFTs OFDM / Middle Channel / Full RB**
**QPSK**

**16QAM**

**FR1 n25 / 15MHz / DFTs OFDM / Middle Channel / Full RB**
**QPSK**

**16QAM**


**FR1 n25 / 25MHz / DFTs OFDM / Middle Channel / Full RB**
**QPSK**

**16QAM**

**FR1 n25 / 30MHz / DFTs OFDM / Middle Channel / Full RB**
**QPSK**

**16QAM**

**FR1 n25 / 35MHz / DFTs OFDM / Middle Channel / Full RB**
**QPSK**

**16QAM**




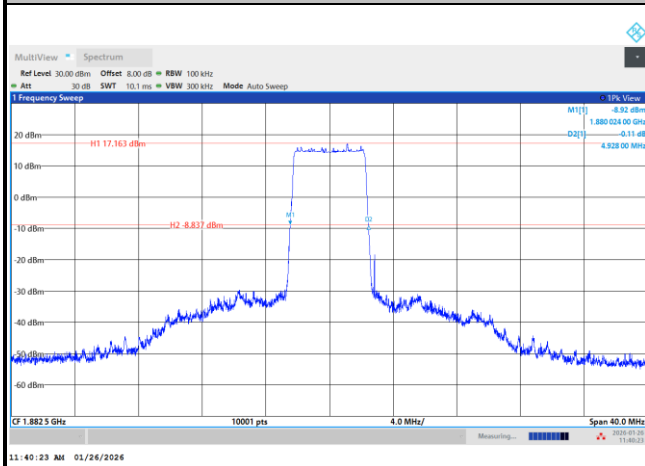
**26dB Bandwidth**

| Mode      | FR1 n25 : 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                                | 4.93  | 9.59      | 9.58  | 14.21     | 14.29 | 19.17     | 19.20 |
| Mod.      | 16QAM                               |       | 16QAM     |       | 16QAM     |       | 16QAM     |       |
| Middle CH | 4.88                                |       | 9.56      |       | 14.31     |       | 19.20     |       |
| BW        | 25MHz                               |       | 30MHz     |       | 35MHz     |       | 40MHz     |       |
| Mod.      | PI/2 BPSK                           | QPSK  | PI/2 BPSK | QPSK  | PI/2 BPSK | QPSK  | PI/2 BPSK | QPSK  |
| Middle CH | 24.37                               | 24.20 | 30.91     | 31.32 | 34.51     | 37.19 | 40.97     | 41.25 |
| Mod.      | 16QAM                               |       | 16QAM     |       | 16QAM     |       | 16QAM     |       |
| Middle CH | 24.25                               |       | 31.11     |       | 34.60     |       | 41.08     |       |

