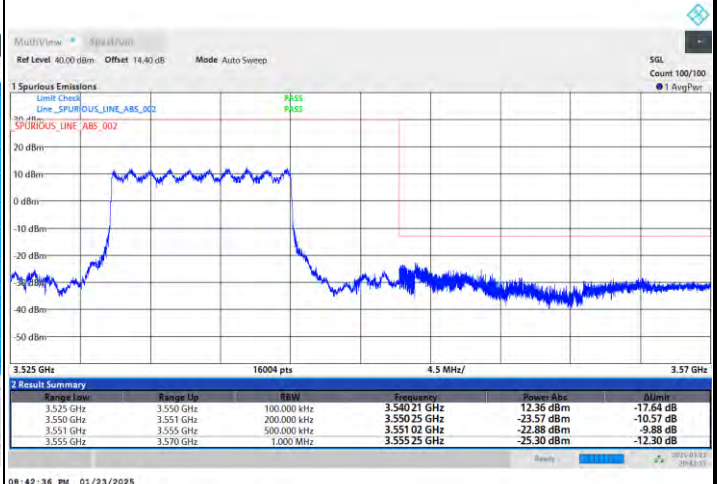
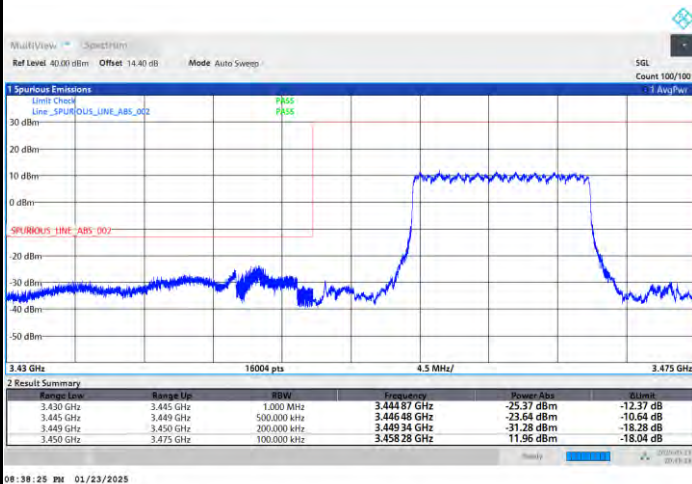




## FR1 n77 / 25MHz / DFT-S OFDM / PI/2 BPSK

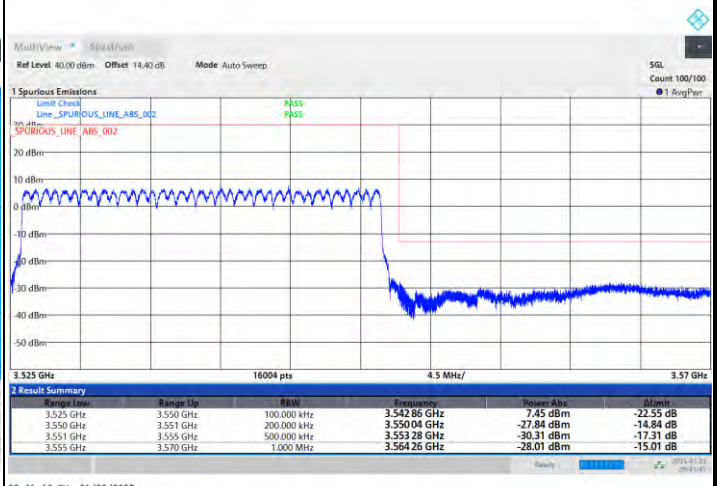
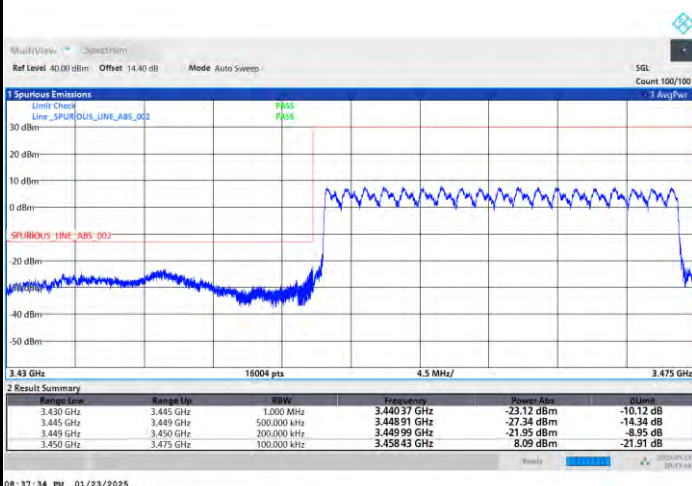
## Lowest Band Edge / Inner Full RB

## Highest Band Edge / Inner Full RB



## Lowest Band Edge / Outer Full RB

## Highest Band Edge / Outer Full RB

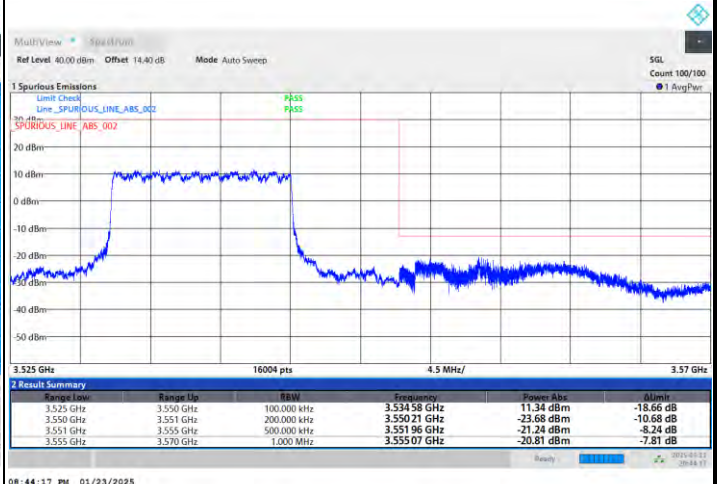
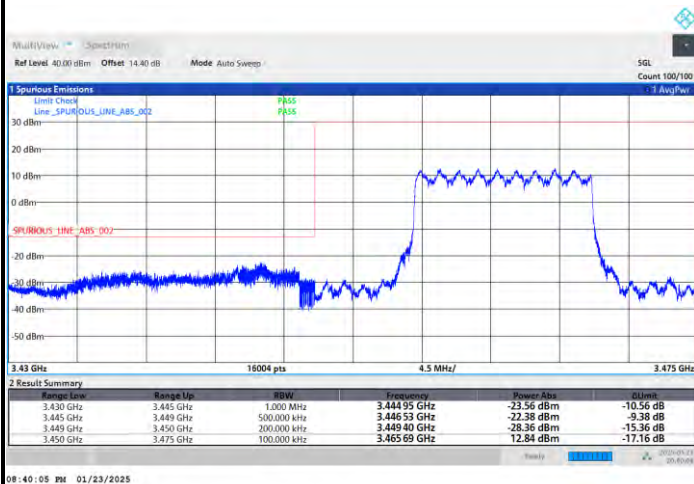




## FR1 n77 / 25MHz / DFT-S OFDM / QPSK

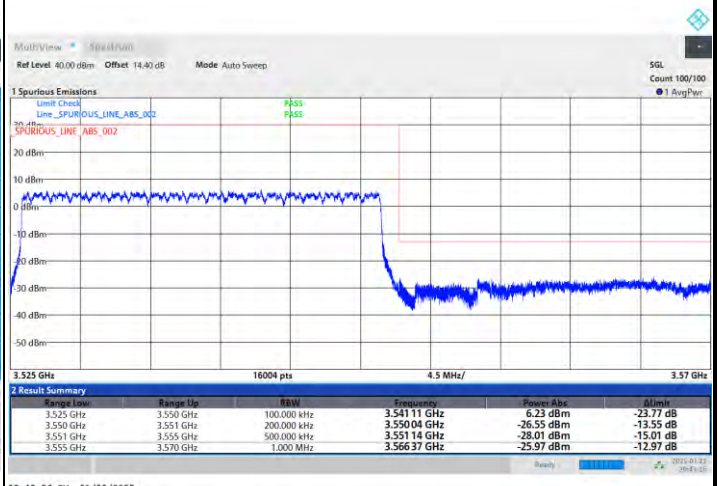
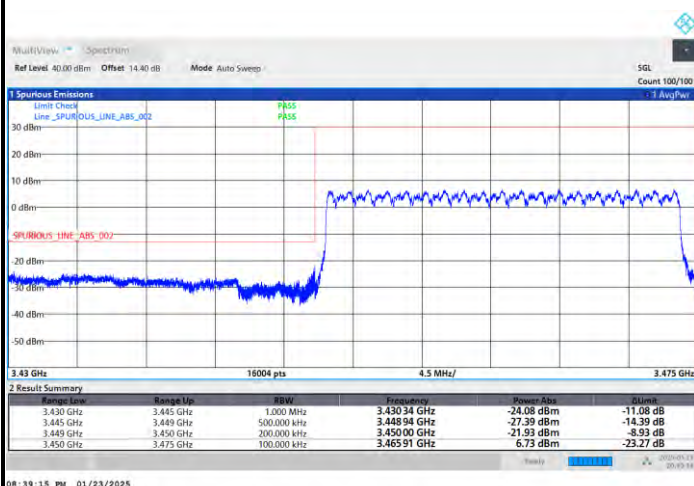
## Lowest Band Edge / Inner Full RB

## Highest Band Edge / Inner Full RB



## Lowest Band Edge / Outer Full RB

## Highest Band Edge / Outer Full RB

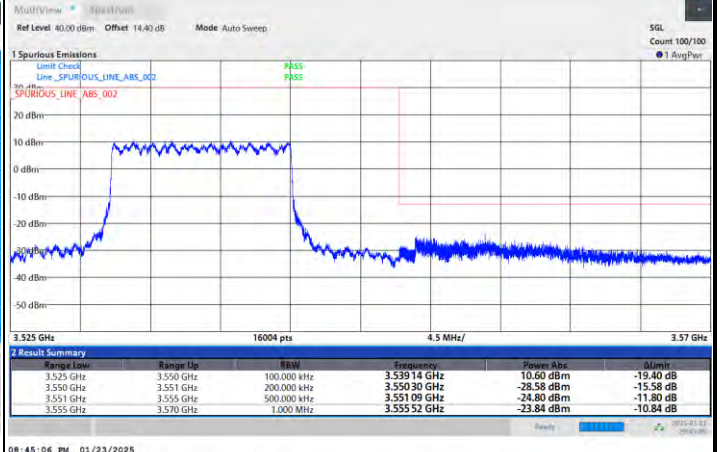




## FR1 n77 / 25MHz / DFT-S OFDM / 16QAM

## Lowest Band Edge / Inner Full RB

## Highest Band Edge / Inner Full RB

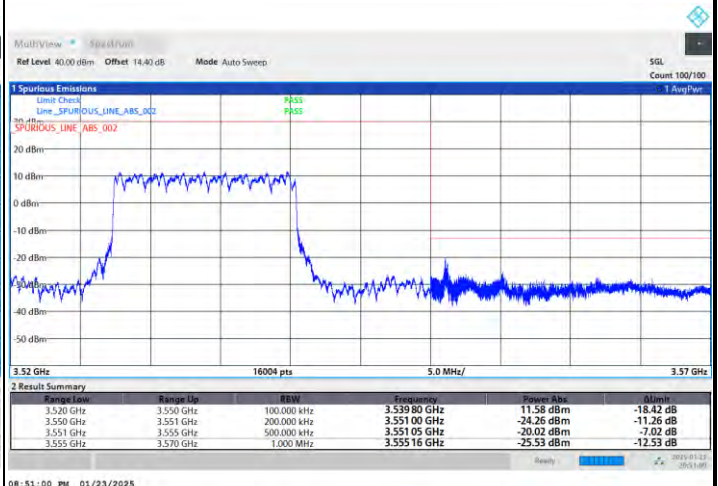
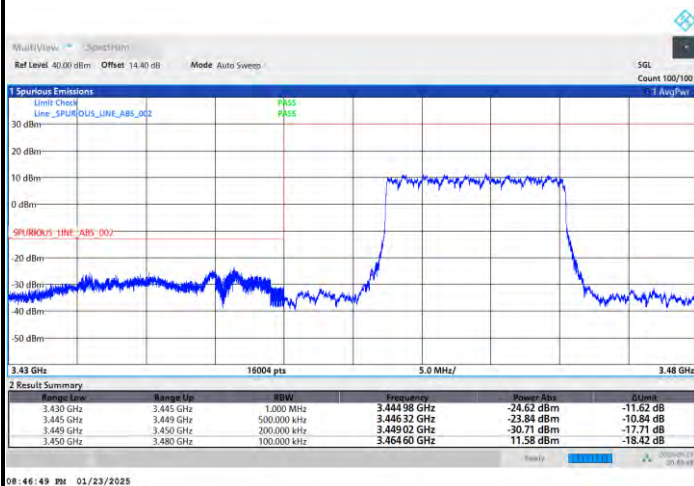




## FR1 n77 / 30MHz / DFT-S OFDM / PI/2 BPSK

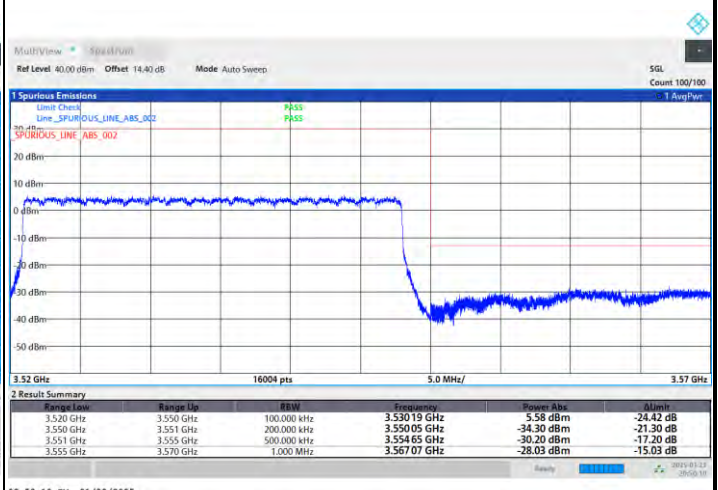
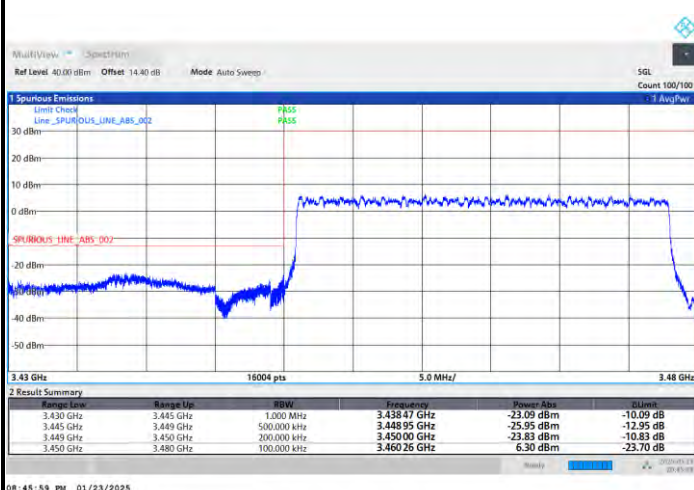
## Lowest Band Edge / Inner Full RB

## Highest Band Edge / Inner Full RB



## Lowest Band Edge / Outer Full RB

## Highest Band Edge / Outer Full RB

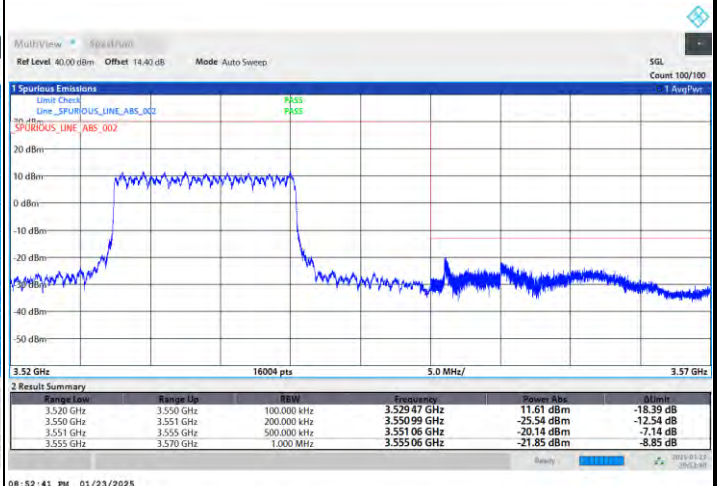
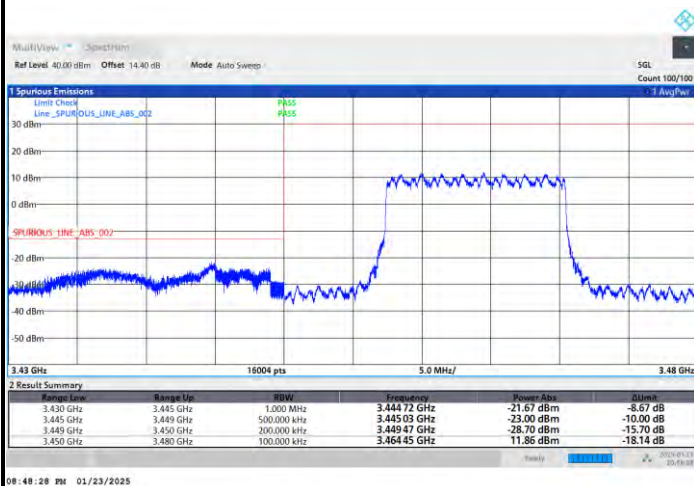