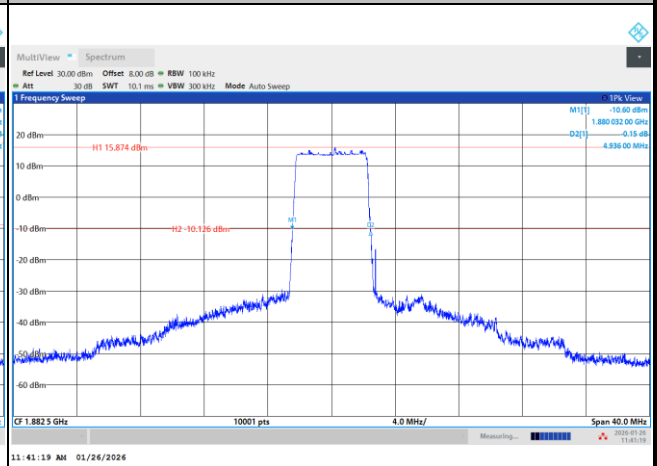


FR1 n25 / 5MHz / DFT-S OFDM / Middle Channel / Full RB

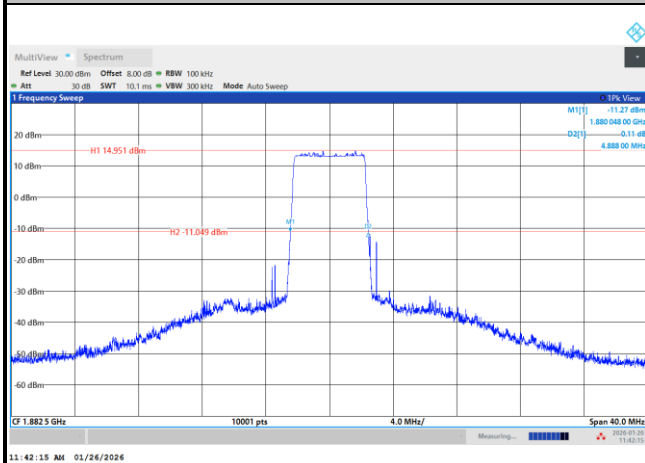
PI/2 BPSK



QPSK



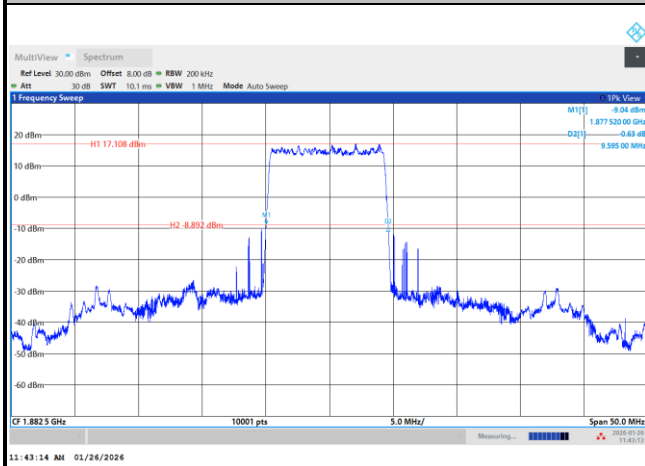
16QAM



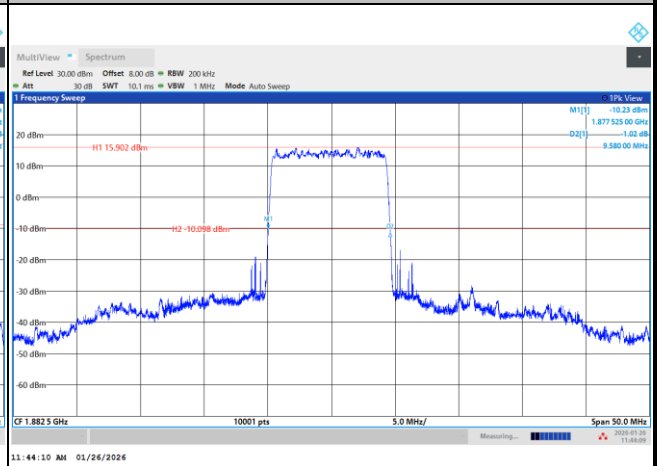


FR1 n25 / 10MHz / DFT-S OFDM / Middle Channel / Full RB

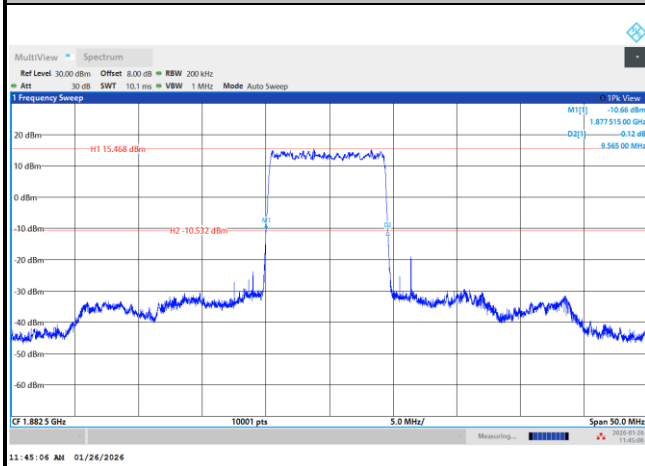
PI/2 BPSK



QPSK



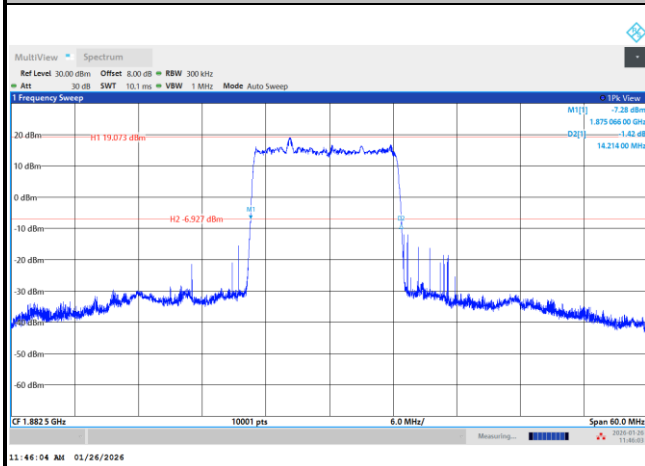
16QAM



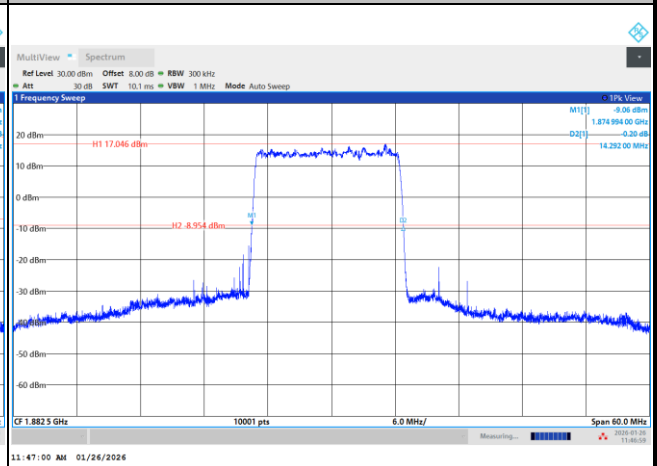


FR1 n25 / 15MHz / DFT-S OFDM / Middle Channel / Full RB

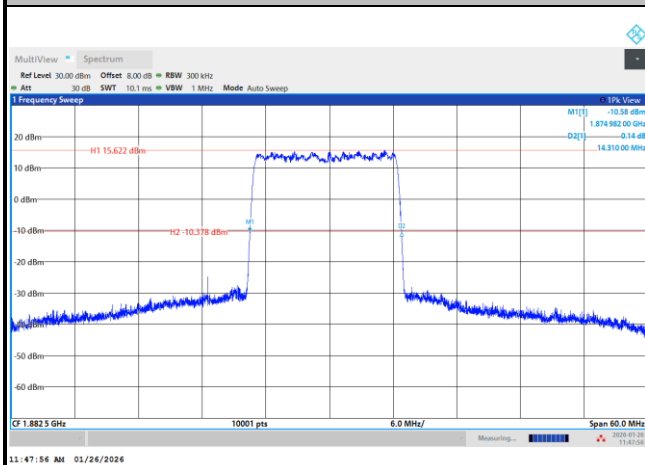
QPSK



QPSK



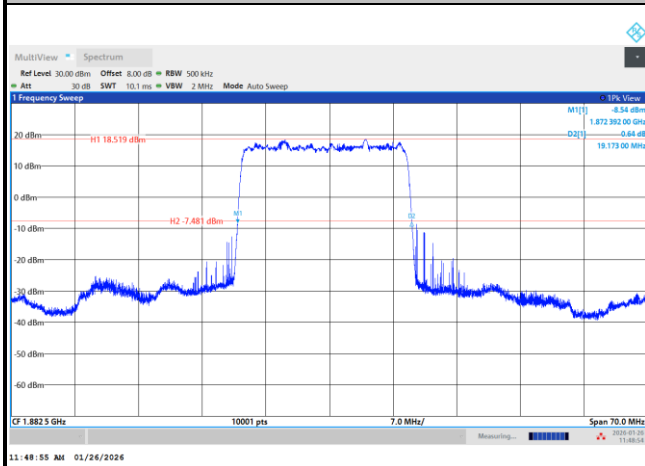
16QAM



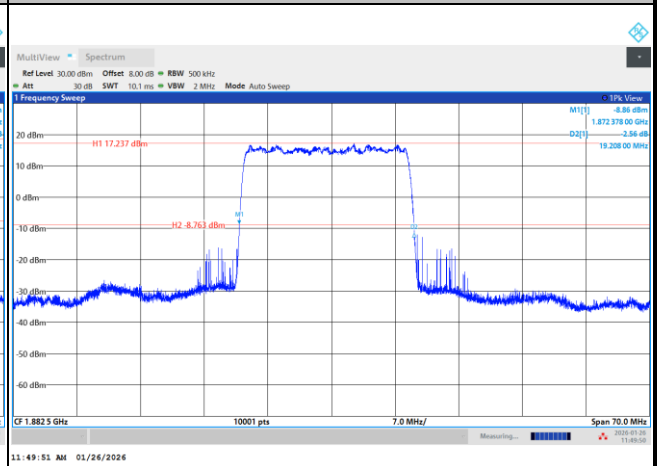


FR1 n25 / 20MHz / DFT-S OFDM / Middle Channel / Full RB

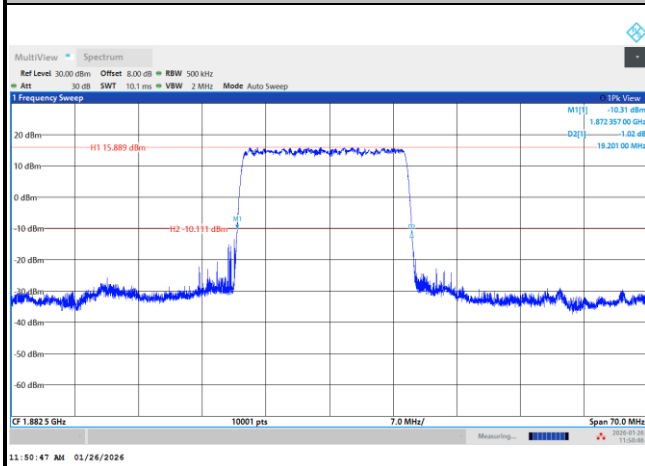
PI/2 BPSK



QPSK



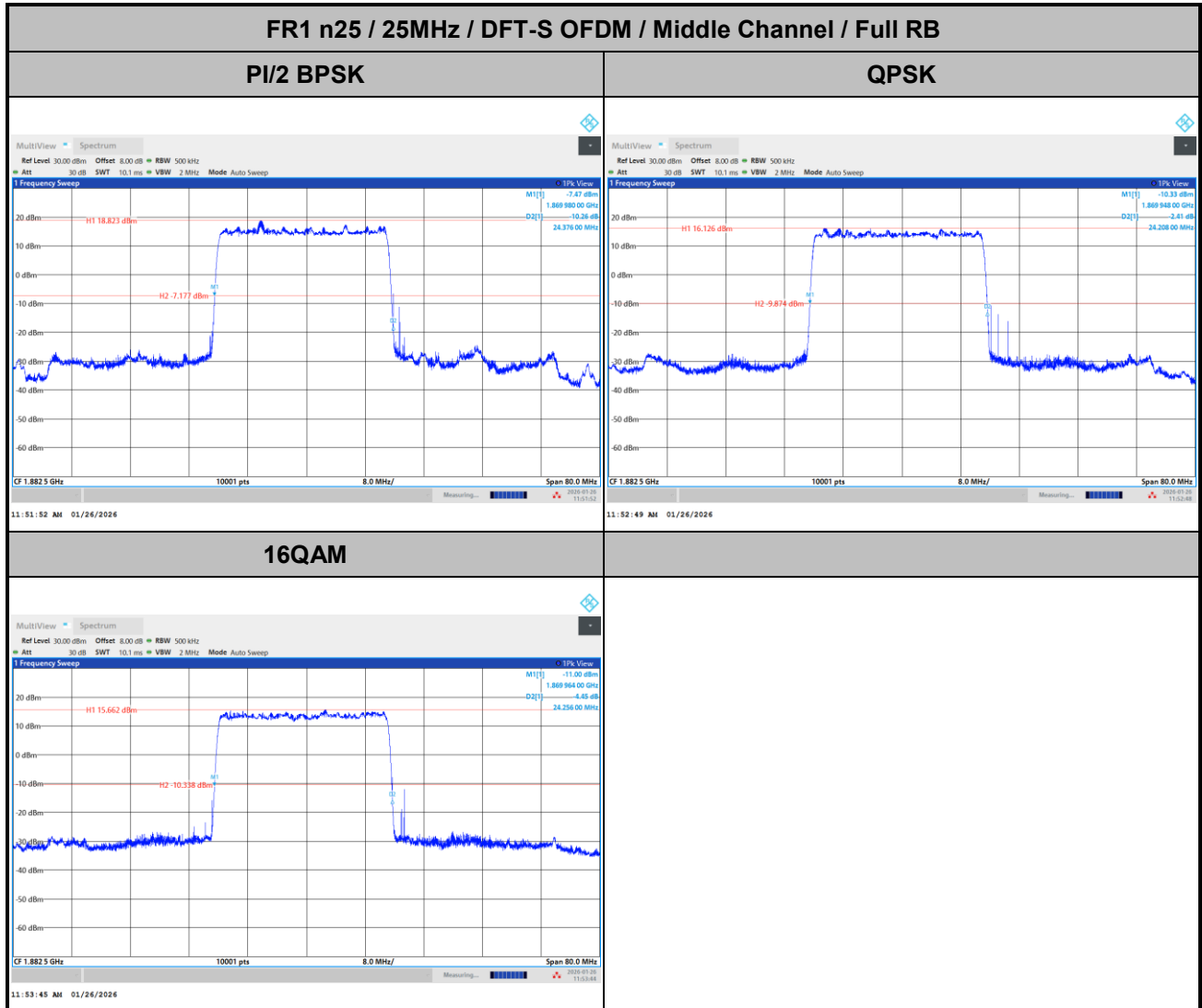
16QAM





# FCC RADIO TEST REPORT

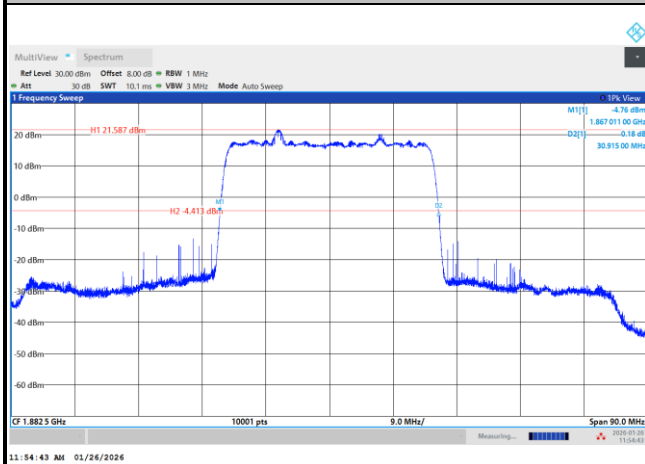
**Report No. : FG5N0803-01L**



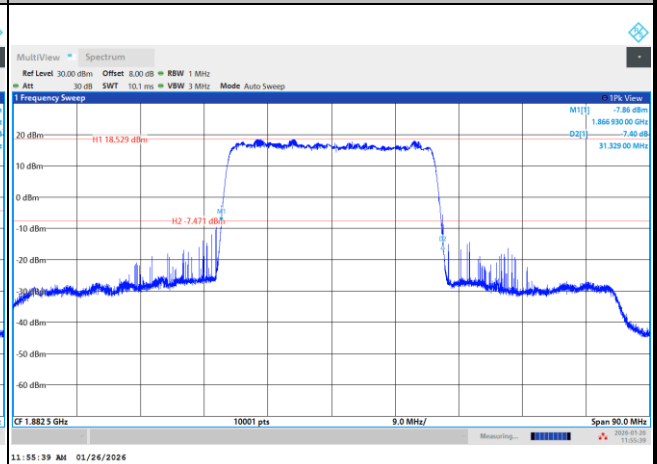


FR1 n25 / 30MHz / DFT-S OFDM / Middle Channel / Full RB

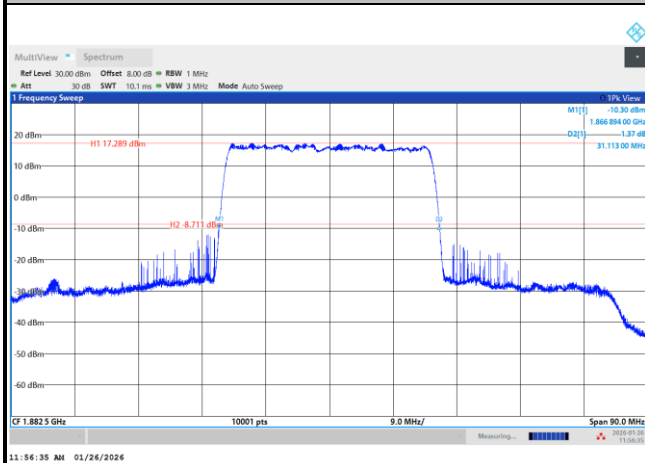
PI/2 BPSK



QPSK



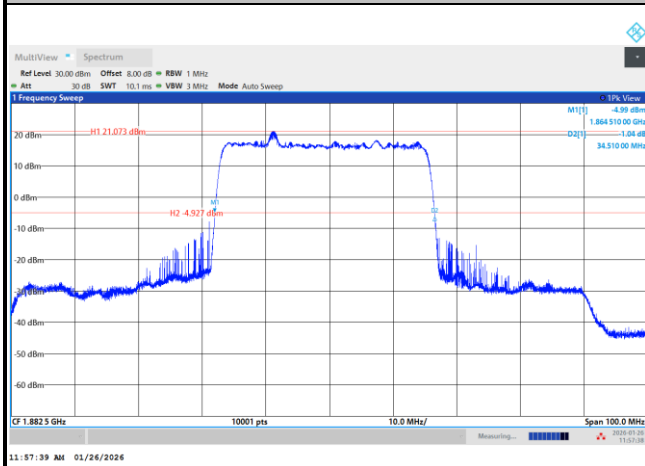
16QAM



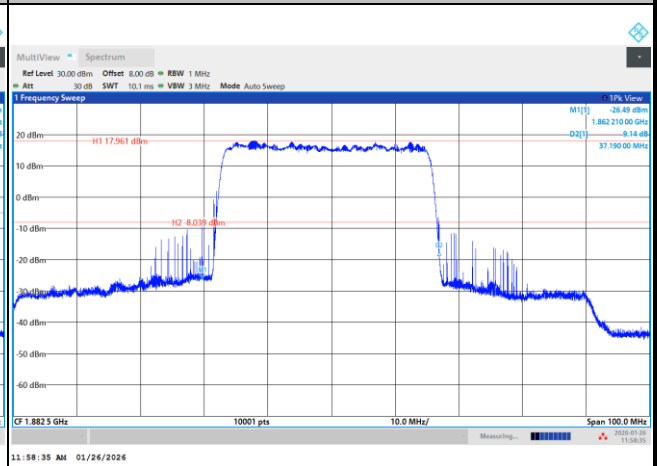


FR1 n25 / 35MHz / DFT-S OFDM / Middle Channel / Full RB

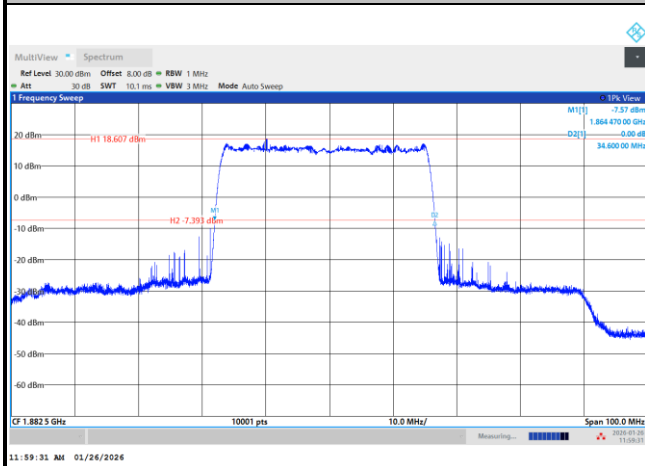
PI/2 BPSK



QPSK



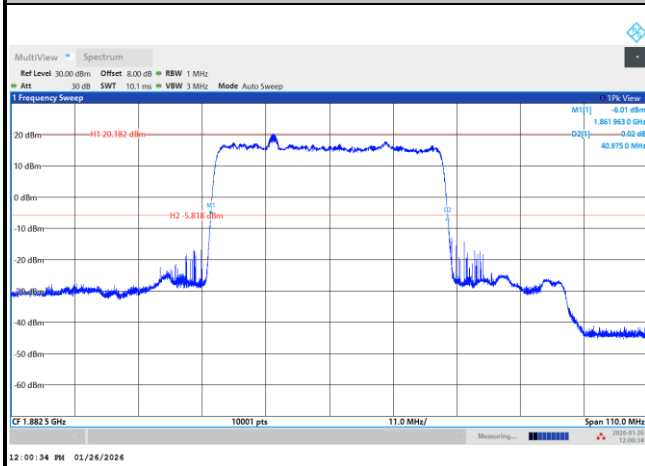
16QAM



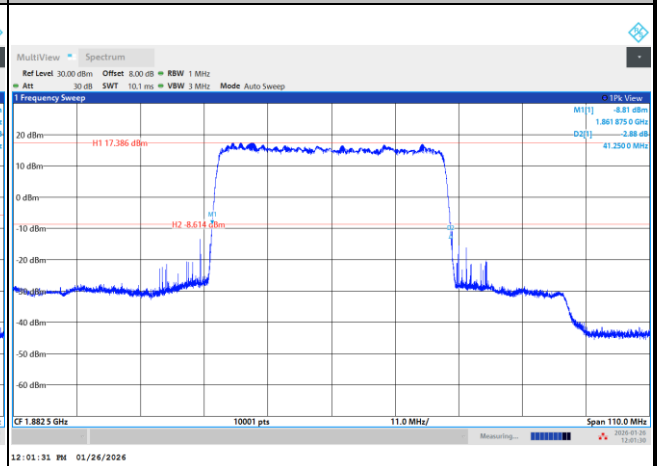


FR1 n25 / 40MHz / DFT-S OFDM / Middle Channel / Full RB

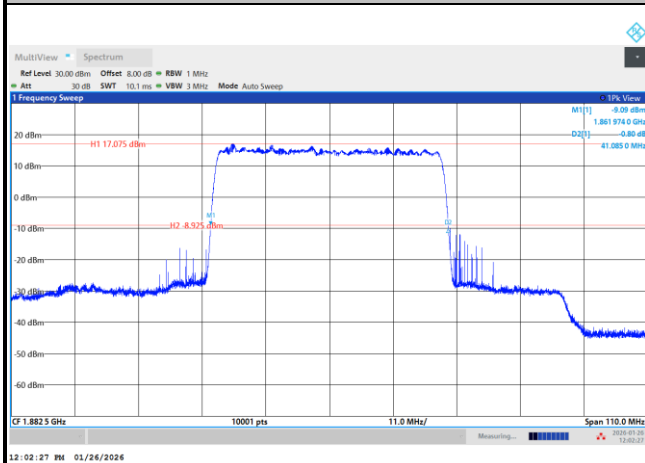
PI/2 BPSK



QPSK



16QAM



**Occupied Bandwidth**

| Mode      | FR1 n25 : 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  | 8.99      | 8.97  | 13.44     | 13.46 | 18.02     | 18.01 |
| Mod.      | 16QAM                              |       | 16QAM     |       | 16QAM     |       | 16QAM     |       |
| Middle CH | 4.48                               |       | 8.99      |       | 13.43     |       | 17.97     |       |
| BW        | 25MHz                              |       | 30MHz     |       | 35MHz     |       | 40MHz     |       |
| Mod.      | PI/2 BPSK                          | QPSK  | PI/2 BPSK | QPSK  | PI/2 BPSK | QPSK  | PI/2 BPSK | QPSK  |
| Middle CH | 22.86                              | 22.94 | 28.93     | 28.91 | 32.40     | 32.41 | 38.74     | 38.73 |
| Mod.      | 16QAM                              |       | 16QAM     |       | 16QAM     |       | 16QAM     |       |
| Middle CH | 22.94                              |       | 28.92     |       | 32.49     |       | 38.75     |       |



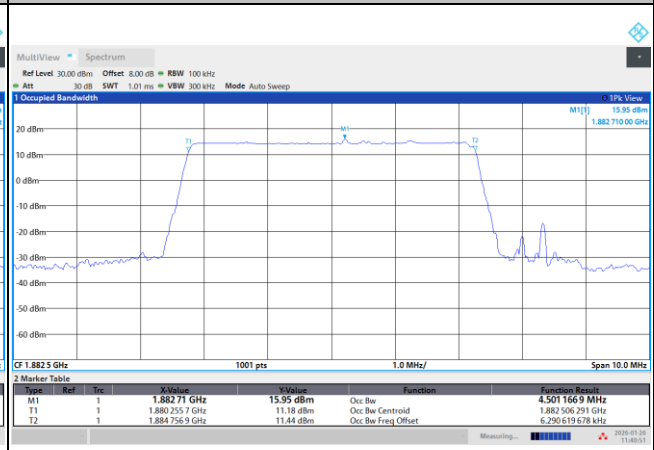
## FR1 n25 / 5MHz / DFT-S OFDM / Middle Channel / Full RB