## FR1 n77 / 30MHz / DFT-S OFDM / QPSK

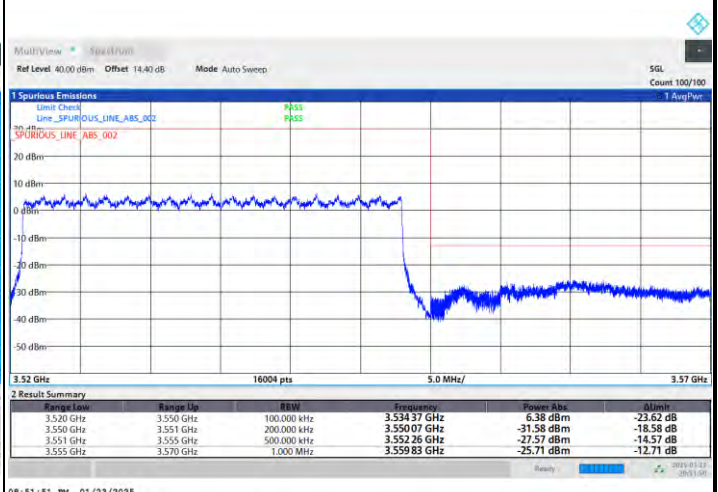
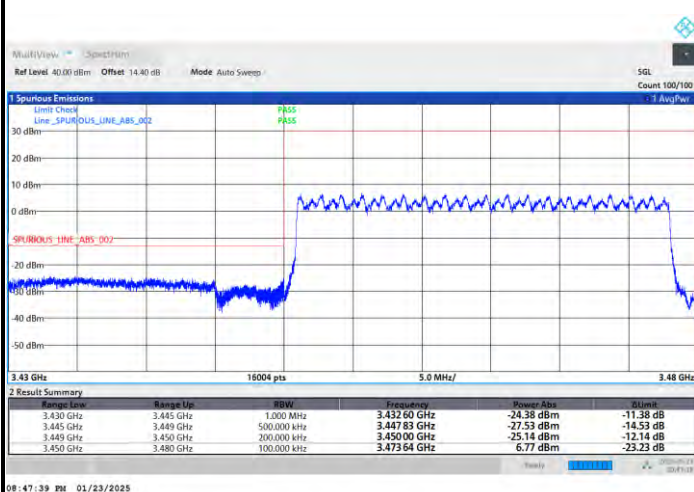
## Lowest Band Edge / Inner Full RB

## Highest Band Edge / Inner Full RB



## Lowest Band Edge / Outer Full RB

## Highest Band Edge / Outer Full RB

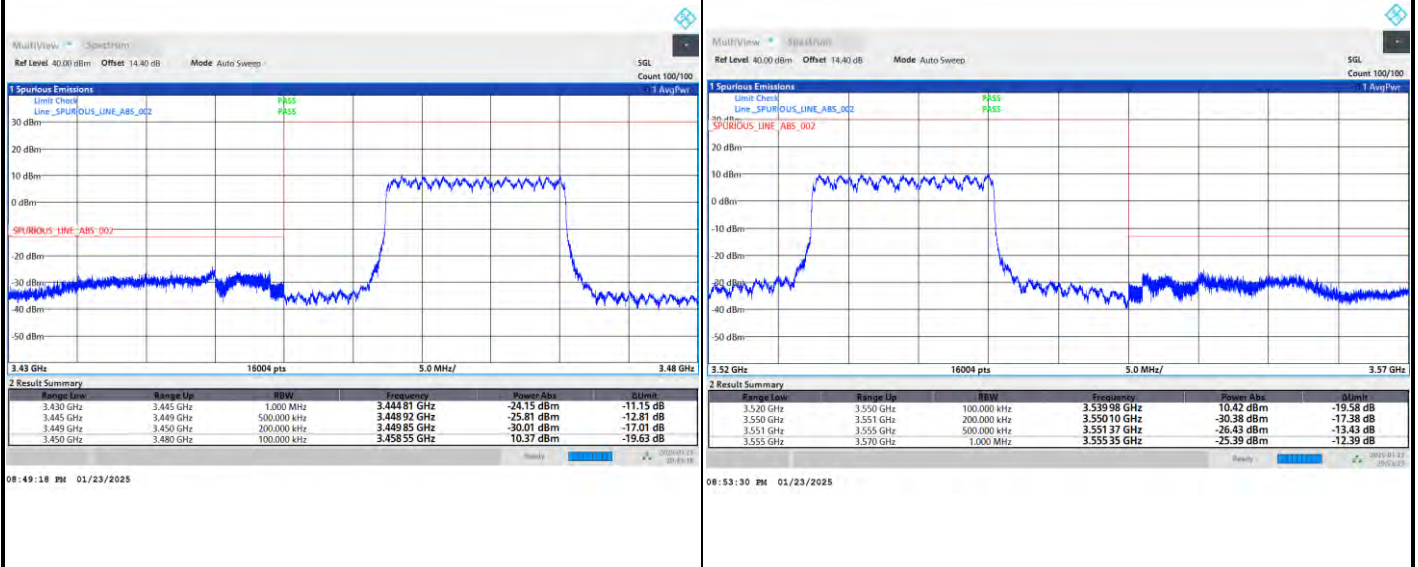




## FR1 n77 / 30MHz / DFT-S OFDM / 16QAM

## Lowest Band Edge / Inner Full RB

## Highest Band Edge / Inner Full RB





## FR1 n77 / 40MHz / DFT-S OFDM / PI/2 BPSK

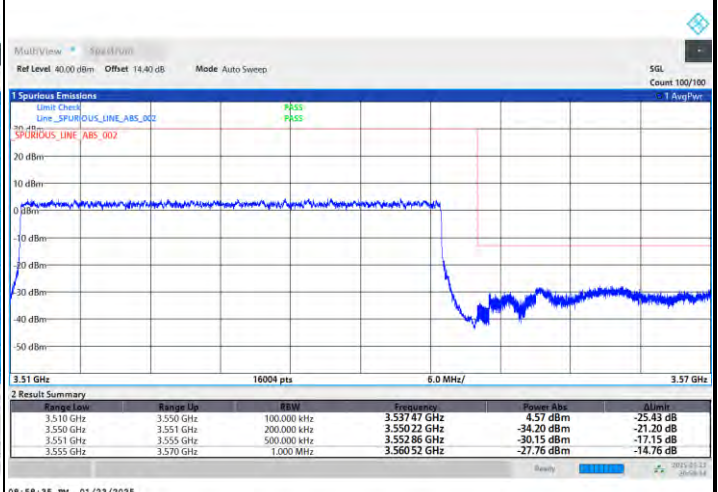
## Lowest Band Edge / Inner Full RB

## Highest Band Edge / Inner Full RB



## Lowest Band Edge / Outer Full RB

## Highest Band Edge / Outer Full RB

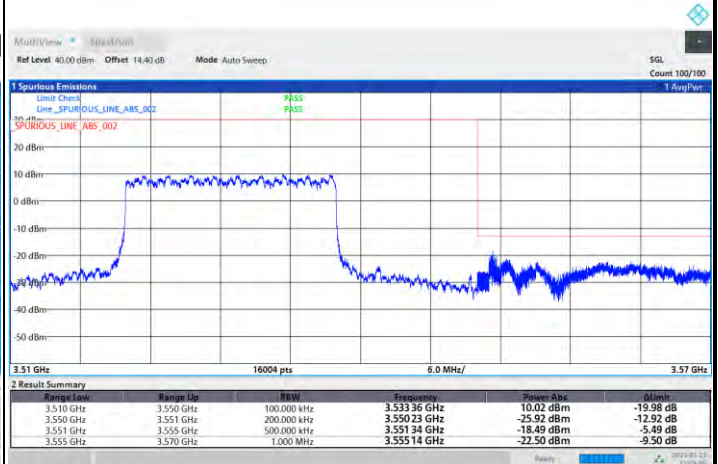
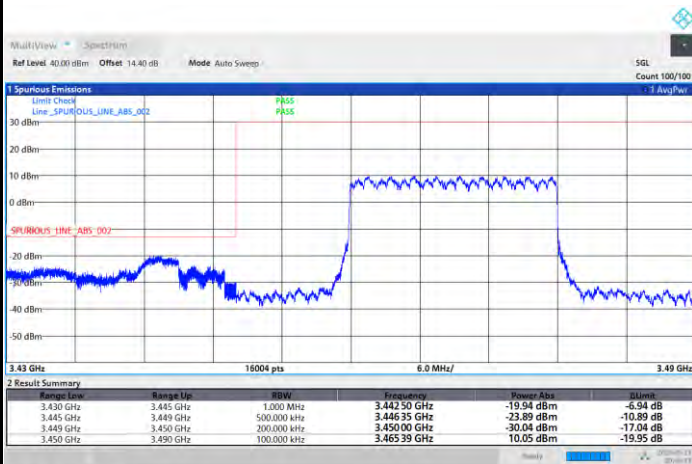




## FR1 n77 / 40MHz / DFT-S OFDM / QPSK

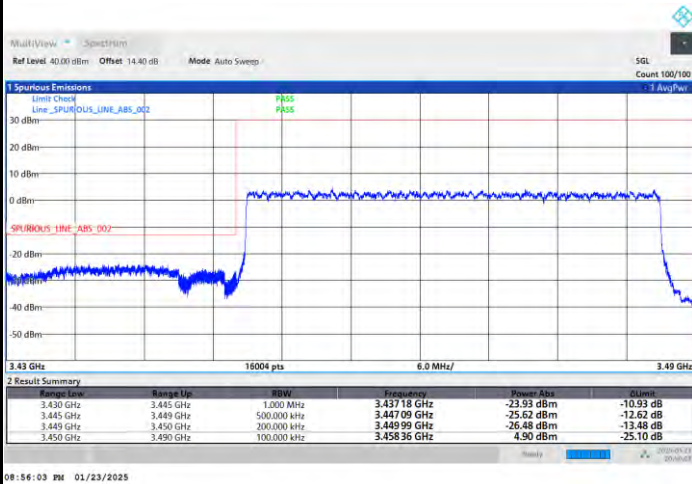
## Lowest Band Edge / Inner Full RB

## Highest Band Edge / Inner Full RB



## Lowest Band Edge / Outer Full RB

## Highest Band Edge / Outer Full RB

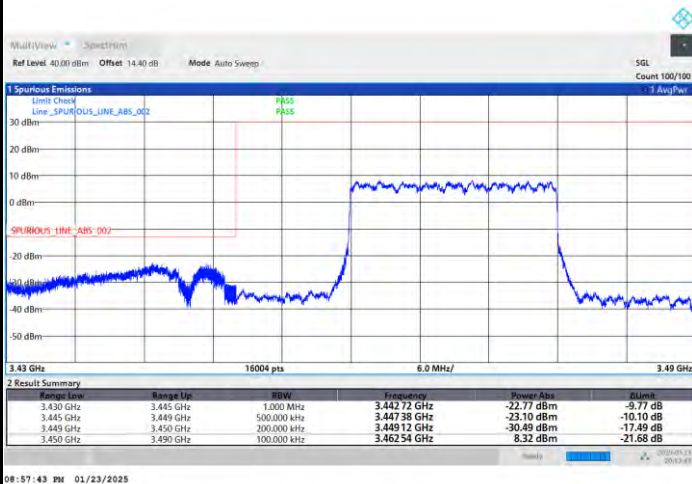




## FR1 n77 / 40MHz / DFT-S OFDM / 16QAM

## Lowest Band Edge / Inner Full RB

## Highest Band Edge / Inner Full RB

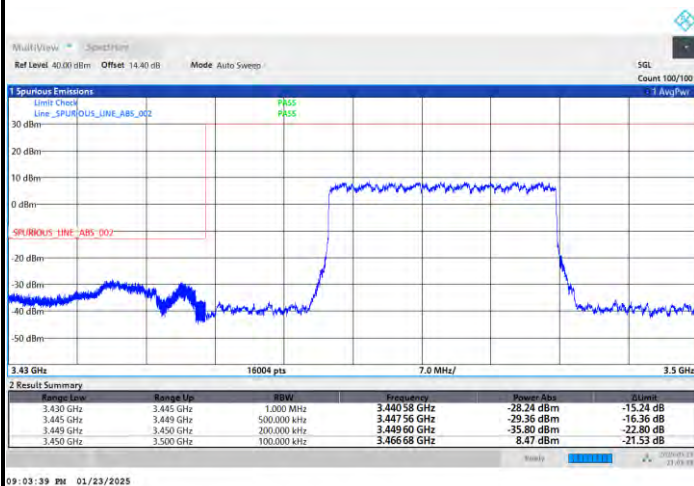




## FR1 n77 / 50MHz / DFT-S OFDM / PI/2 BPSK

## Lowest Band Edge / Inner Full RB

## Highest Band Edge / Inner Full RB



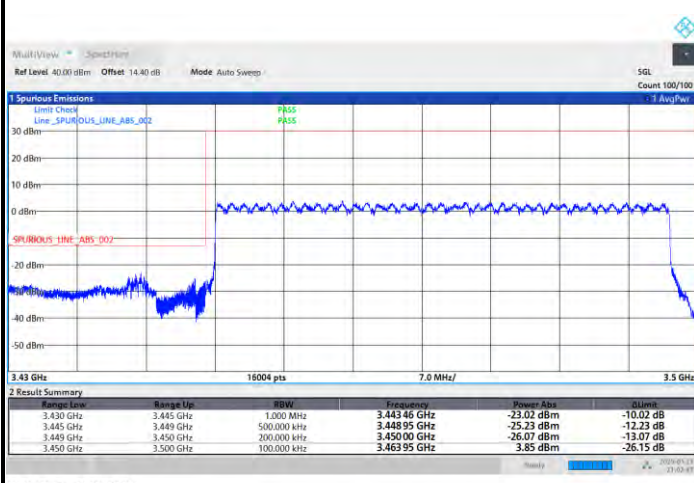
09:03:39 PM 01/23/2025



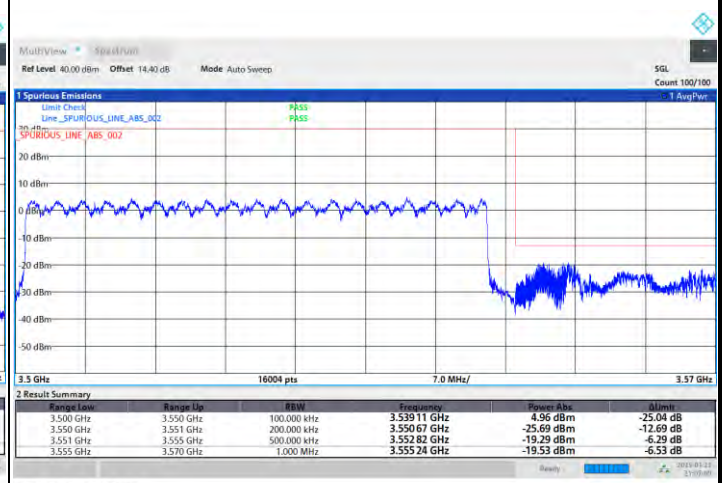
09:07:50 PM 01/23/2025

## Lowest Band Edge / Outer Full RB

## Highest Band Edge / Outer Full RB



09:02:48 PM 01/23/2025



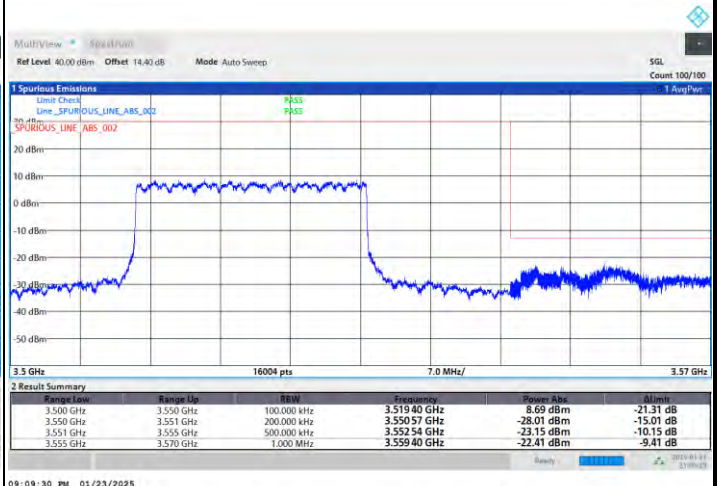
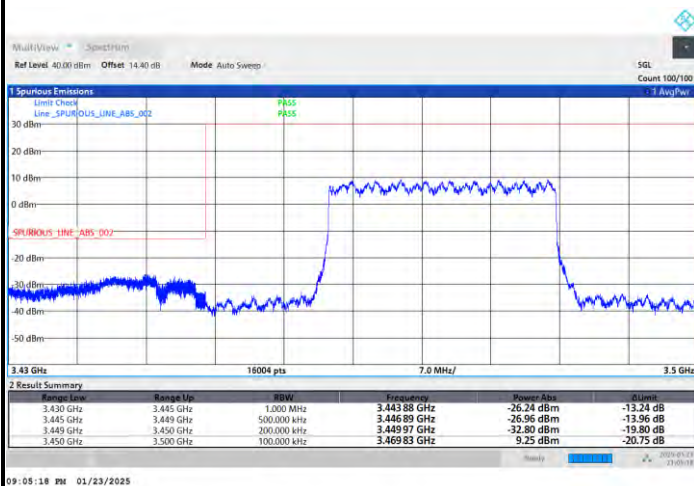
09:07:00 PM 01/23/2025