## PI/2 BPSK



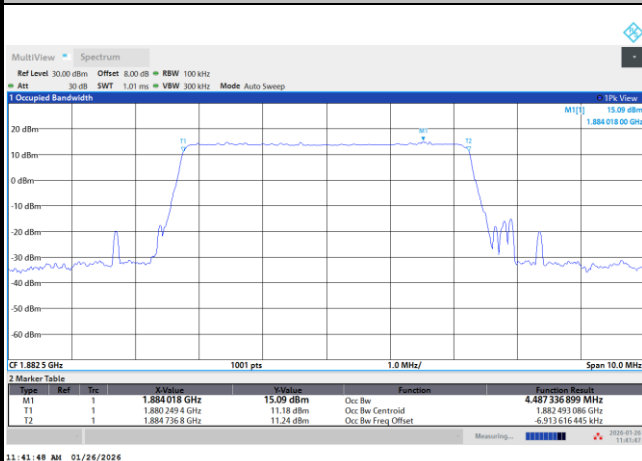
11:39:55 AM 01/26/2026

## QPSK



11:40:52 AM 01/26/2026

## 16QAM



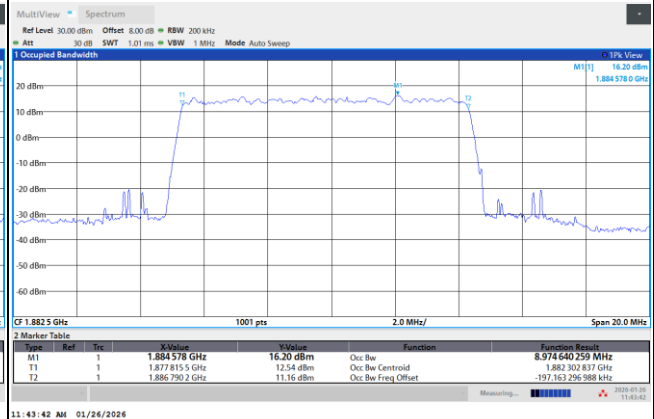
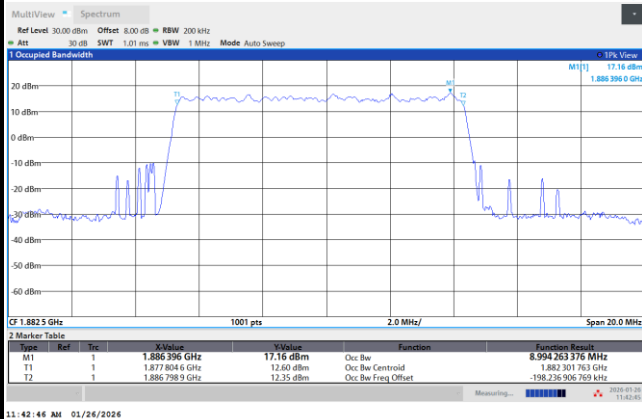
11:41:48 AM 01/26/2026



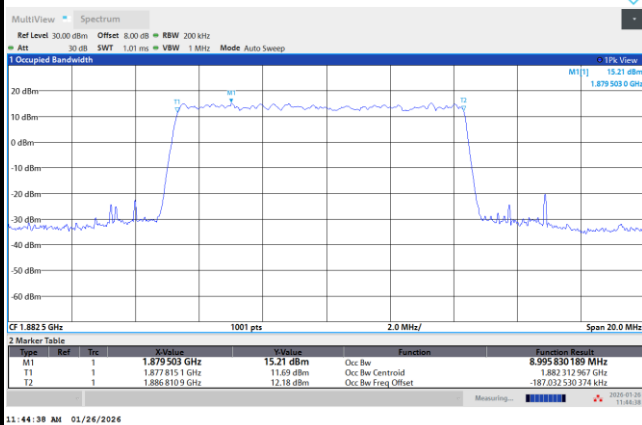
## FR1 n25 / 10MHz / DFT-S OFDM / Middle Channel / Full RB

## PI/2 BPSK

## QPSK



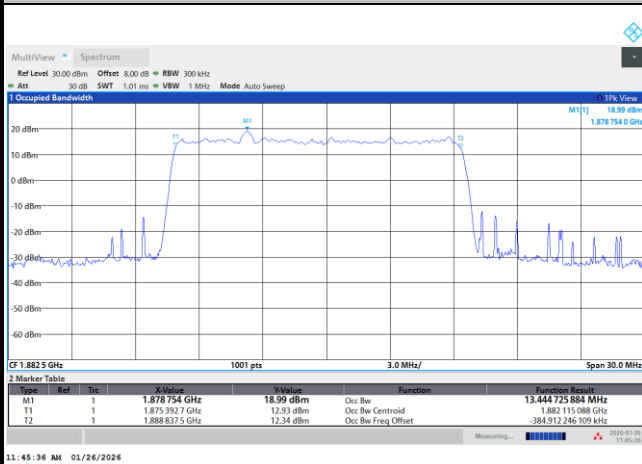
## 16QAM





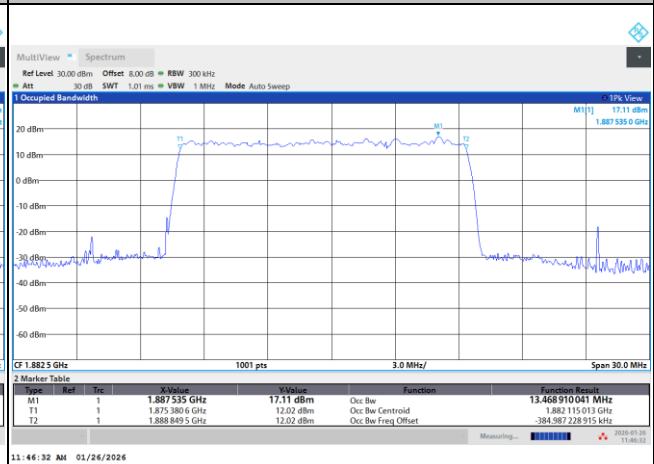
## FR1 n25 / 15MHz / DFT-S OFDM / Middle Channel / Full RB

## QPSK



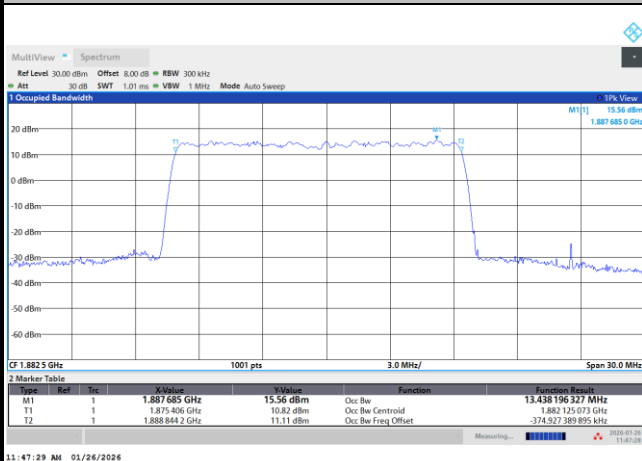
11:45:36 AM 01/26/2026

## QPSK



11:46:32 AM 01/26/2026

## 16QAM

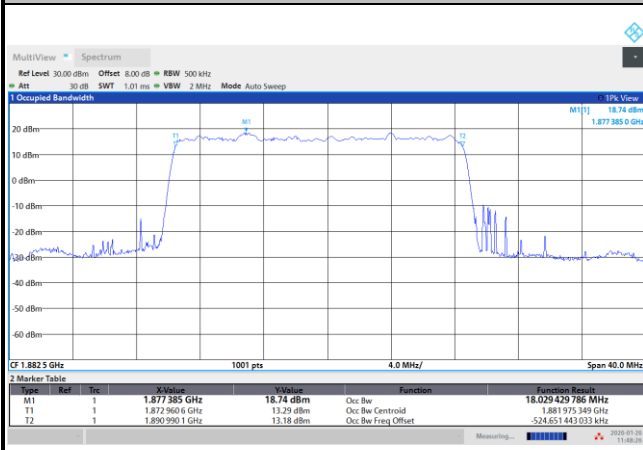


11:47:29 AM 01/26/2026

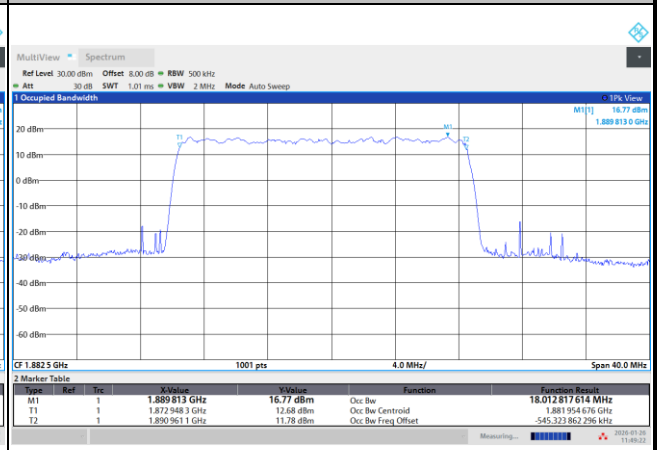


## FR1 n25 / 20MHz / DFT-S OFDM / Middle Channel / Full RB

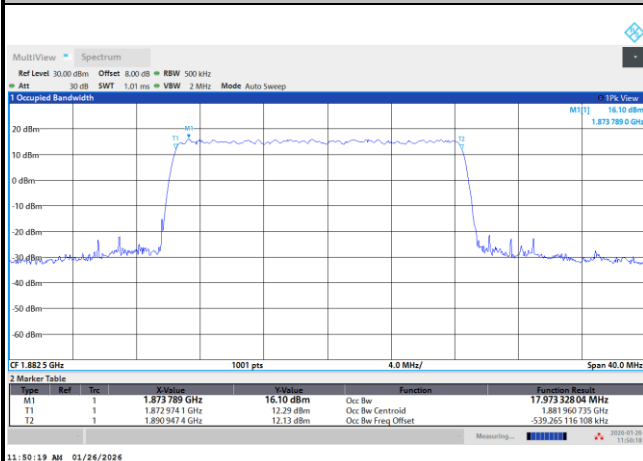
## PI/2 BPSK



## QPSK



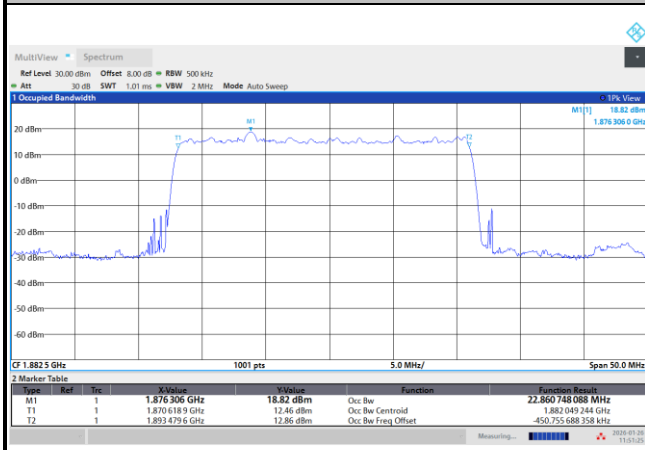
## 16QAM





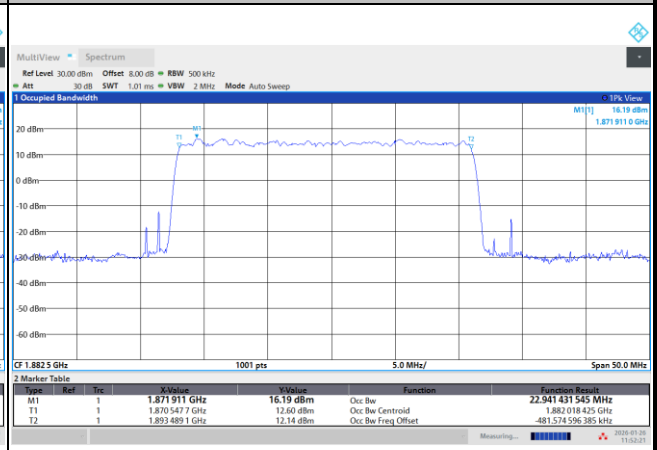
## FR1 n25 / 25MHz / DFT-S OFDM / Middle Channel / Full RB

## PI/2 BPSK



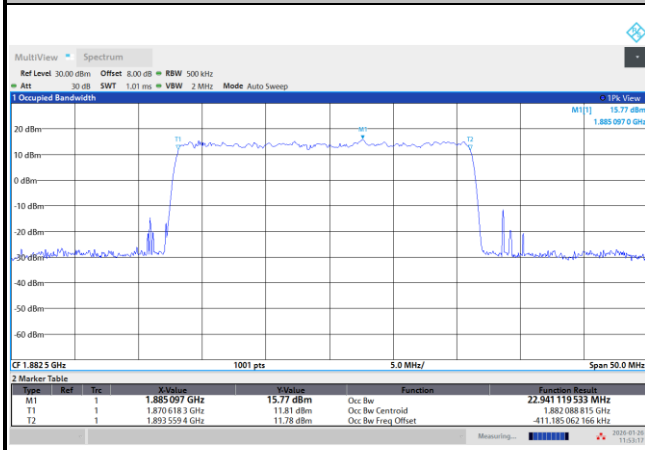
11:51:25 AM 01/26/2026

## QPSK



11:52:21 AM 01/26/2026

## 16QAM

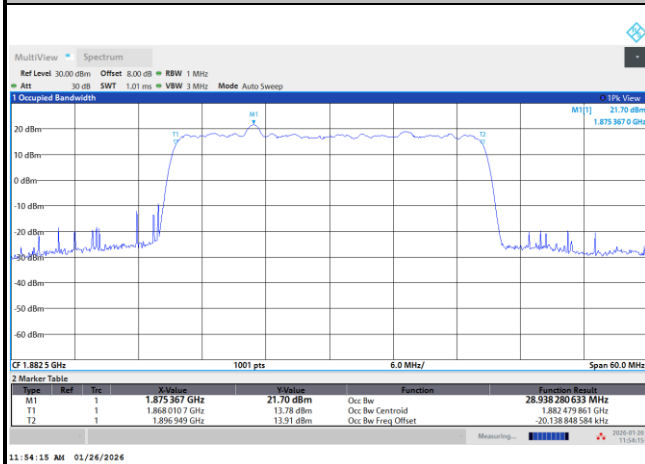


11:53:17 AM 01/26/2026



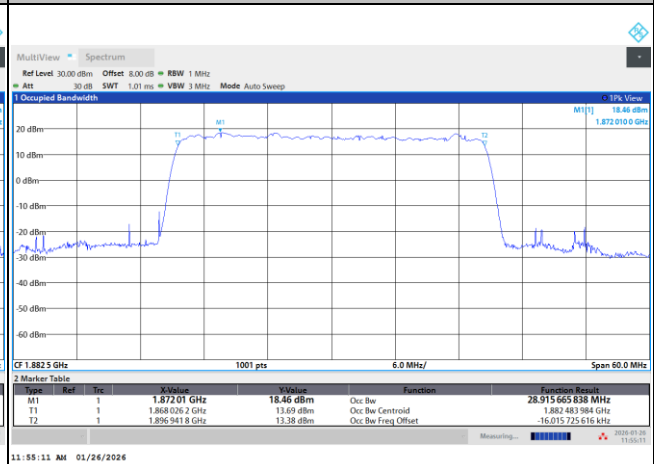
## FR1 n25 / 30MHz / DFT-S OFDM / Middle Channel / Full RB

## PI/2 BPSK



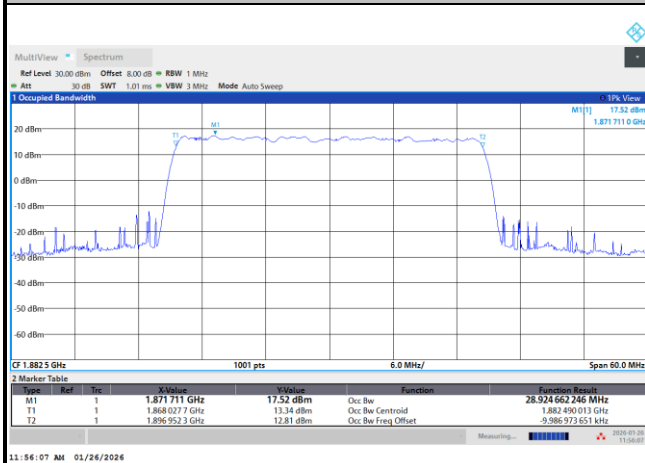
11:54:15 AM 01/26/2026

## QPSK



11:55:11 AM 01/26/2026

## 16QAM



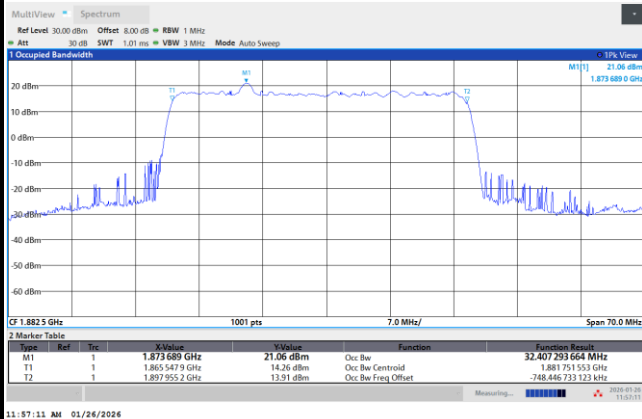
11:56:07 AM 01/26/2026



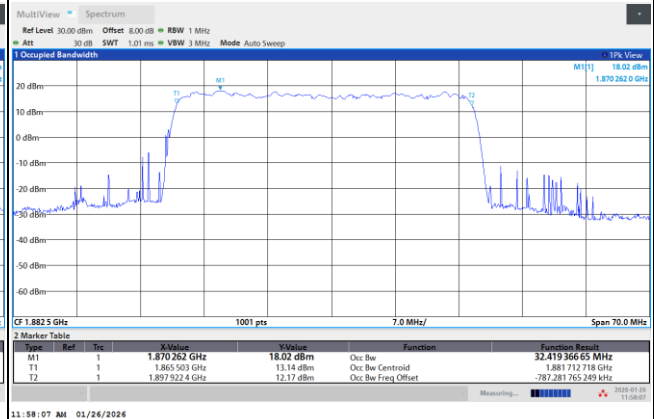
## FR1 n25 / 35MHz / DFT-S OFDM / Middle Channel / Full RB