## FR1 n77 / 50MHz / DFT-S OFDM / QPSK

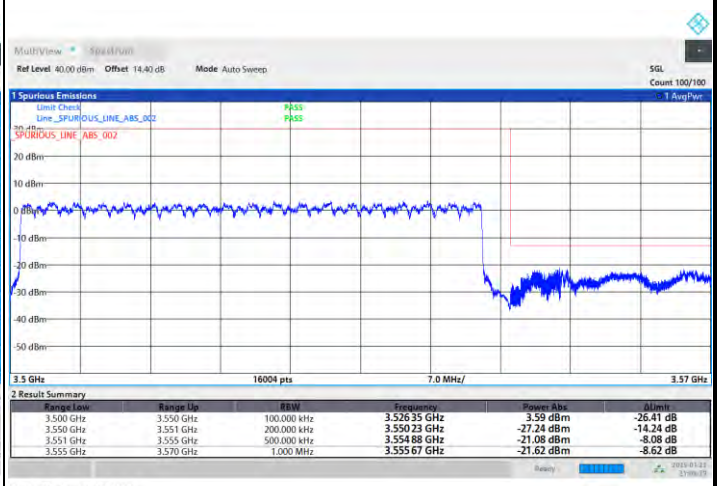
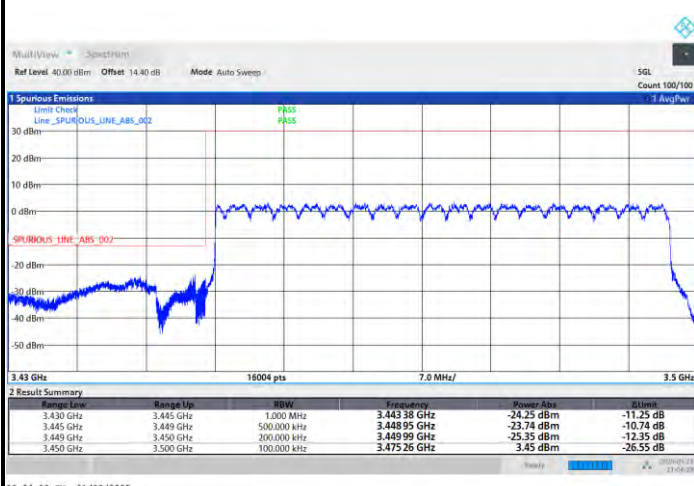
## Lowest Band Edge / Inner Full RB

## Highest Band Edge / Inner Full RB



## Lowest Band Edge / Outer Full RB

## Highest Band Edge / Outer Full RB

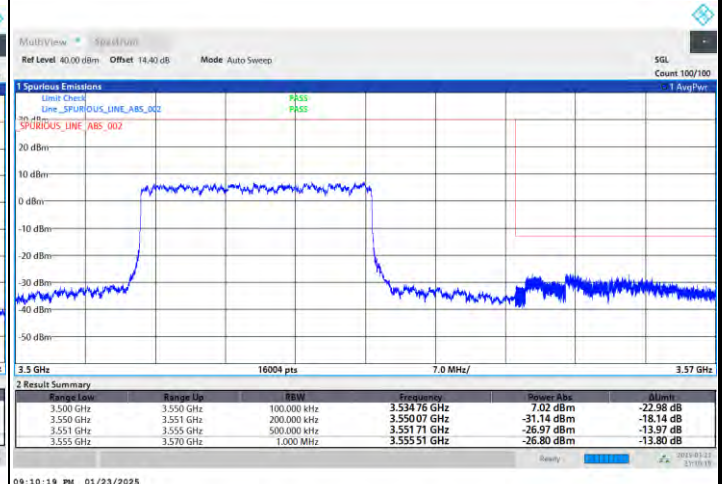




## FR1 n77 / 50MHz / DFT-S OFDM / 16QAM

## Lowest Band Edge / Inner Full RB

## Highest Band Edge / Inner Full RB

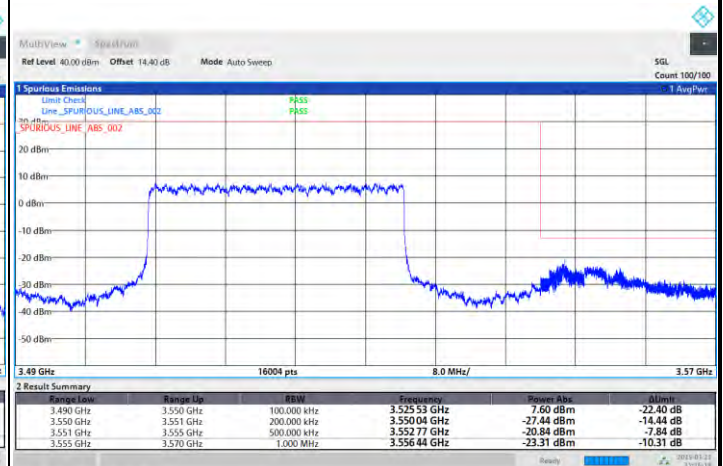
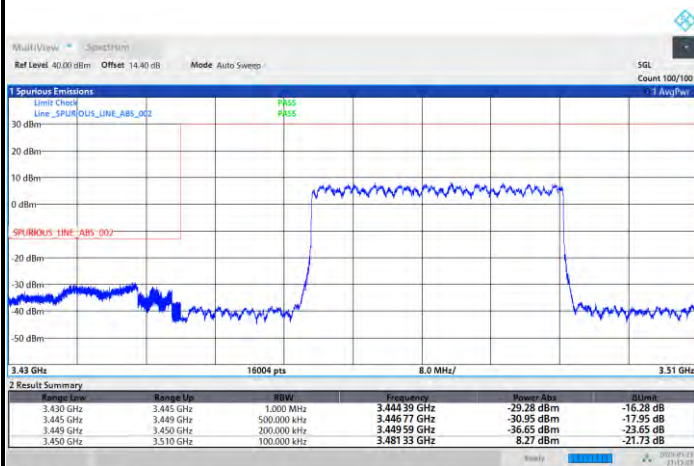




## FR1 n77 / 60MHz / DFT-S OFDM / PI/2 BPSK

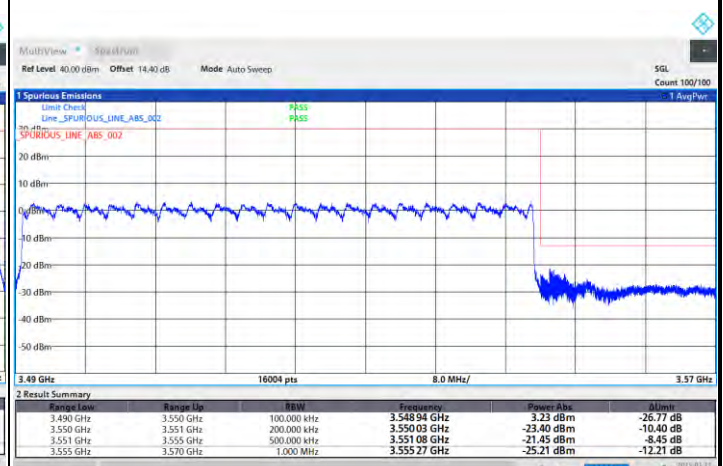
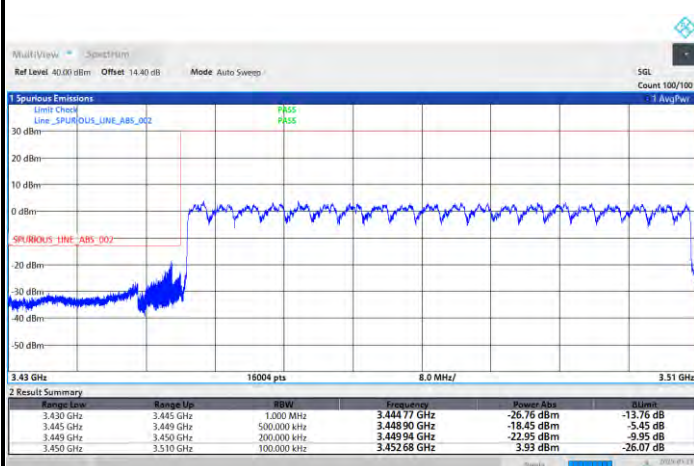
## Lowest Band Edge / Inner Full RB

## Highest Band Edge / Inner Full RB



## Lowest Band Edge / Outer Full RB

## Highest Band Edge / Outer Full RB

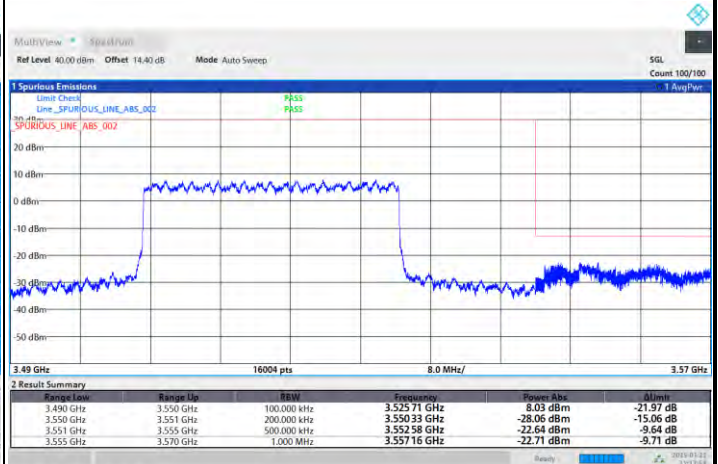




## FR1 n77 / 60MHz / DFT-S OFDM / QPSK

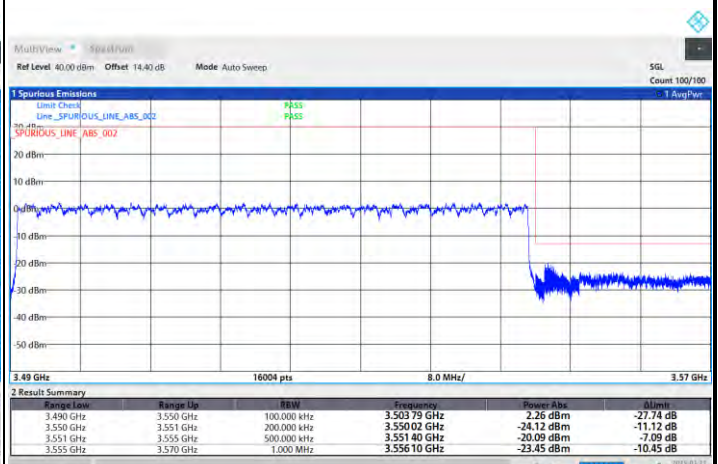
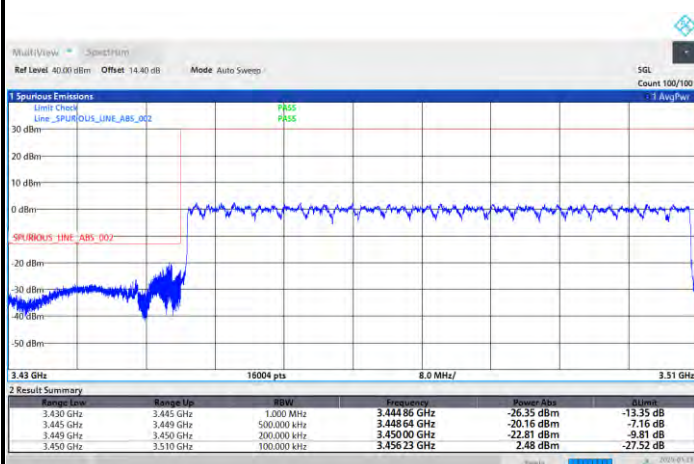
## Lowest Band Edge / Inner Full RB

## Highest Band Edge / Inner Full RB



## Lowest Band Edge / Outer Full RB

## Highest Band Edge / Outer Full RB

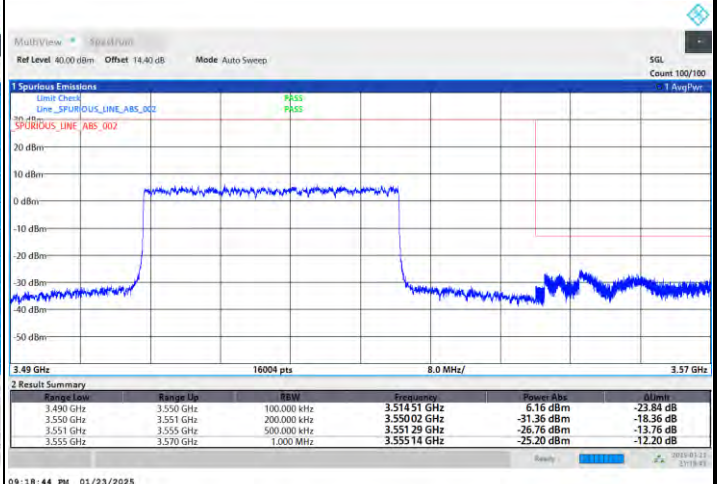
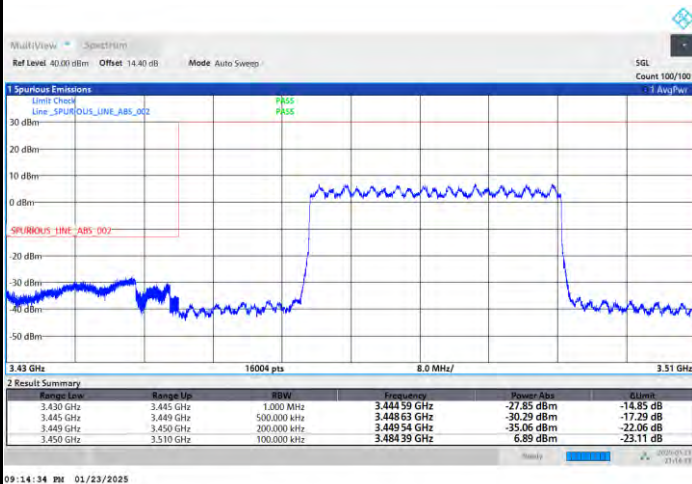




## FR1 n77 / 60MHz / DFT-S OFDM / 16QAM

## Lowest Band Edge / Inner Full RB

## Highest Band Edge / Inner Full RB





## FR1 n77 / 70MHz / DFT-S OFDM / PI/2 BPSK

## Lowest Band Edge / Inner Full RB

## Highest Band Edge / Inner Full RB



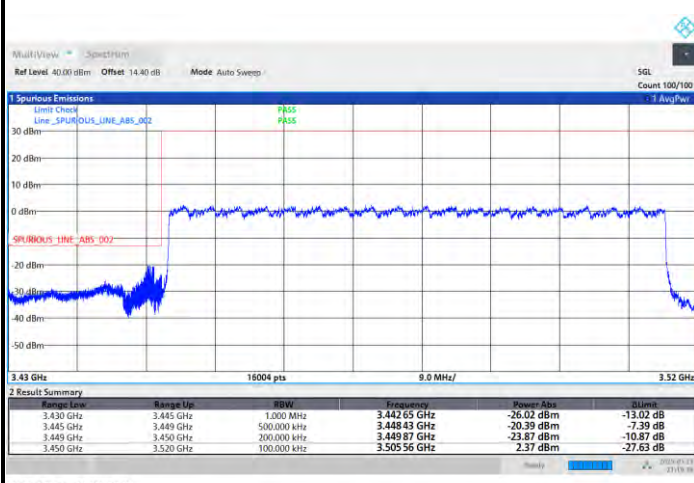
09:20:28 PM 01/23/2025



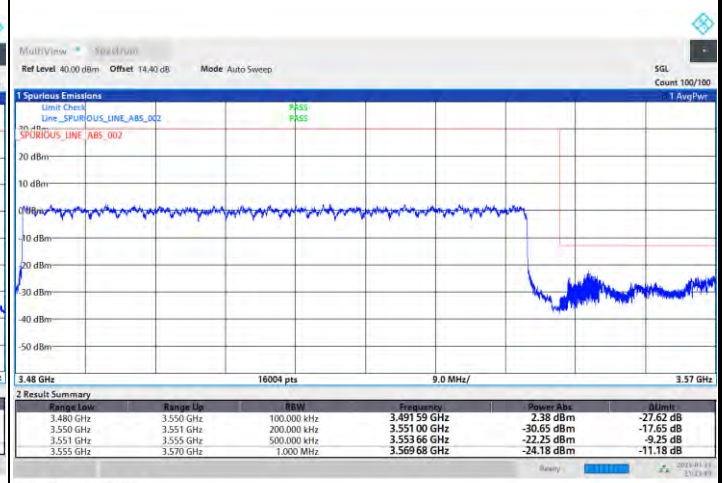
09:24:40 PM 01/23/2025

## Lowest Band Edge / Outer Full RB

## Highest Band Edge / Outer Full RB



09:19:37 PM 01/23/2025



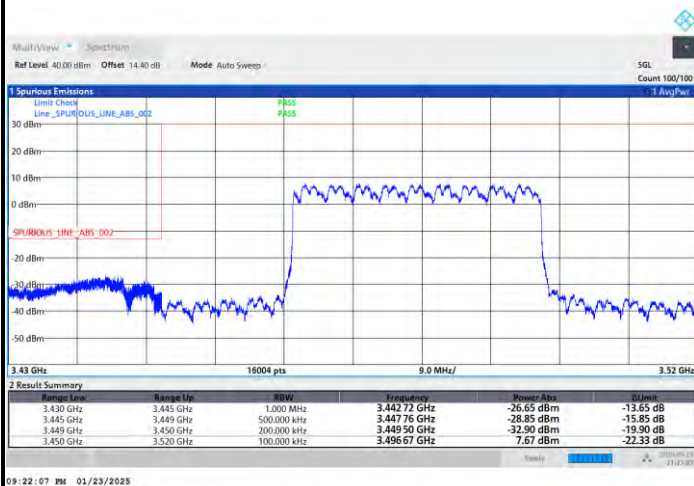
09:23:49 PM 01/23/2025



## FR1 n77 / 70MHz / DFT-S OFDM / QPSK

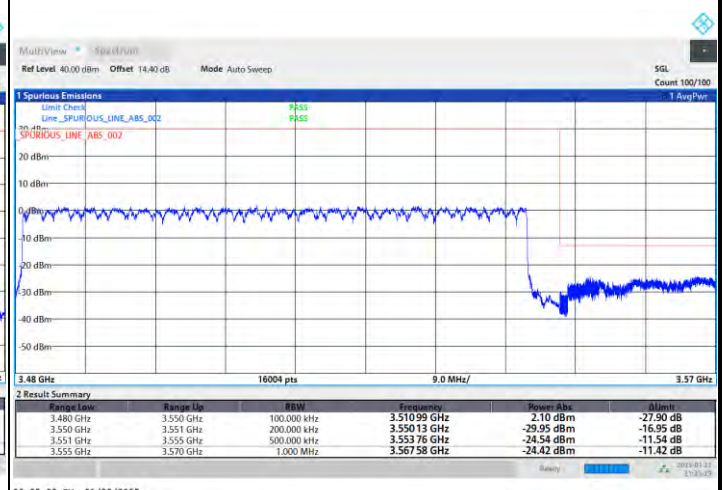
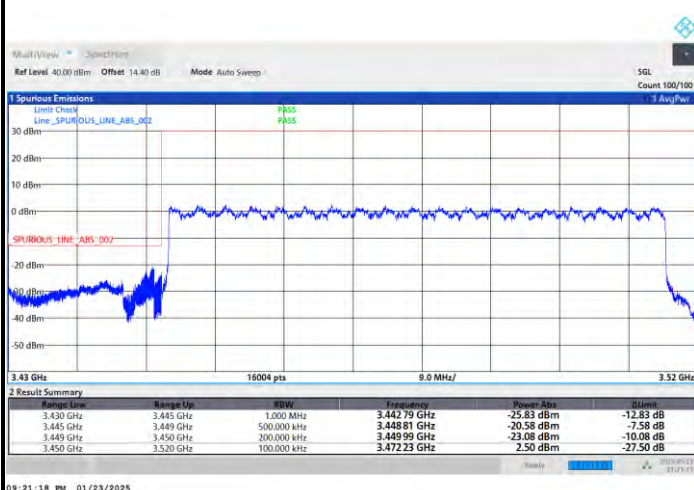
## Lowest Band Edge / Inner Full RB

## Highest Band Edge / Inner Full RB



## Lowest Band Edge / Outer Full RB

## Highest Band Edge / Outer Full RB

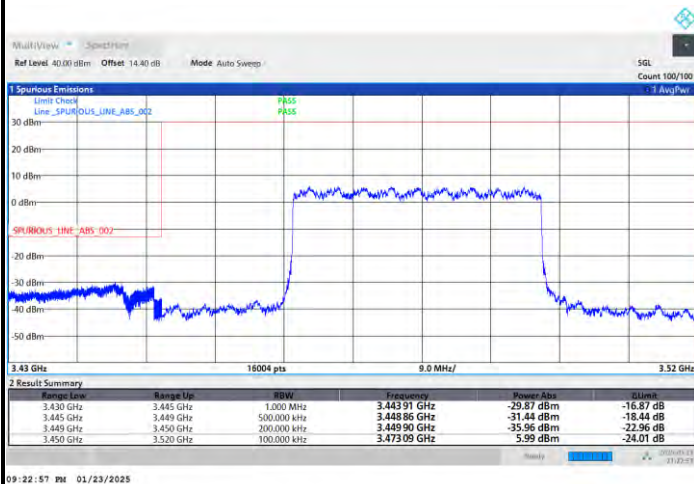




## FR1 n77 / 70MHz / DFT-S OFDM / 16QAM

## Lowest Band Edge / Inner Full RB

## Highest Band Edge / Inner Full RB

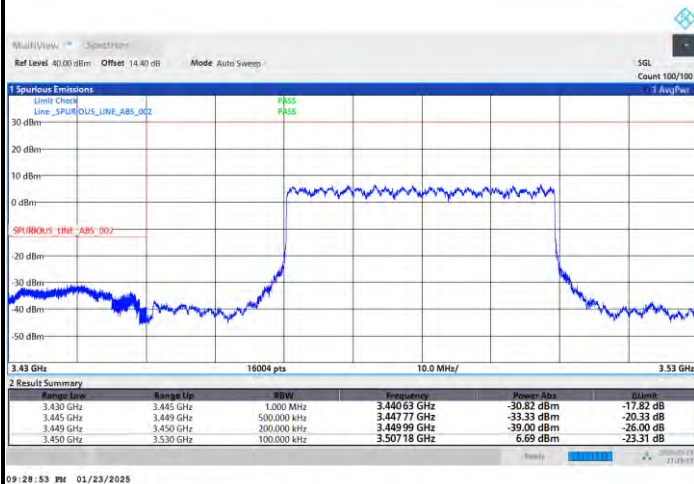




## FR1 n77 / 80MHz / DFT-S OFDM / PI/2 BPSK

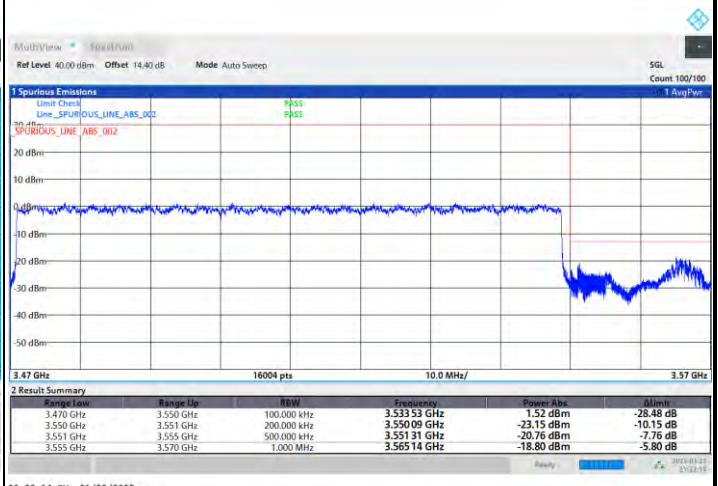
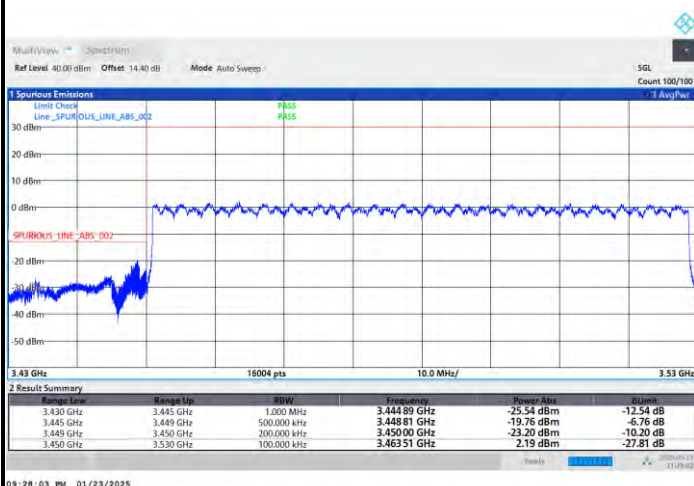
## Lowest Band Edge / Inner Full RB

## Highest Band Edge / Inner Full RB



## Lowest Band Edge / Outer Full RB

## Highest Band Edge / Outer Full RB

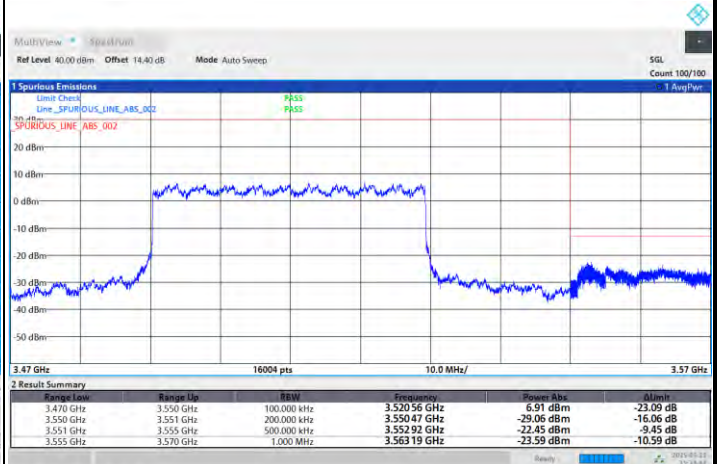




## FR1 n77 / 80MHz / DFT-S OFDM / QPSK

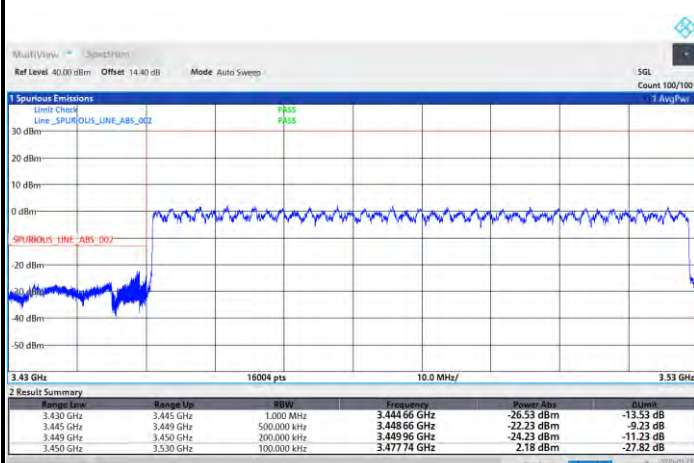
## Lowest Band Edge / Inner Full RB

## Highest Band Edge / Inner Full RB



## Lowest Band Edge / Outer Full RB

## Highest Band Edge / Outer Full RB

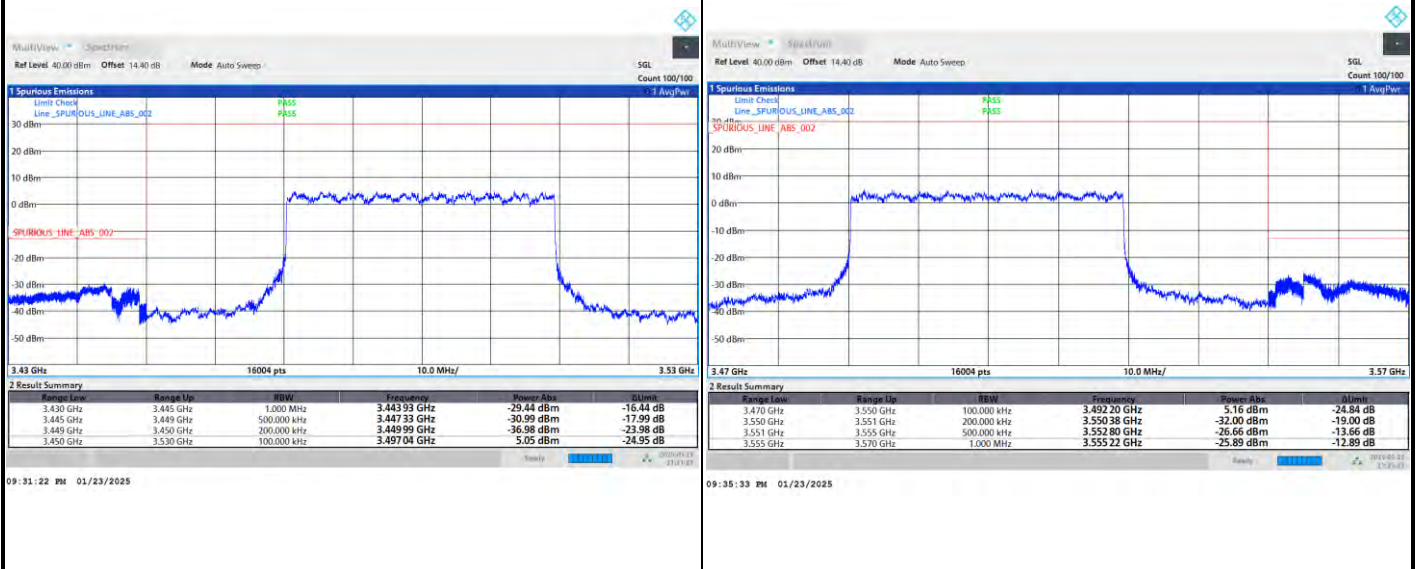




## FR1 n77 / 80MHz / DFT-S OFDM / 16QAM

## Lowest Band Edge / Inner Full RB

## Highest Band Edge / Inner Full RB

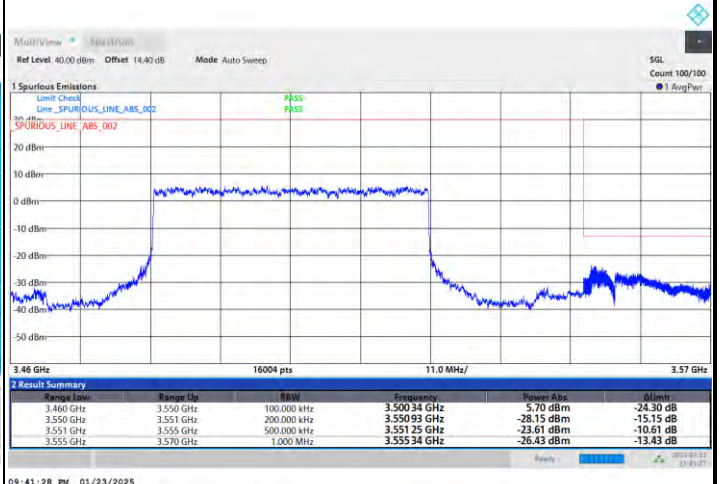
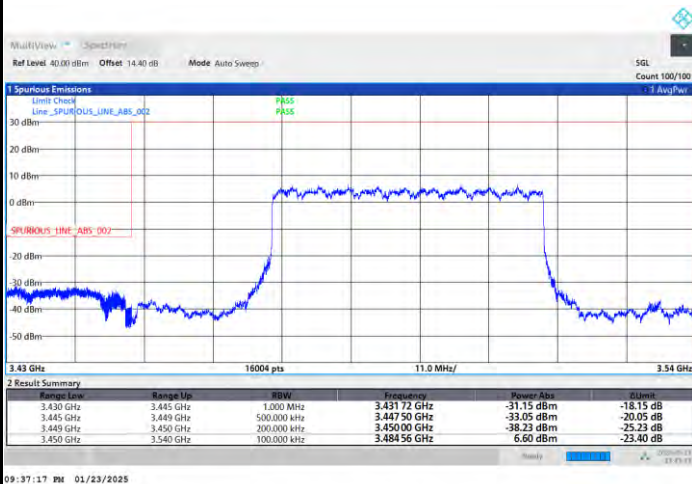




## FR1 n77 / 90MHz / DFT-S OFDM / PI/2 BPSK

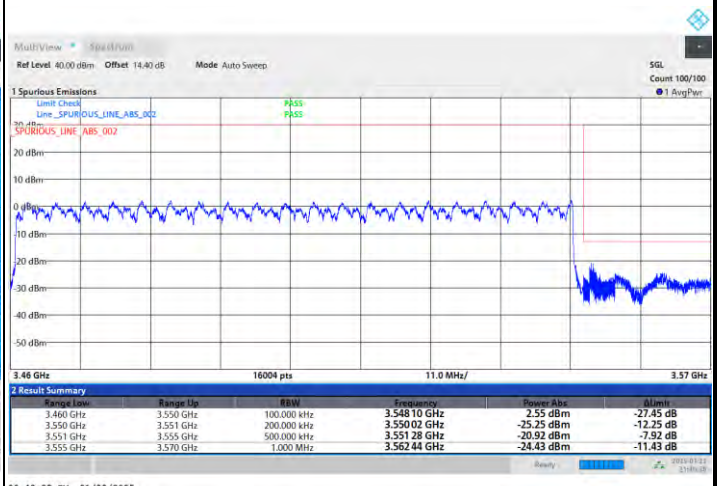
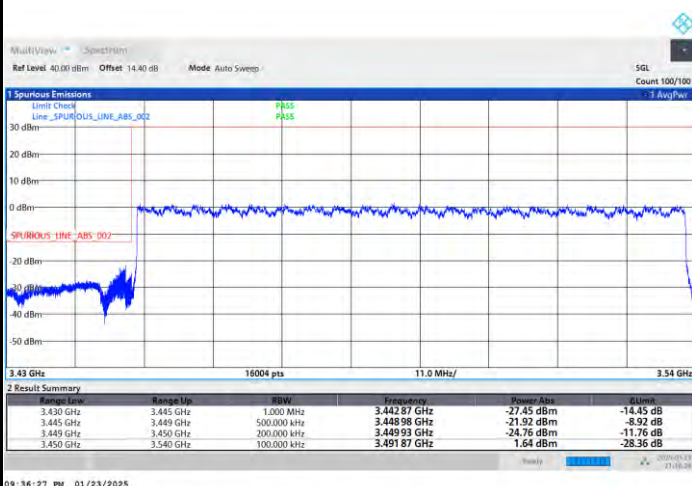
## Lowest Band Edge / Inner Full RB