## PI/2 BPSK

## QPSK

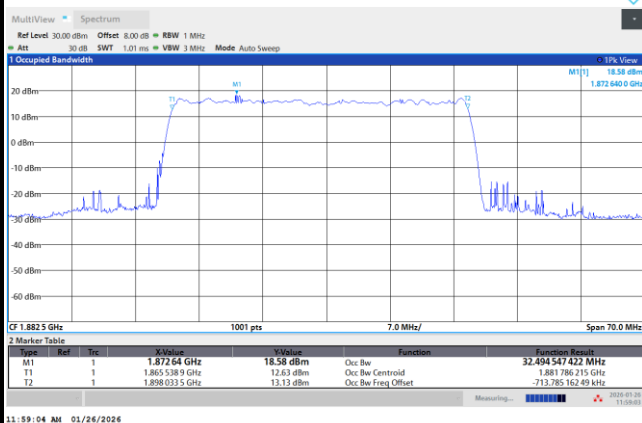


11:57:11 AM 01/26/2026



11:58:07 AM 01/26/2026

## 16QAM

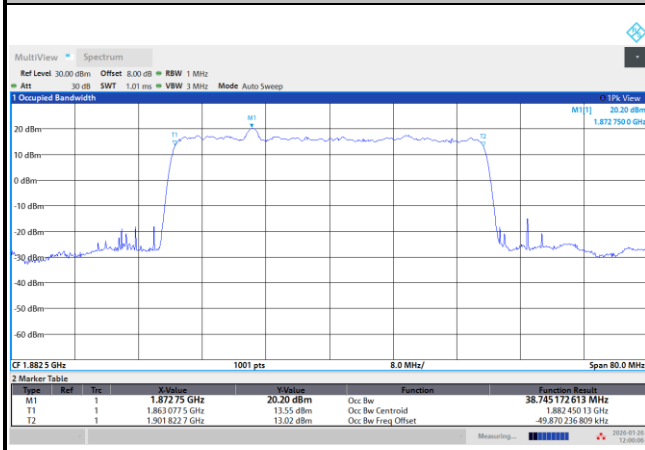


11:59:04 AM 01/26/2026

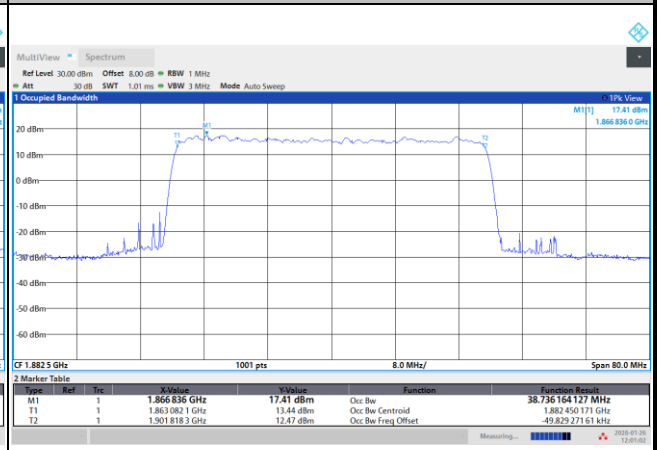


## FR1 n25 / 40MHz / DFT-S OFDM / Middle Channel / Full RB

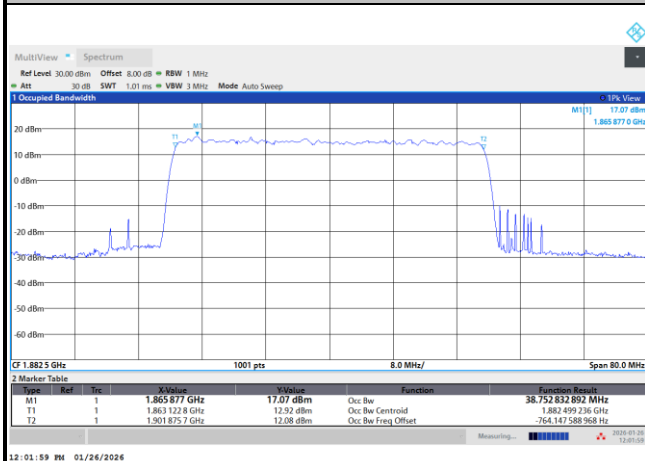
## PI/2 BPSK



## QPSK



## 16QAM



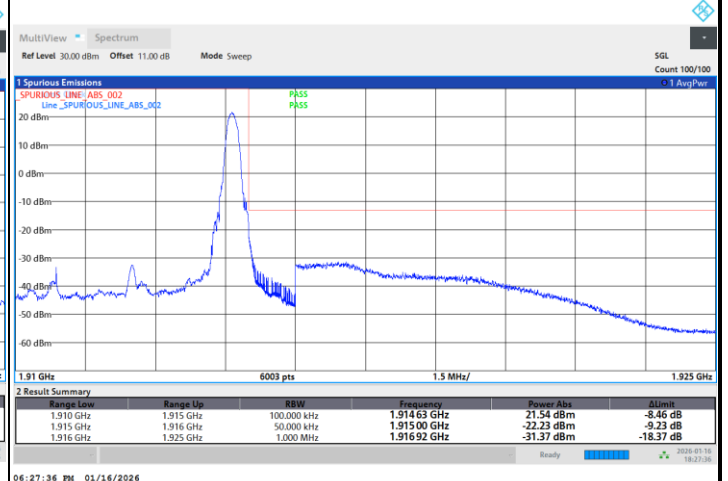
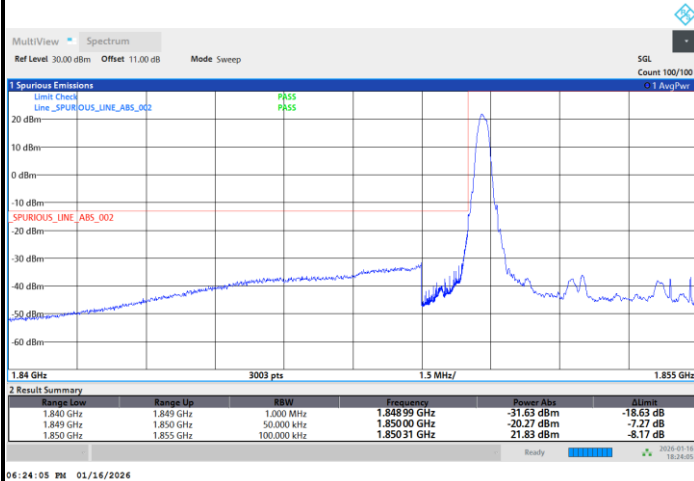


# Conducted Band Edge

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

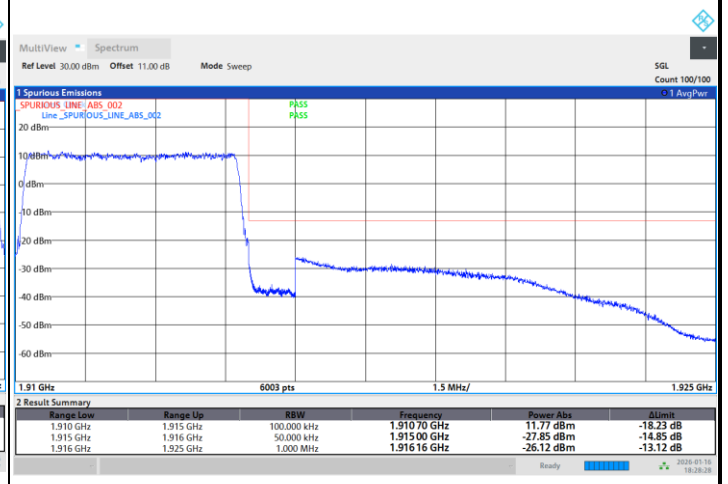
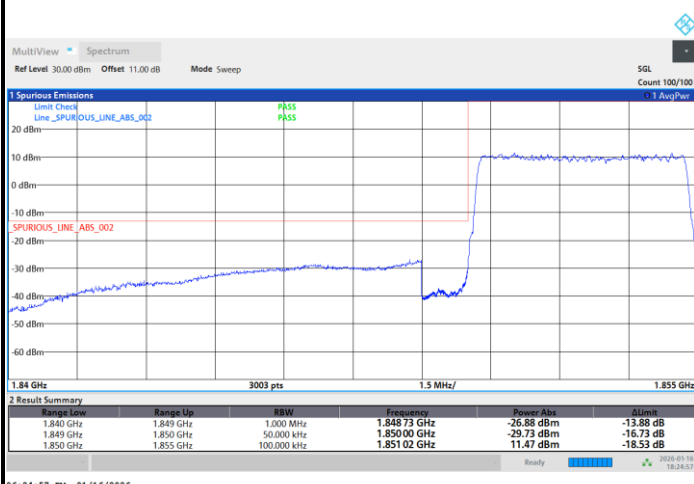
Lowest Band Edge / 1RB0

Highest Band Edge / 1RBmax



Lowest Band Edge / Full RB

Highest Band Edge / Full RB

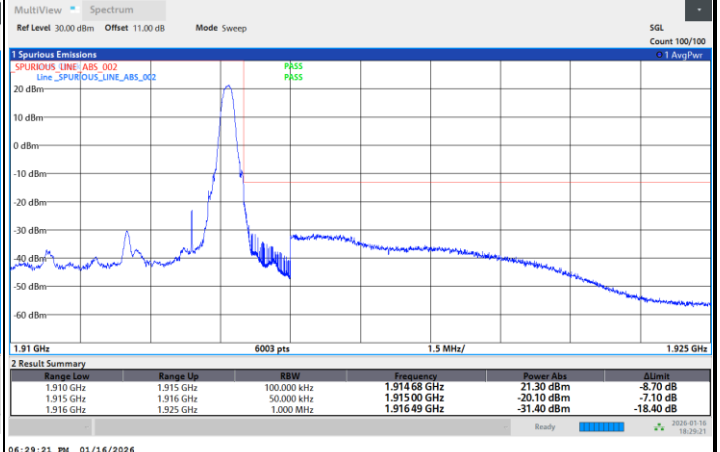
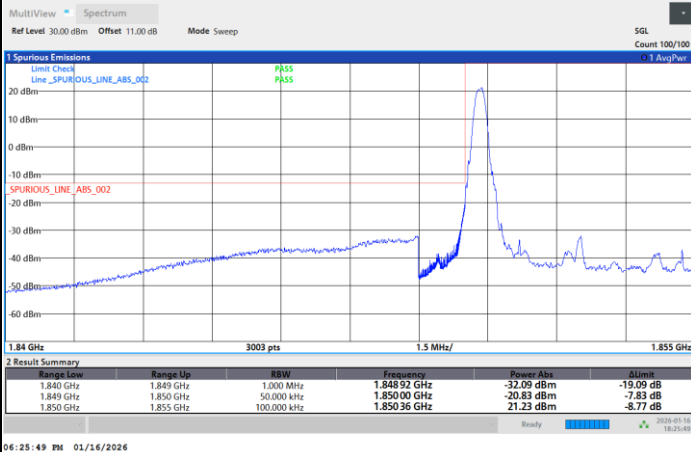