## Highest Band Edge / Inner Full RB



## Lowest Band Edge / Outer Full RB

## Highest Band Edge / Outer Full RB

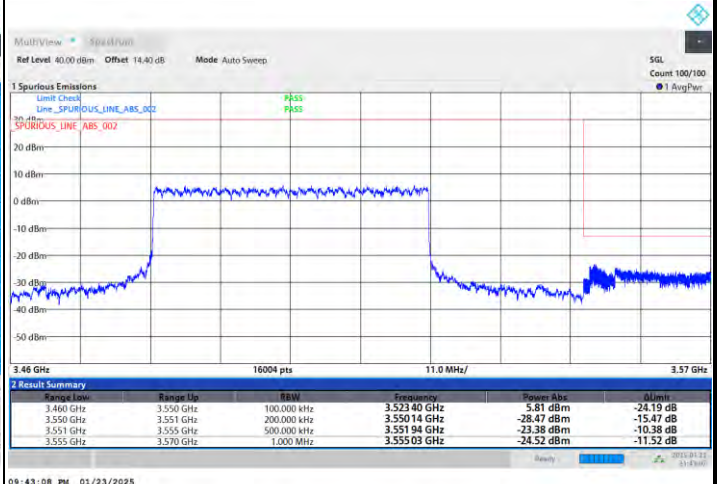
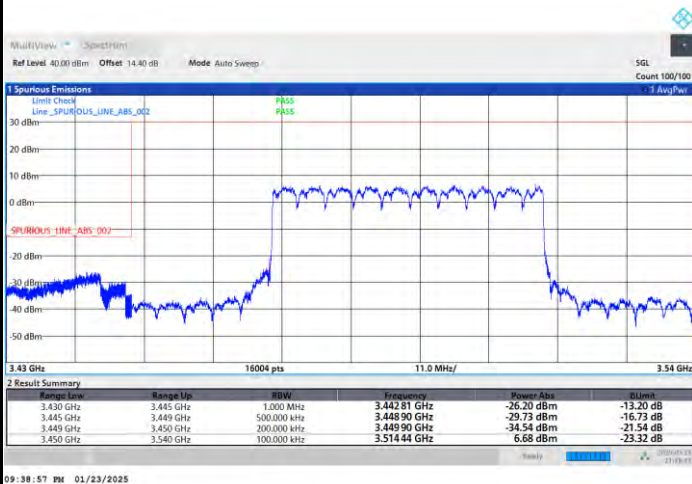




## FR1 n77 / 90MHz / DFT-S OFDM / QPSK

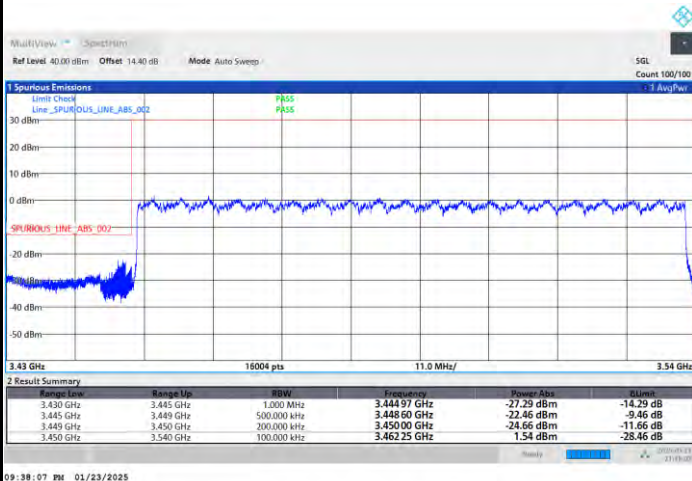
## Lowest Band Edge / Inner Full RB

## Highest Band Edge / Inner Full RB



## Lowest Band Edge / Outer Full RB

## Highest Band Edge / Outer Full RB

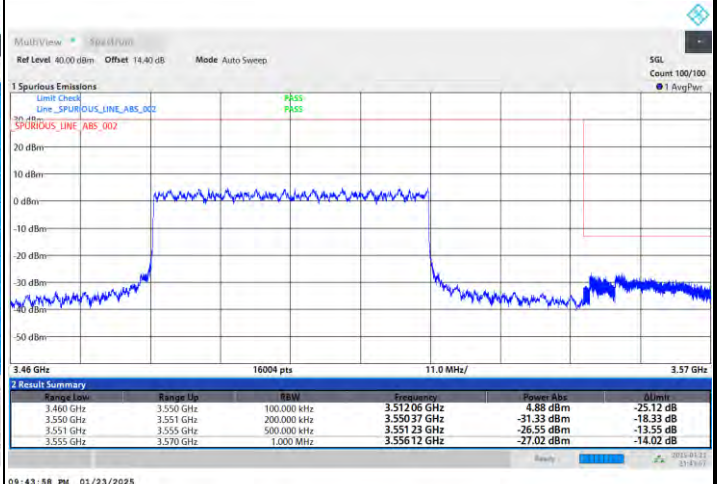
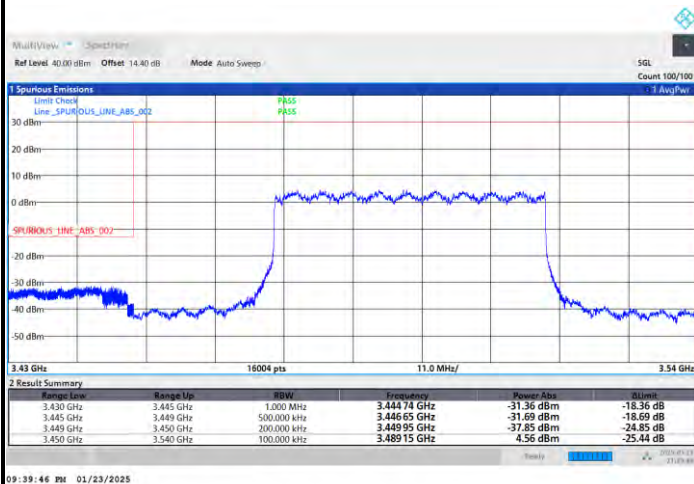




## FR1 n77 / 90MHz / DFT-S OFDM / 16QAM

## Lowest Band Edge / Inner Full RB

## Highest Band Edge / Inner Full RB

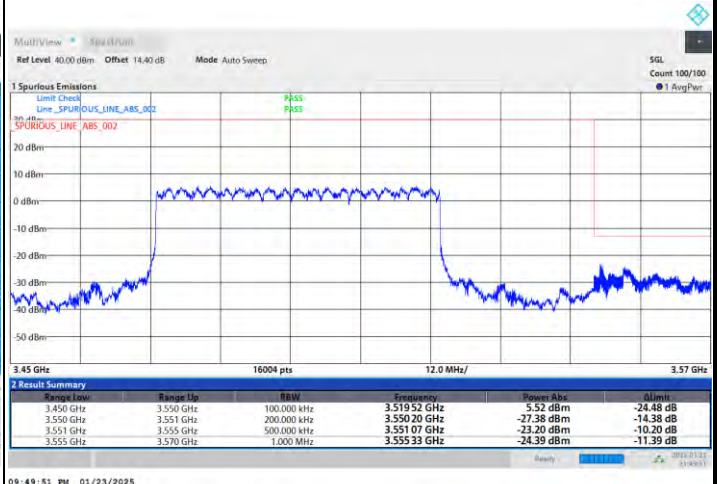
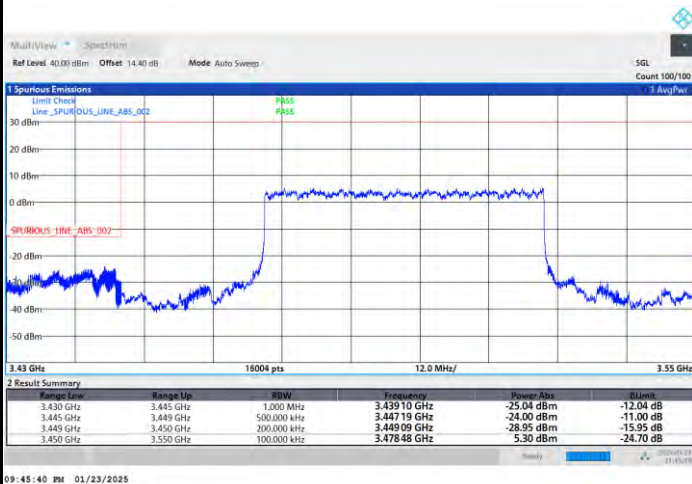




## FR1 n77 / 100MHz / DFT-S OFDM / PI/2 BPSK

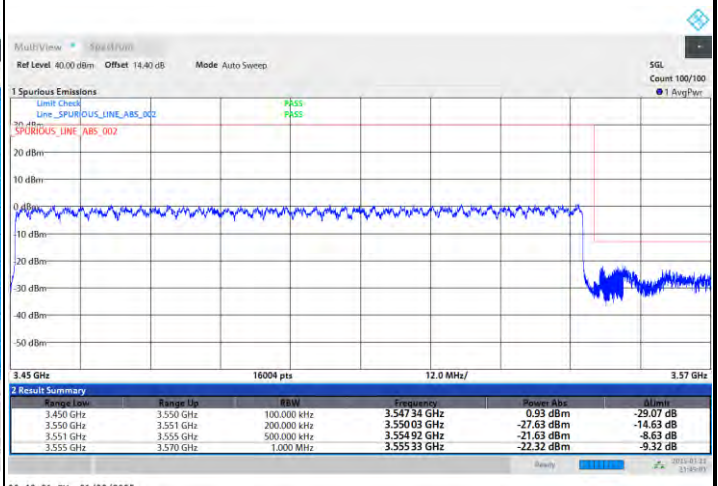
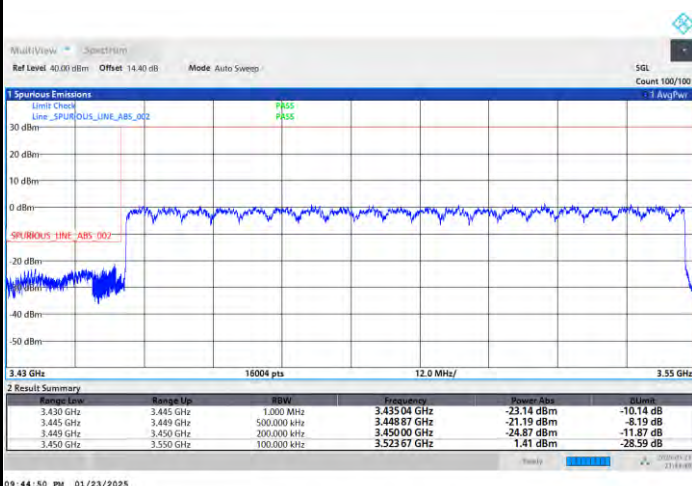
## Lowest Band Edge / Inner Full RB

## Highest Band Edge / Inner Full RB



## Lowest Band Edge / Outer Full RB

## Highest Band Edge / Outer Full RB

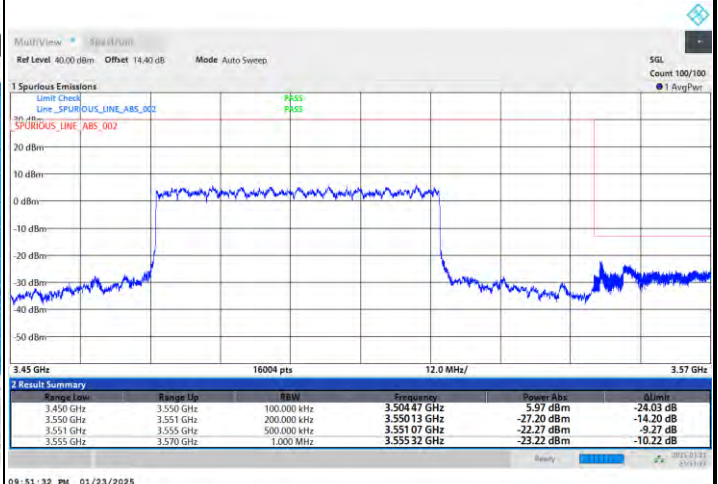
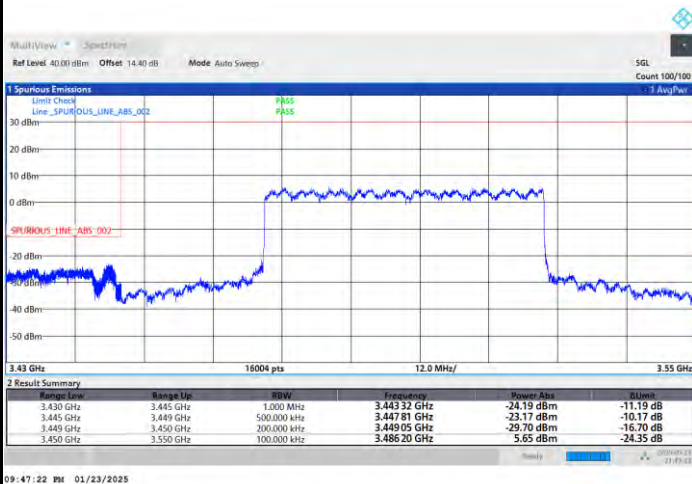




## FR1 n77 / 100MHz / DFT-S OFDM / QPSK

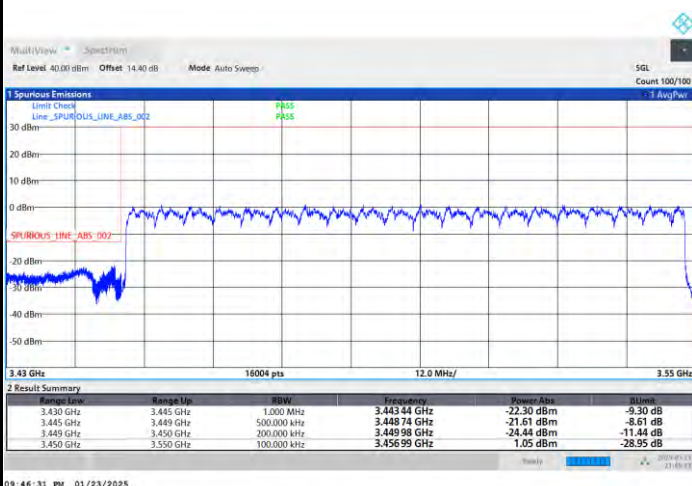
## Lowest Band Edge / Inner Full RB

## Highest Band Edge / Inner Full RB



## Lowest Band Edge / Outer Full RB

## Highest Band Edge / Outer Full RB

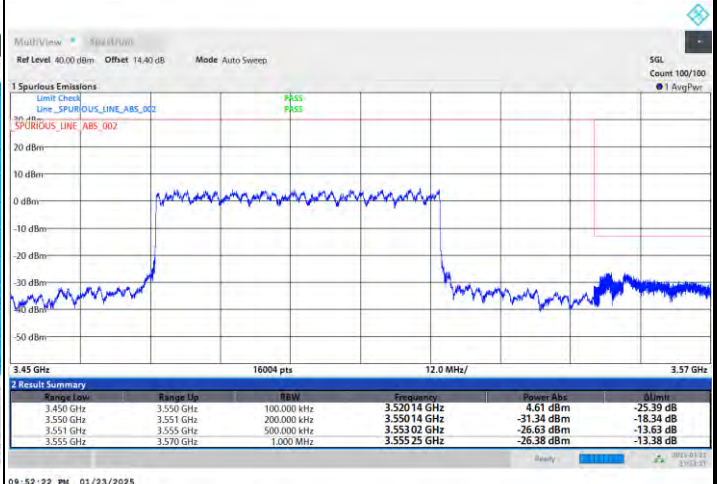
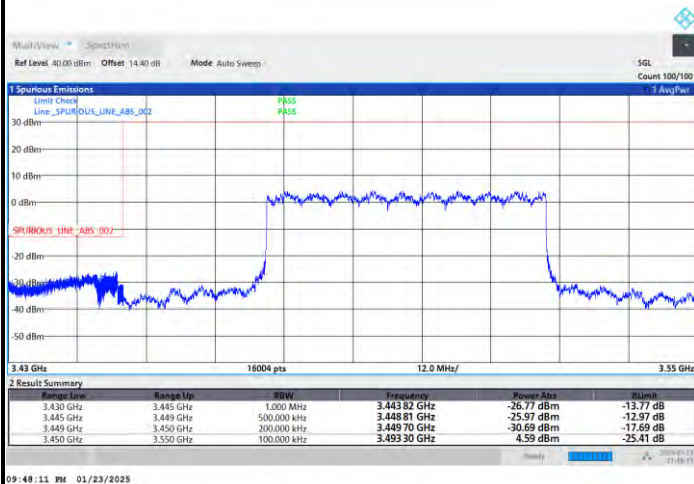




## FR1 n77 / 100MHz / DFT-S OFDM / 16QAM

## Lowest Band Edge / Inner Full RB

## Highest Band Edge / Inner Full RB

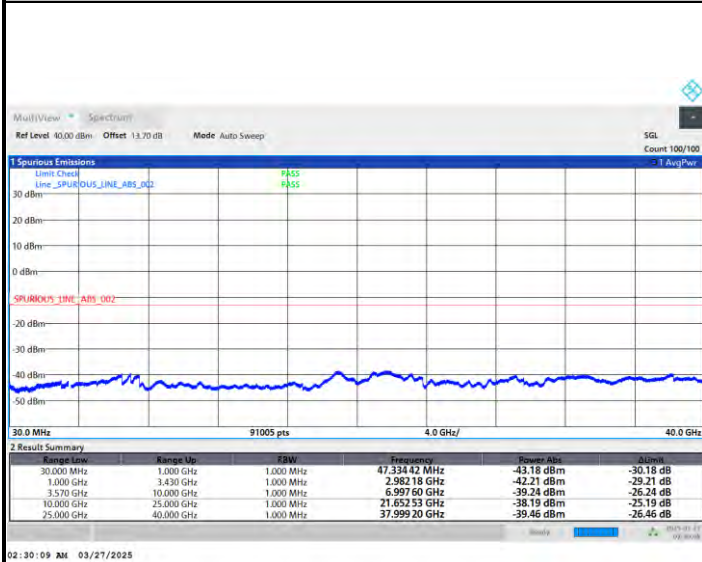




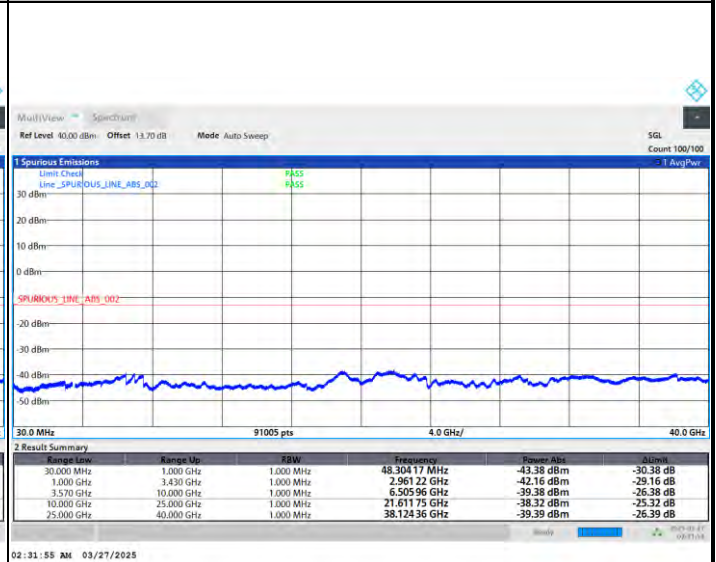
# Conducted Spurious Emission

FR1 n77 / 10MHz / DFT-S OFDM / QPSK / 1RB1

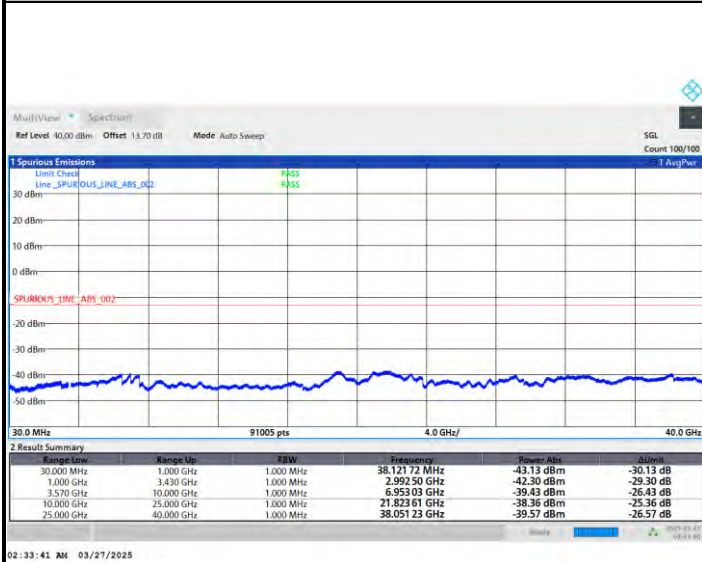
## Lowest Channel



## Middle Channel



## Highest Channel



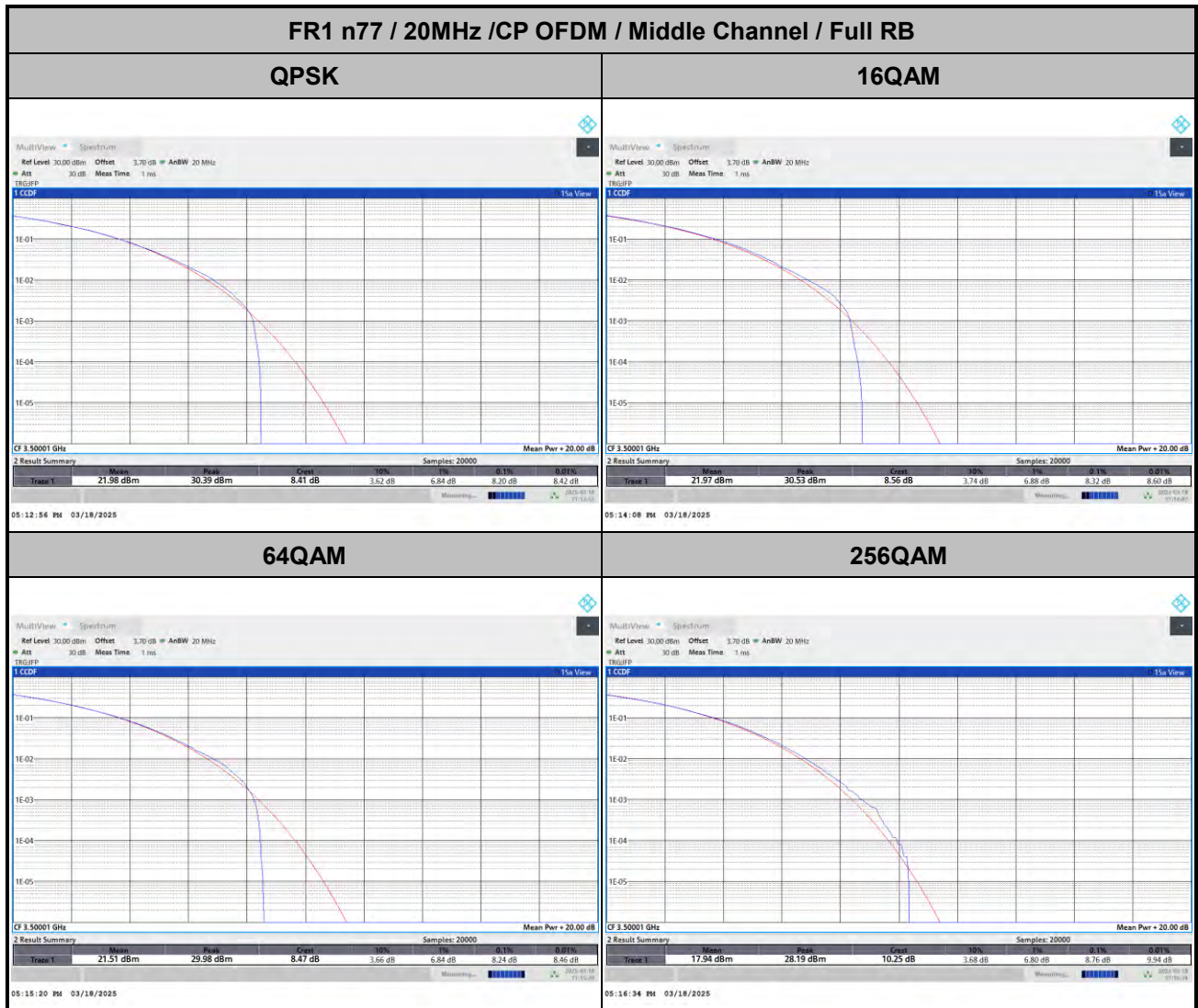


&lt;MIMO Mode&gt;

MIMO &lt;Ant. 6&gt;

**Peak-to-Average Ratio**

| Mode      | FR1 n77 / 20MHz / CP OFDM |         |         |         |             |
|-----------|---------------------------|---------|---------|---------|-------------|
| Mod.      | QPSK                      | 16QAM   | 64QAM   | 256QAM  | Limit: 13dB |
| RB Size   | Full RB                   | Full RB | Full RB | Full RB | Result      |
| Middle CH | 8.20                      | 8.32    | 8.24    | 8.76    | PASS        |



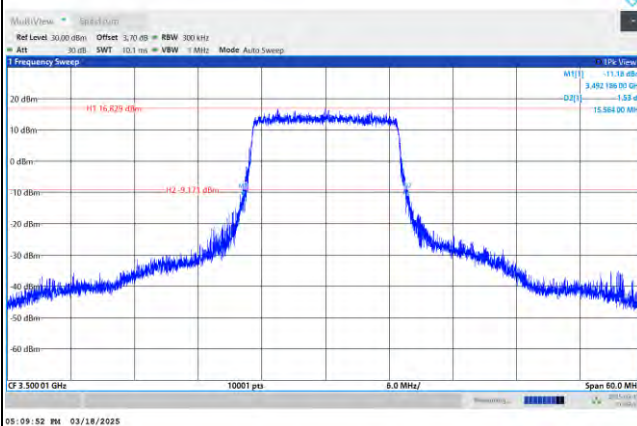
**26dB Bandwidth**

| Mode      | FR1 n77 : 26dB BW(MHz) / CP OFDM |        |       |        |       |        |        |        |
|-----------|----------------------------------|--------|-------|--------|-------|--------|--------|--------|
| BW        | 10MHz                            |        | 15MHz |        | 20MHz |        | 25MHz  |        |
| Mod.      | QPSK                             | 16QAM  | QPSK  | 16QAM  | QPSK  | 16QAM  | QPSK   | 16QAM  |
| Middle CH | 10.37                            | 10.53  | 15.71 | 15.56  | 20.99 | 20.73  | 25.61  | 25.87  |
| Mod.      | 64QAM                            | 256QAM | 64QAM | 256QAM | 64QAM | 256QAM | 64QAM  | 256QAM |
| Middle CH | 10.15                            | 10.28  | 15.45 | 15.49  | 20.69 | 20.67  | 25.38  | 25.78  |
| BW        | 30MHz                            |        | 40MHz |        | 50MHz |        | 60MHz  |        |
| Mod.      | QPSK                             | 16QAM  | QPSK  | 16QAM  | QPSK  | 16QAM  | QPSK   | 16QAM  |
| Middle CH | 31.07                            | 31.25  | 42.69 | 42.57  | 52.39 | 52.19  | 67.26  | 67.12  |
| Mod.      | 64QAM                            | 256QAM | 64QAM | 256QAM | 64QAM | 256QAM | 64QAM  | 256QAM |
| Middle CH | 31.18                            | 30.96  | 42.95 | 42.54  | 51.89 | 51.77  | 66.49  | 67.09  |
| BW        | 70MHz                            |        | 80MHz |        | 90MHz |        | 100MHz |        |
| Mod.      | QPSK                             | 16QAM  | QPSK  | 16QAM  | QPSK  | 16QAM  | QPSK   | 16QAM  |
| Middle CH | 77.28                            | 79.64  | 83.79 | 85.25  | 95.71 | 96.45  | 106.21 | 105.59 |
| Mod.      | 64QAM                            | 256QAM | 64QAM | 256QAM | 64QAM | 256QAM | 64QAM  | 256QAM |
| Middle CH | 77.28                            | 76.97  | 84.58 | 84.75  | 96.30 | 97.10  | 106.74 | 106.32 |