## FR1 n25 / 5MHz / DFT-S OFDM / QPSK

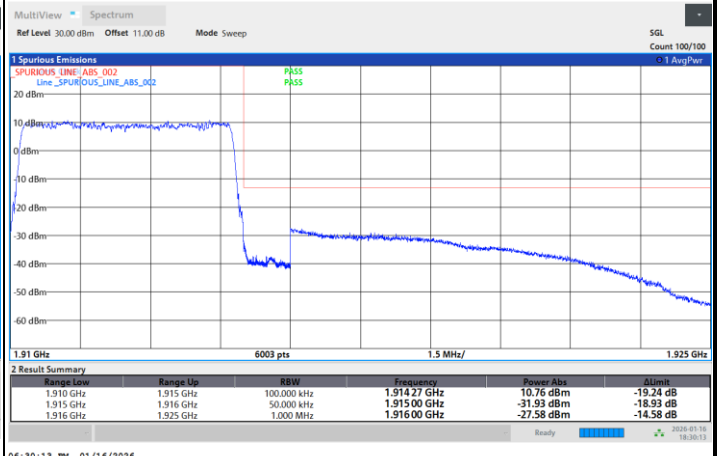
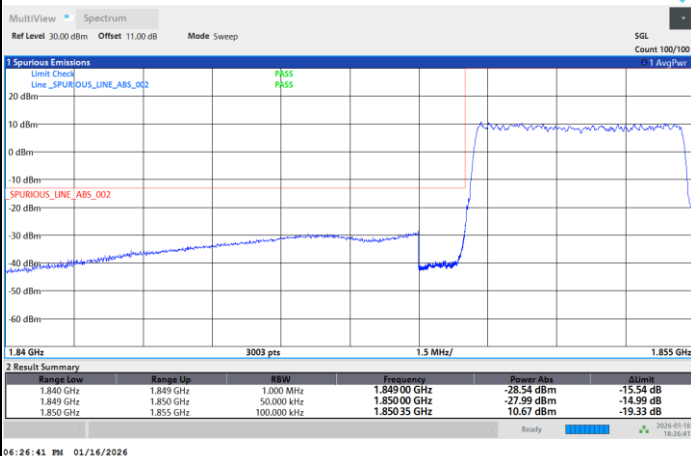
## Lowest Band Edge / 1RB0

## Highest Band Edge / 1RBmax



## Lowest Band Edge / Full RB

## Highest Band Edge / Full RB

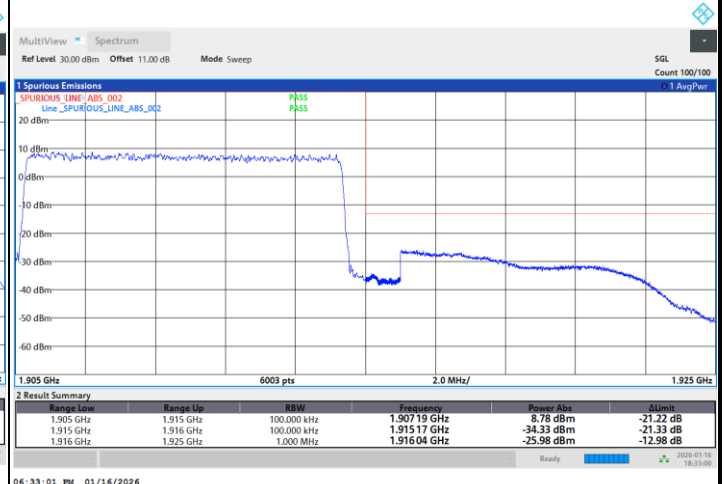
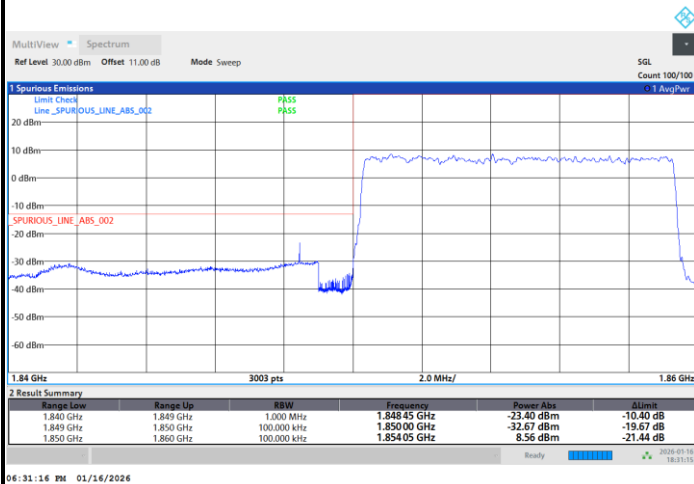




## FR1 n77 / 10MHz / DFT-S OFDM / PI/2 BPSK

## Lowest Band Edge / Full RB

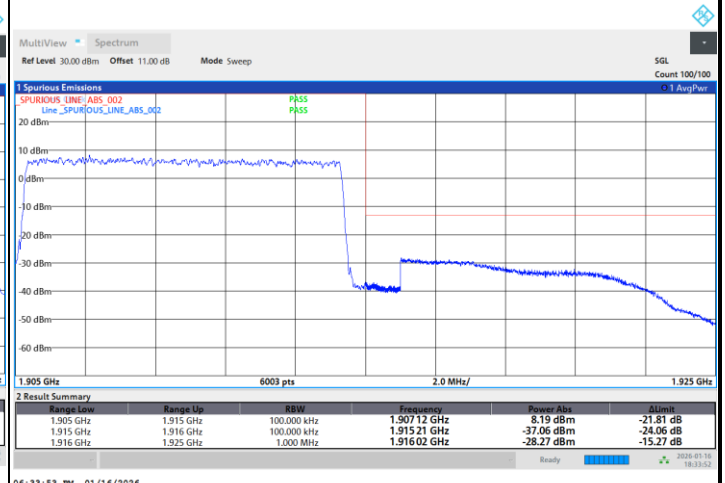
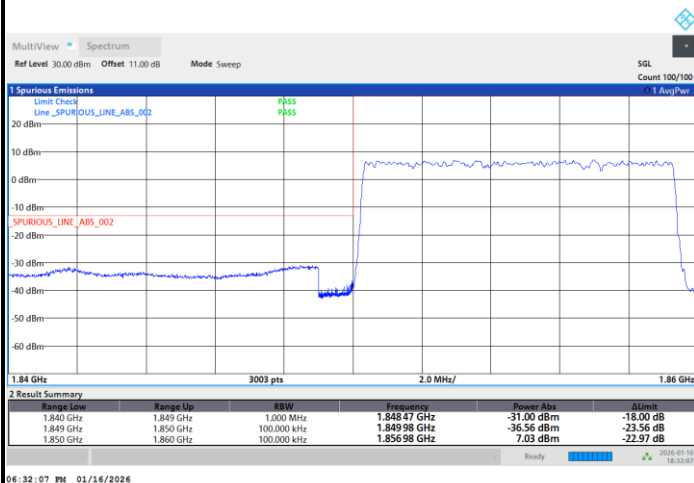
## Highest Band Edge / Full RB