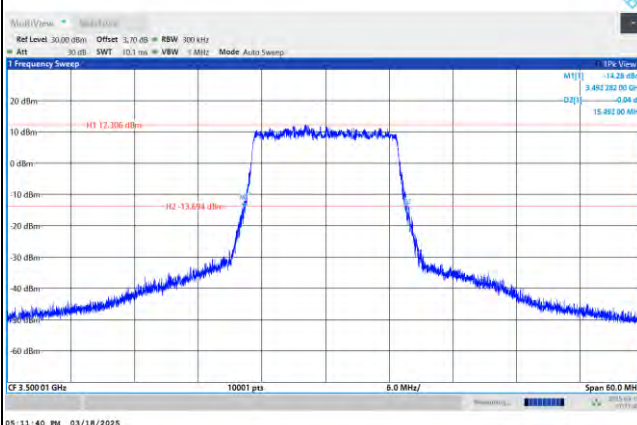




## 16QAM



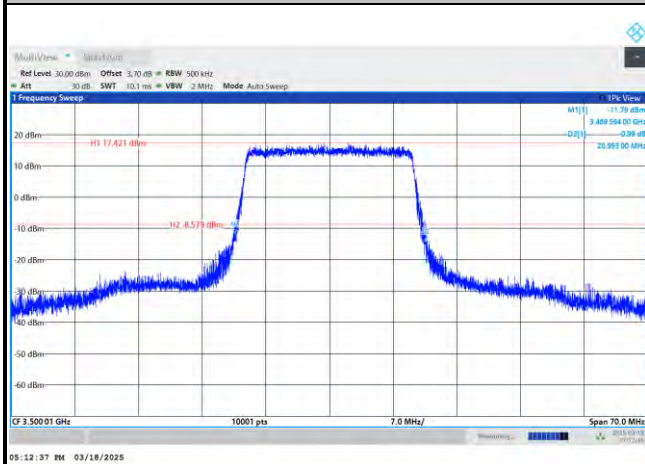
## 256QAM



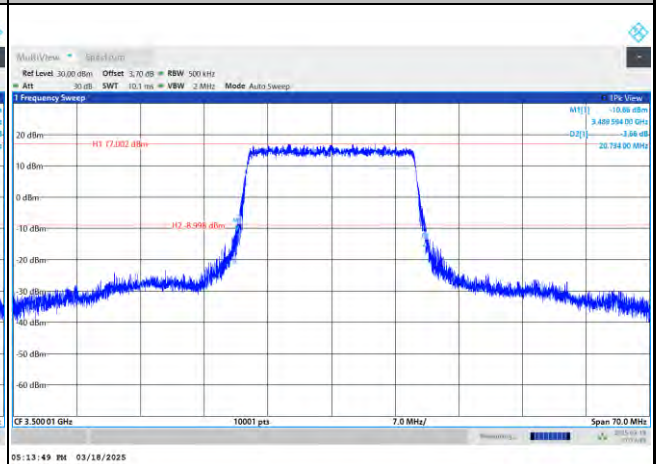


## FR1 n77 / 20MHz / CP OFDM / Middle Channel / Full RB

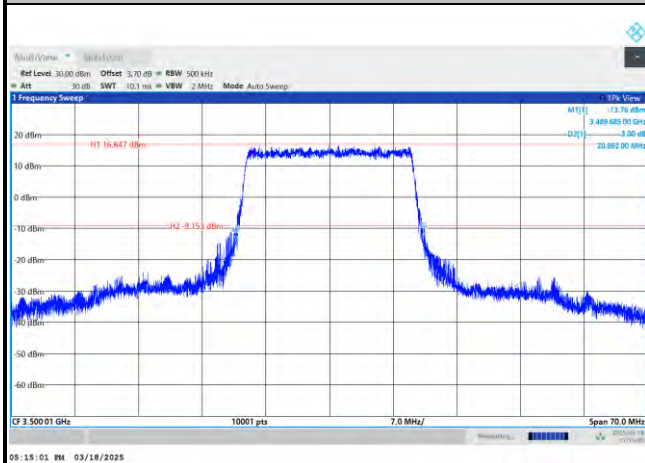
## QPSK



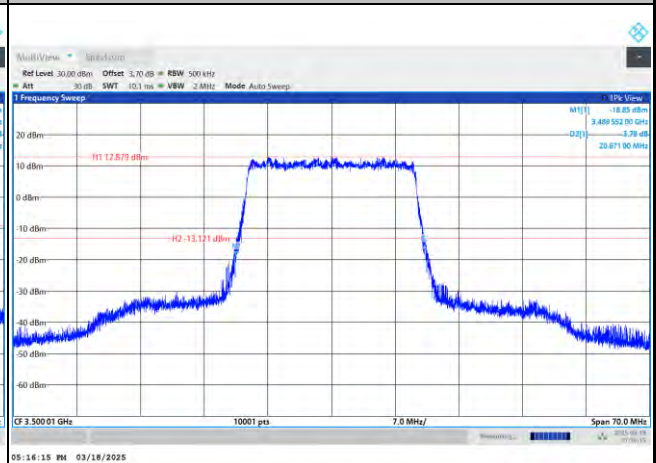
## 16QAM

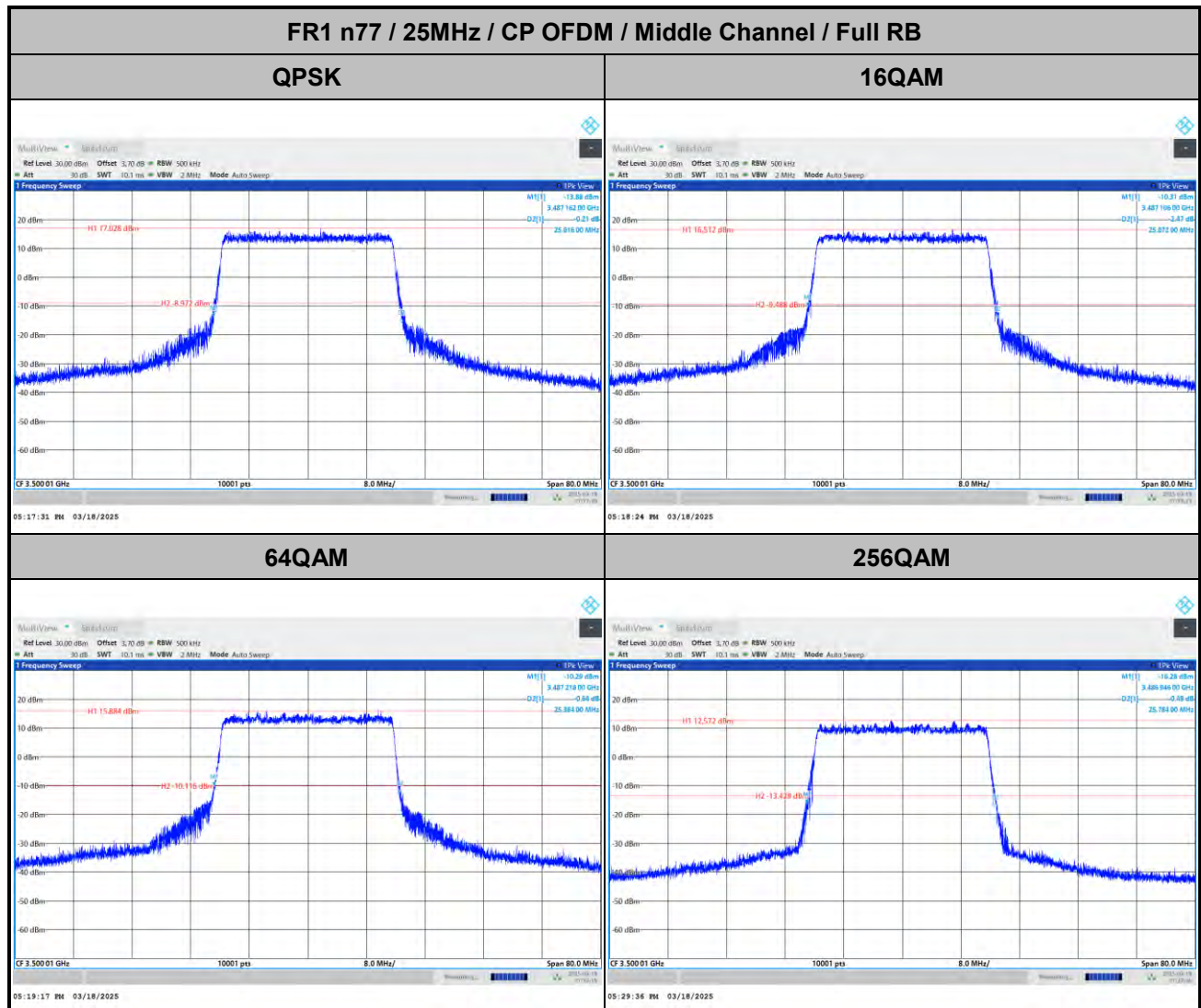


## 64QAM



## 256QAM

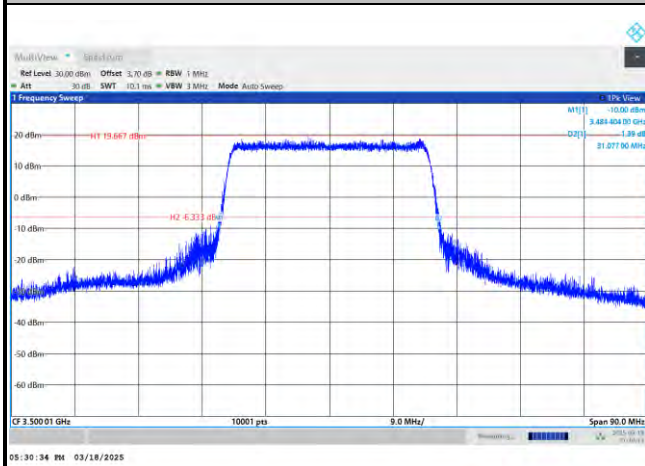




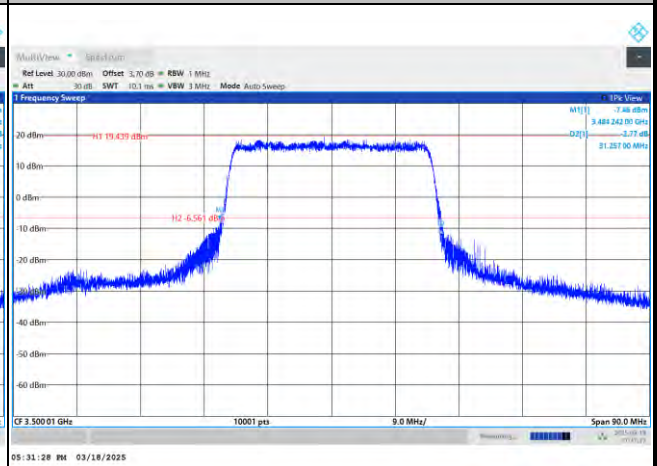


## FR1 n77 / 30MHz / CP OFDM / Middle Channel / Full RB

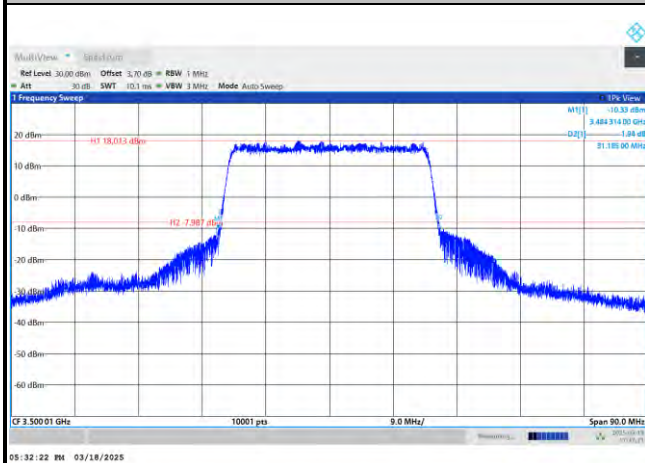
## QPSK



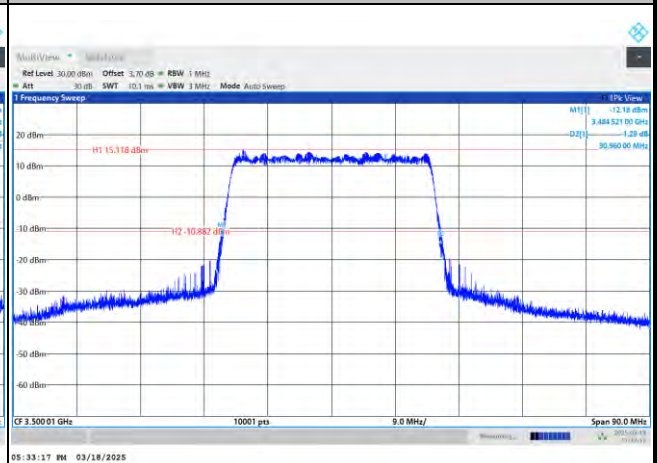
## 16QAM

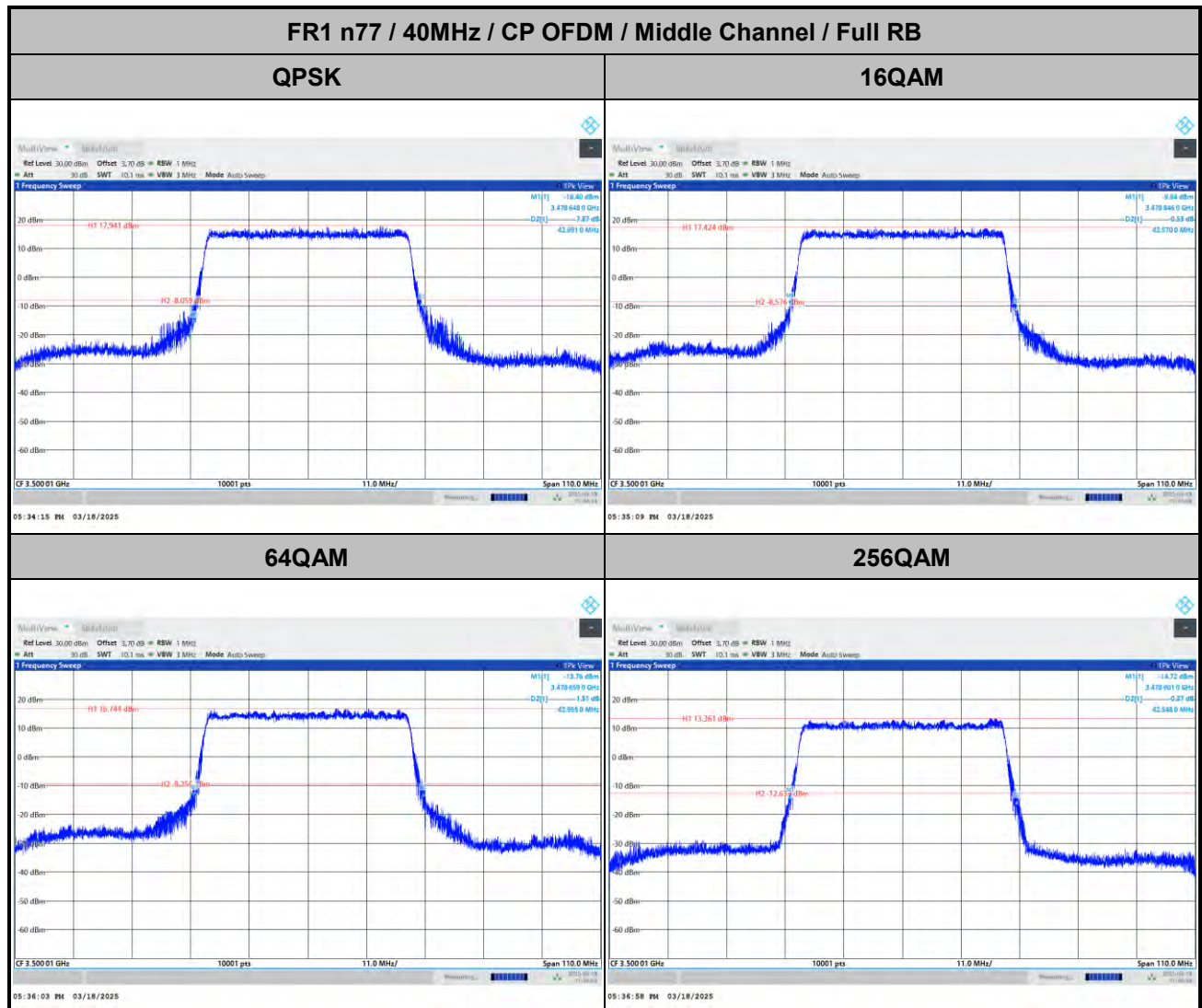


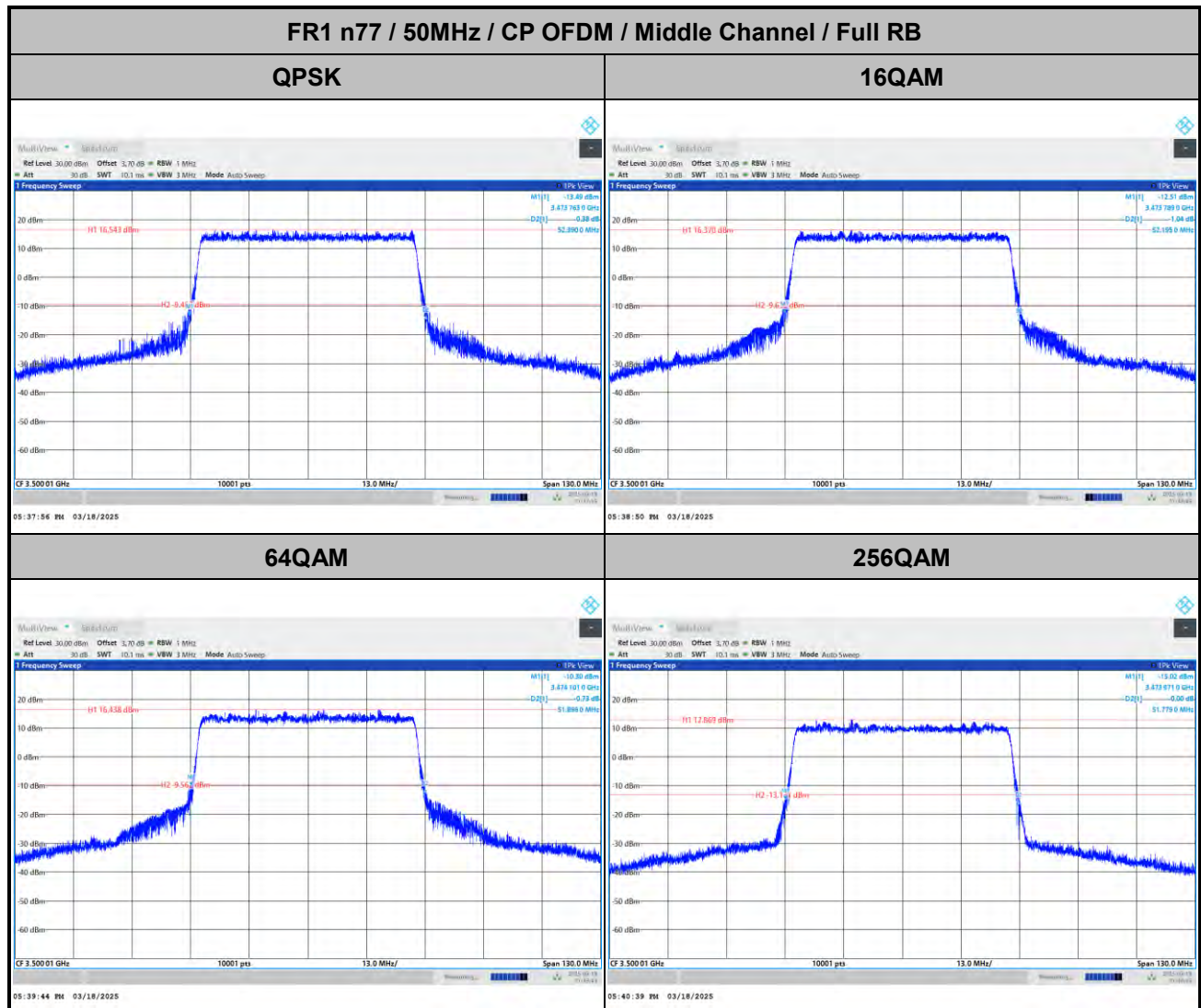
## 64QAM

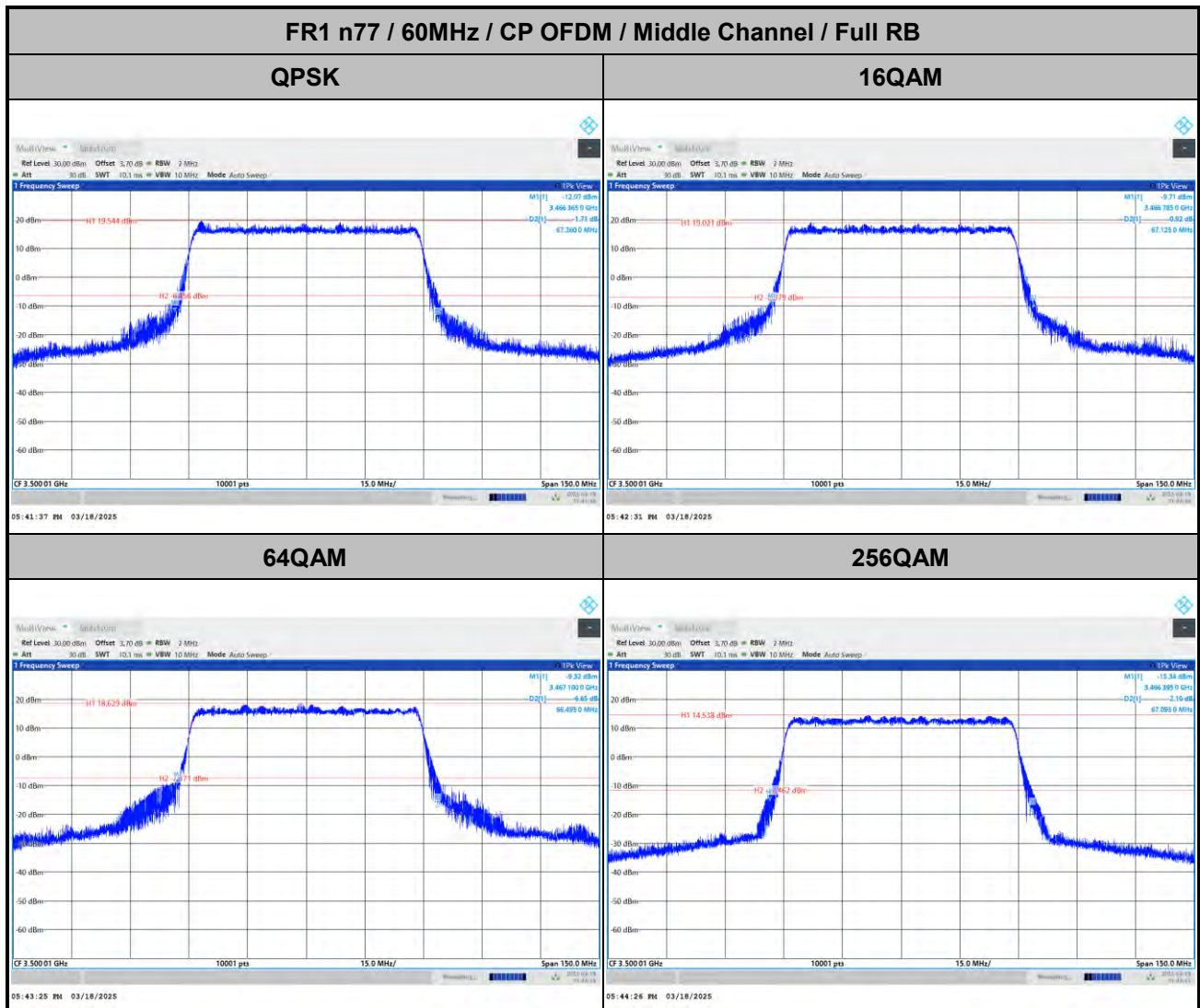


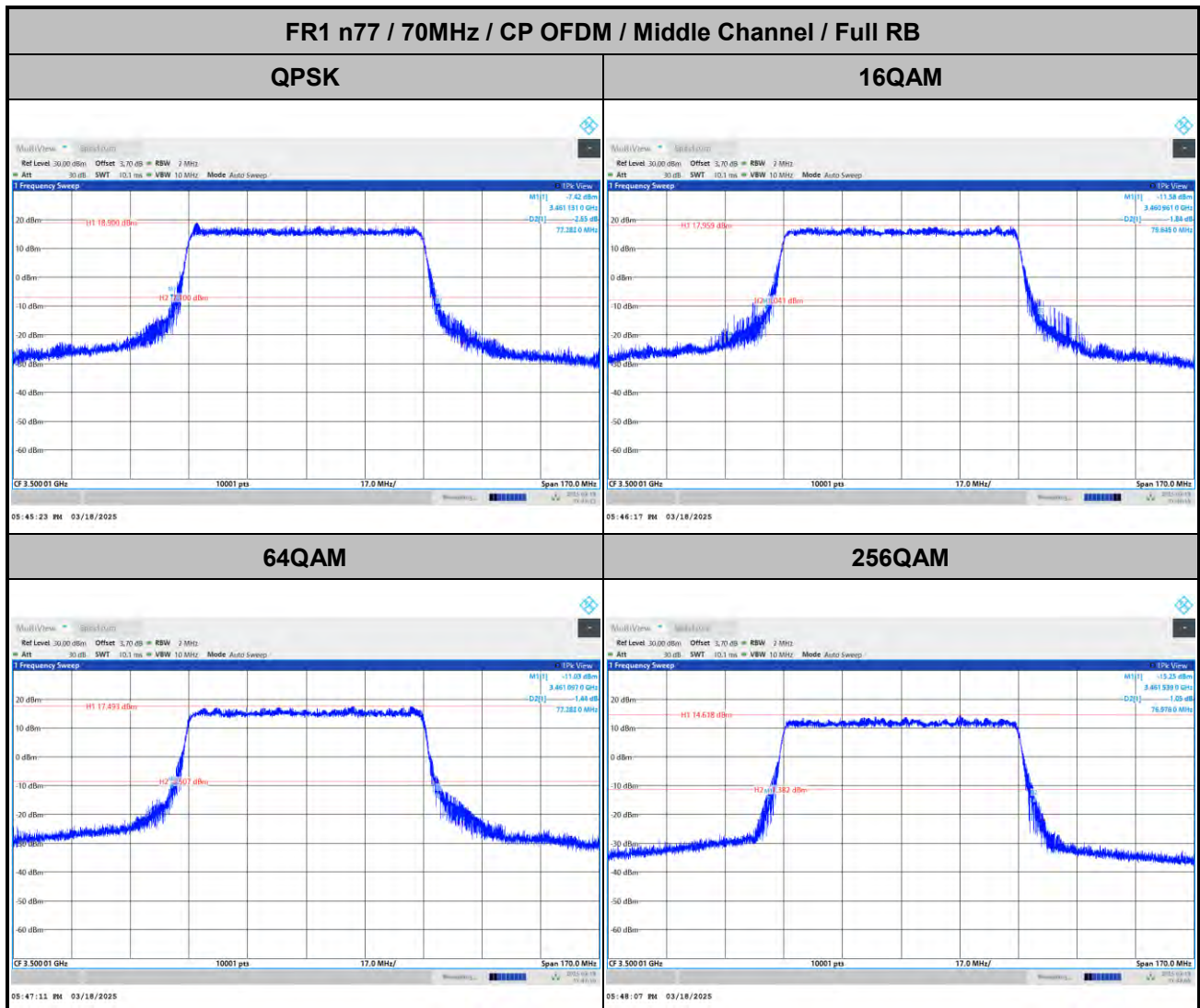
## 256QAM







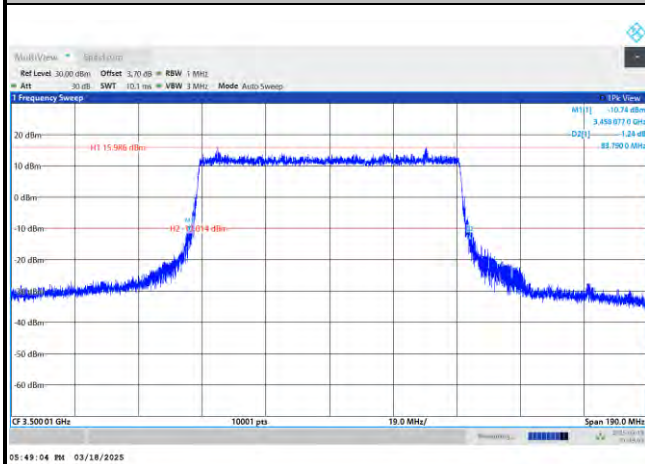




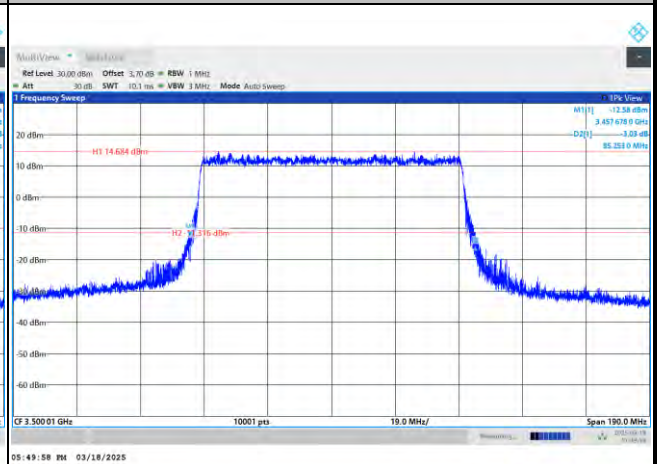


## FR1 n77 / 80MHz / CP OFDM / Middle Channel / Full RB

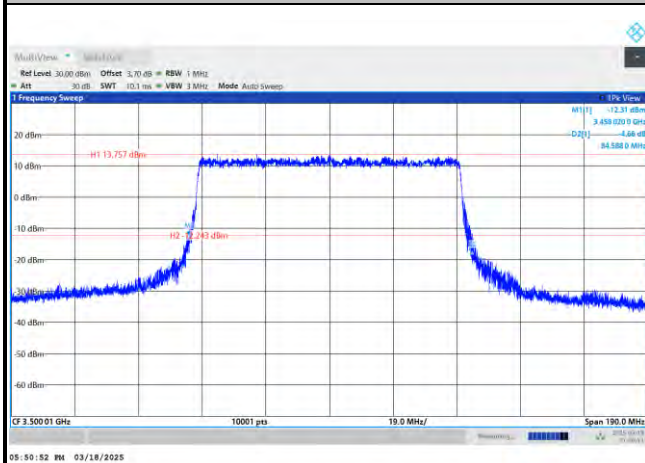
## QPSK



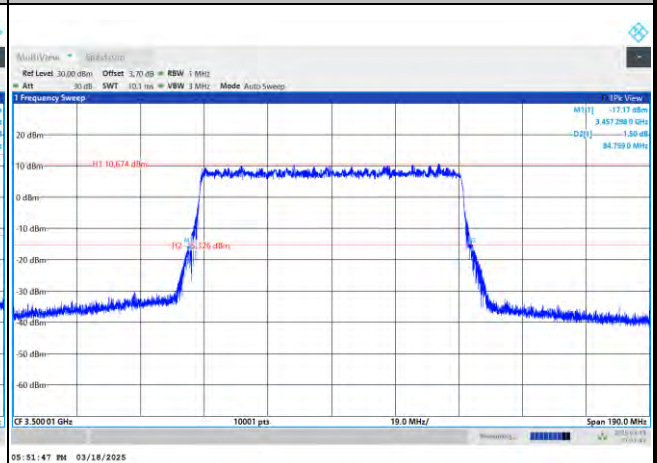
## 16QAM



## 64QAM

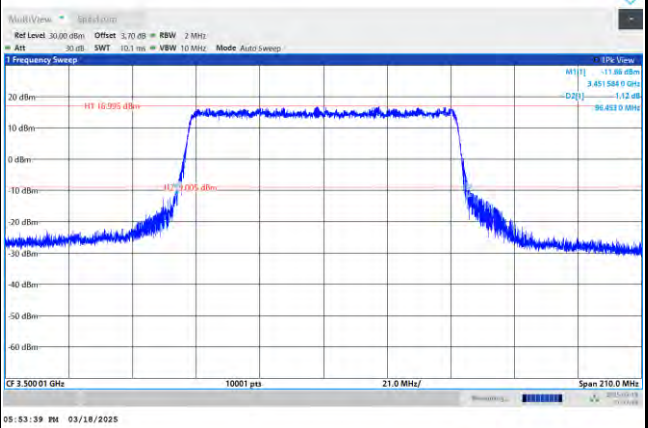


## 256QAM

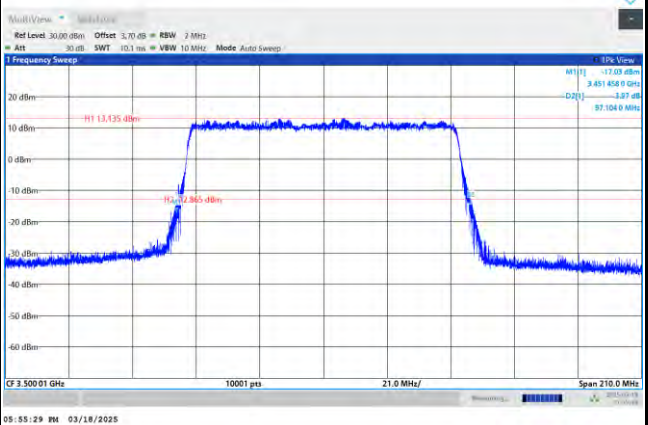


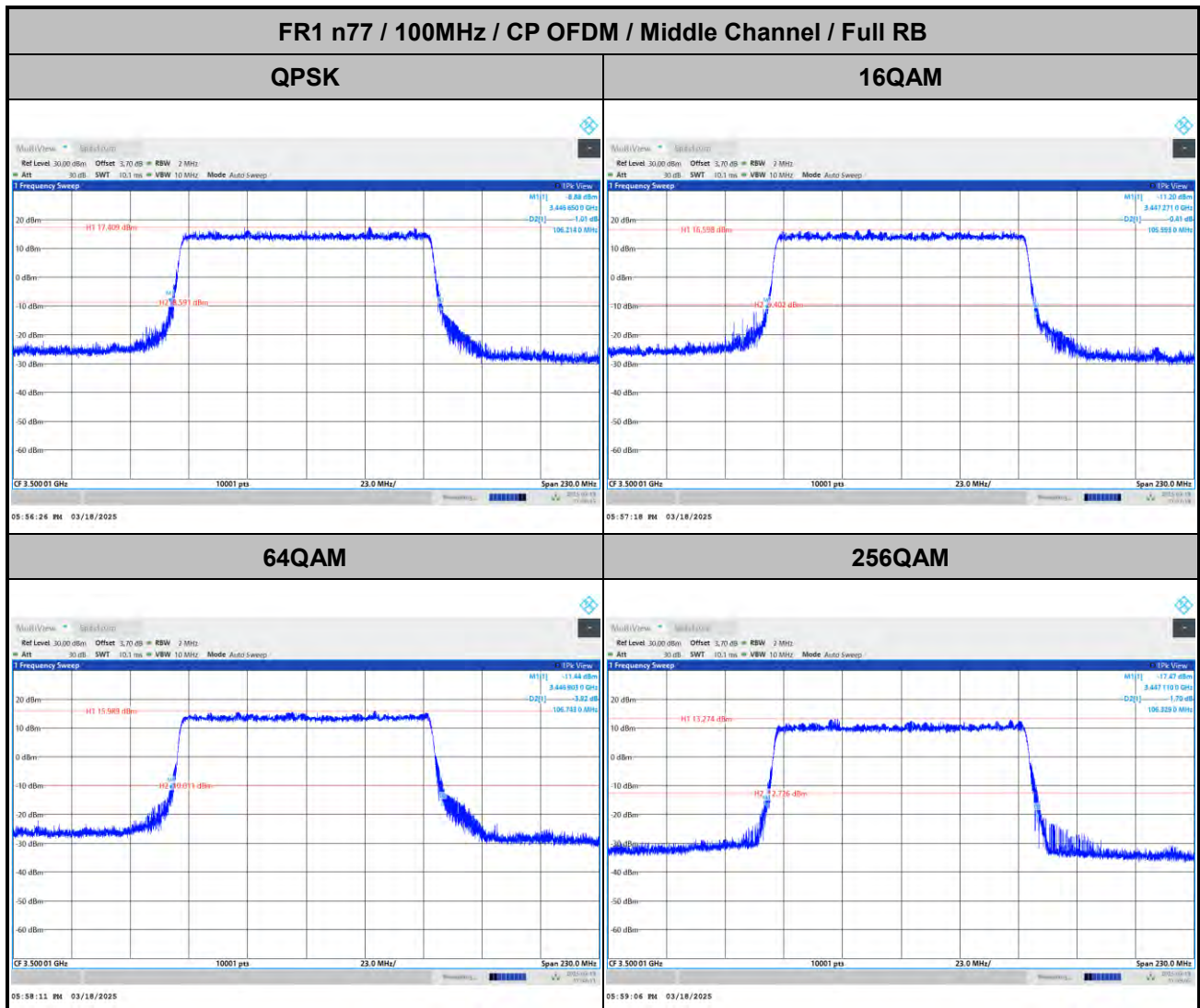


## 16QAM



## 256QAM





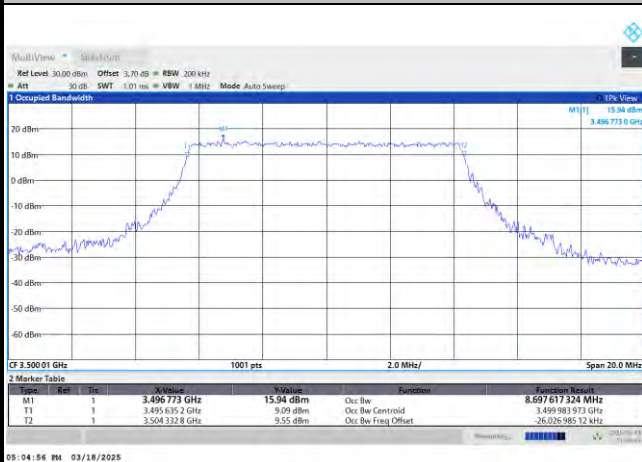
**Occupied Bandwidth**

| Mode      | FR1 n77 : OB BW(MHz) / CP OFDM |        |       |        |       |        |        |        |
|-----------|--------------------------------|--------|-------|--------|-------|--------|--------|--------|