## FR1 n77 / 10MHz / DFT-S OFDM / QPSK

## Lowest Band Edge / Full RB

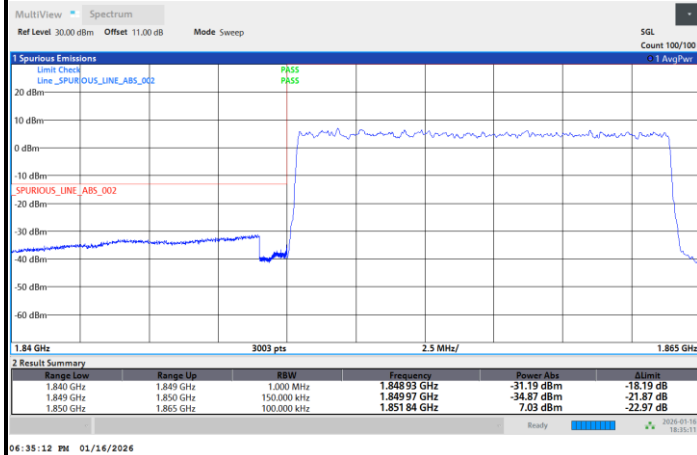
## Highest Band Edge / Full RB



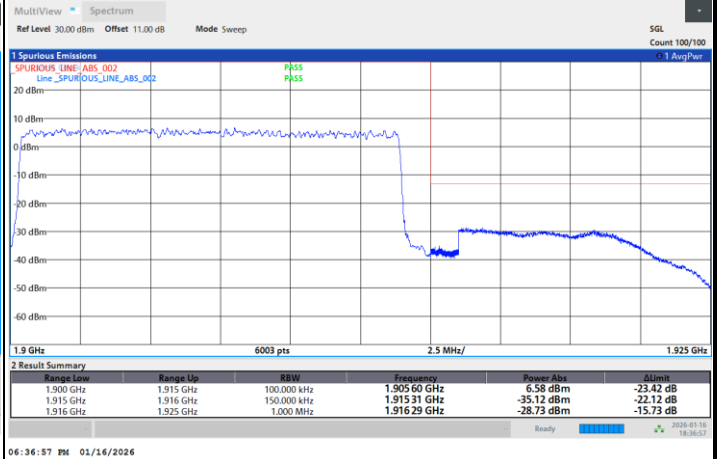


## FR1 n77 / 15MHz / DFT-S OFDM / PI/2 BPSK

## Lowest Band Edge / Full RB

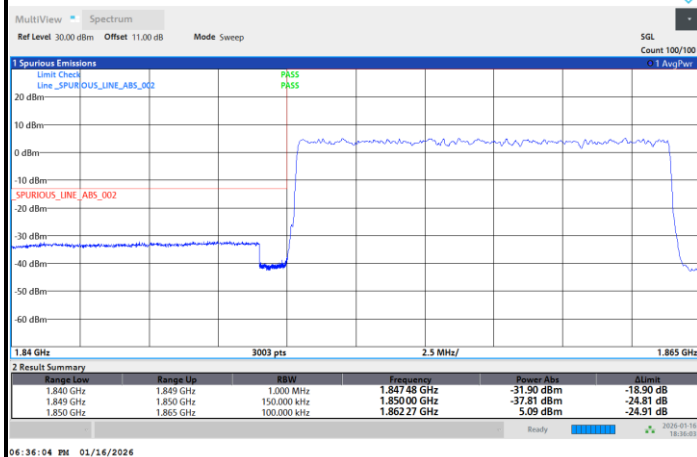


## Highest Band Edge / Full RB

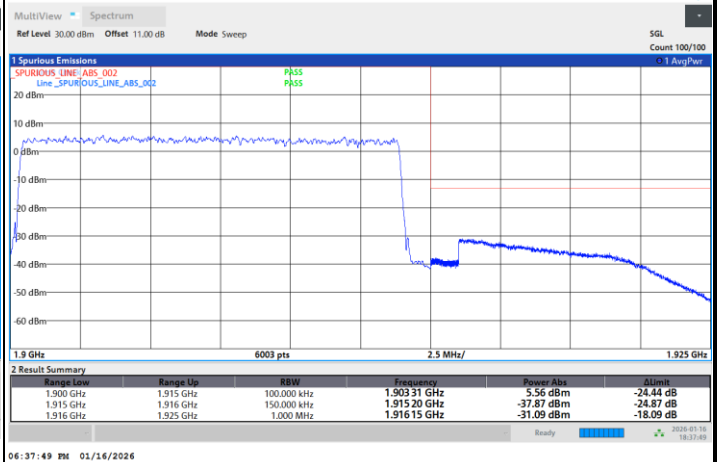


## FR1 n77 / 15MHz / DFT-S OFDM / QPSK

## Lowest Band Edge / Full RB



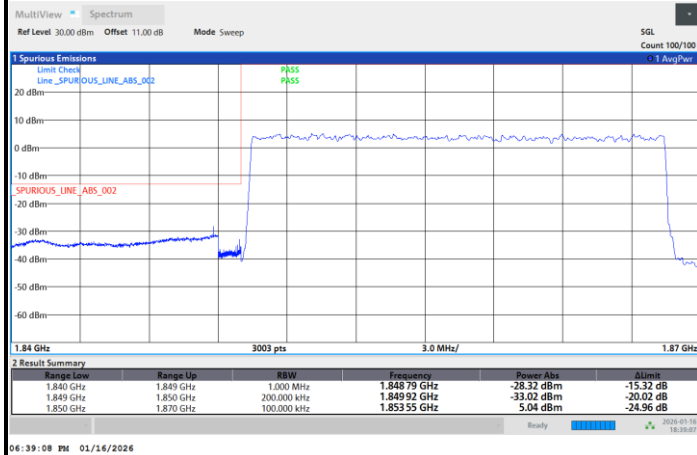
## Highest Band Edge / Full RB



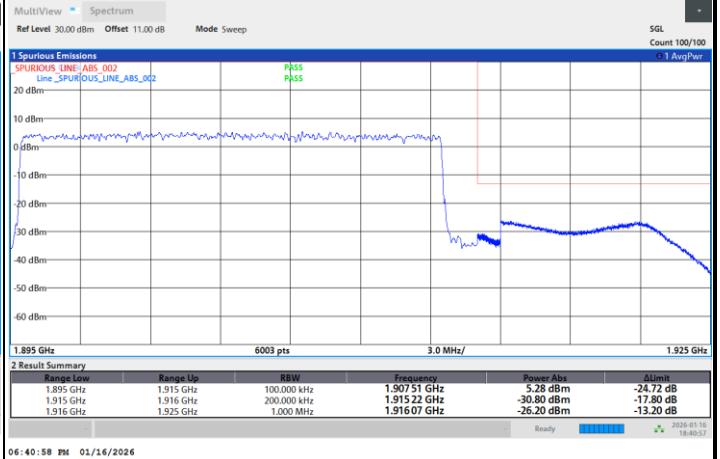


## FR1 n77 / 20MHz / DFT-S OFDM / PI/2 BPSK

## Lowest Band Edge / Full RB

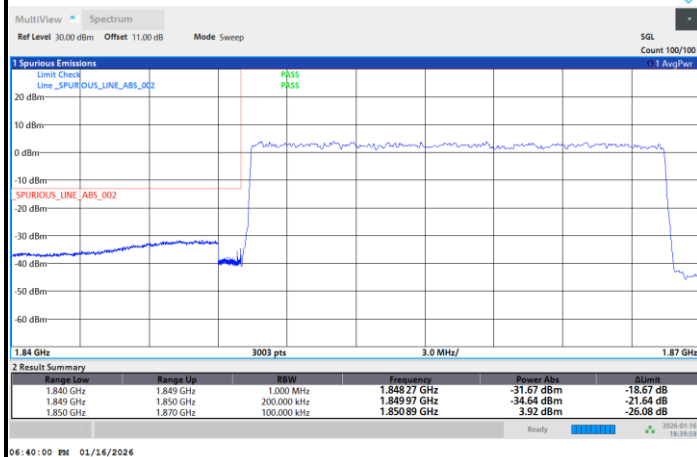


## Highest Band Edge / Full RB

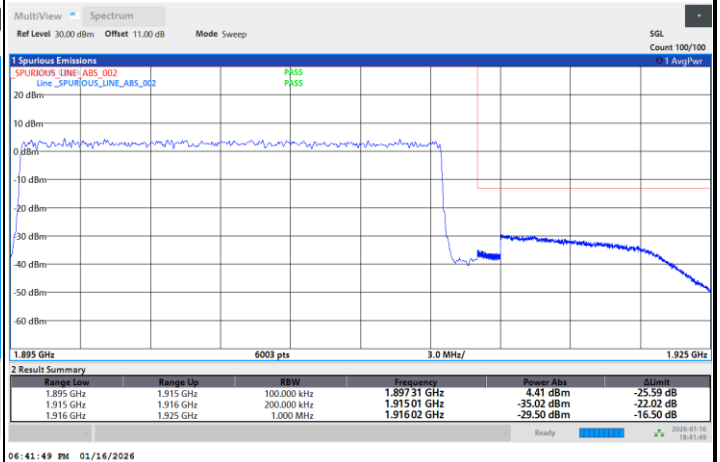


## FR1 n77 / 20MHz / DFT-S OFDM / QPSK

## Lowest Band Edge / Full RB



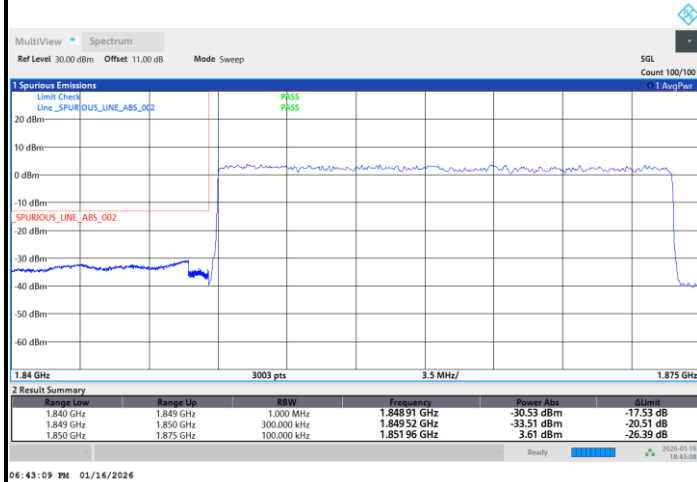
## Highest Band Edge / Full RB



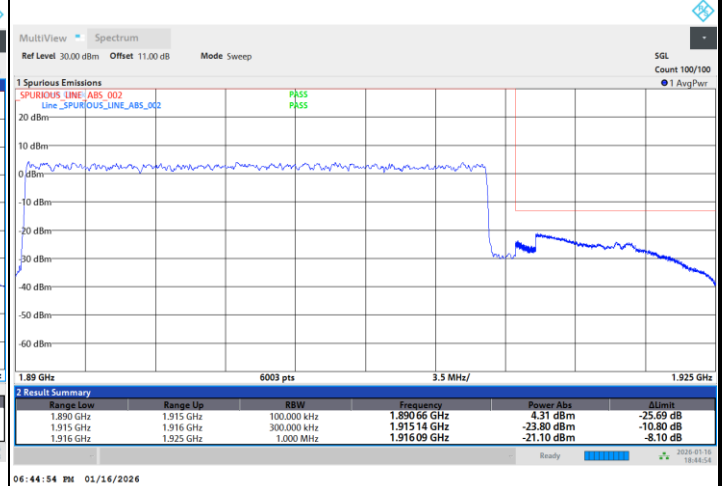


## FR1 n77 / 25MHz / DFT-S OFDM / PI/2 BPSK

## Lowest Band Edge / Full RB

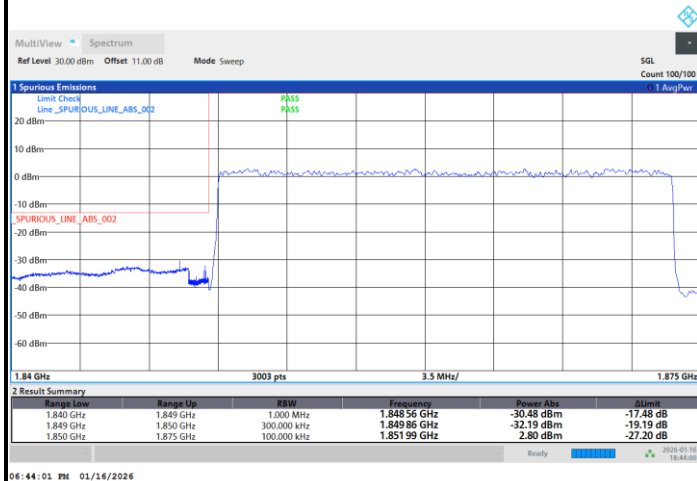


## Highest Band Edge / Full RB



## FR1 n77 / 25MHz / DFT-S OFDM / QPSK

## Lowest Band Edge / Full RB



## Highest Band Edge / Full RB