| BW        | 10MHz                          |        | 15MHz |        | 20MHz |        | 25MHz  |        |
| Mod.      | QPSK                           | 16QAM  | QPSK  | 16QAM  | QPSK  | 16QAM  | QPSK   | 16QAM  |
| Middle CH | 8.69                           | 8.73   | 13.66 | 13.68  | 18.37 | 18.42  | 23.33  | 23.36  |
| Mod.      | 64QAM                          | 256QAM | 64QAM | 256QAM | 64QAM | 256QAM | 64QAM  | 256QAM |
| Middle CH | 8.65                           | 8.66   | 13.65 | 13.62  | 18.33 | 18.36  | 23.29  | 23.38  |
| BW        | 30MHz                          |        | 40MHz |        | 50MHz |        | 60MHz  |        |
| Mod.      | QPSK                           | 16QAM  | QPSK  | 16QAM  | QPSK  | 16QAM  | QPSK   | 16QAM  |
| Middle CH | 28.19                          | 28.21  | 38.11 | 38.16  | 47.65 | 47.65  | 58.57  | 58.58  |
| Mod.      | 64QAM                          | 256QAM | 64QAM | 256QAM | 64QAM | 256QAM | 64QAM  | 256QAM |
| Middle CH | 28.22                          | 28.19  | 38.30 | 38.19  | 47.68 | 47.64  | 58.63  | 58.49  |
| BW        | 70MHz                          |        | 80MHz |        | 90MHz |        | 100MHz |        |
| Mod.      | QPSK                           | 16QAM  | QPSK  | 16QAM  | QPSK  | 16QAM  | QPSK   | 16QAM  |
| Middle CH | 68.14                          | 68.25  | 78.04 | 78.06  | 87.83 | 87.99  | 97.85  | 97.75  |
| Mod.      | 64QAM                          | 256QAM | 64QAM | 256QAM | 64QAM | 256QAM | 64QAM  | 256QAM |
| Middle CH | 68.33                          | 68.15  | 78.06 | 77.87  | 88.18 | 88.06  | 97.82  | 97.78  |

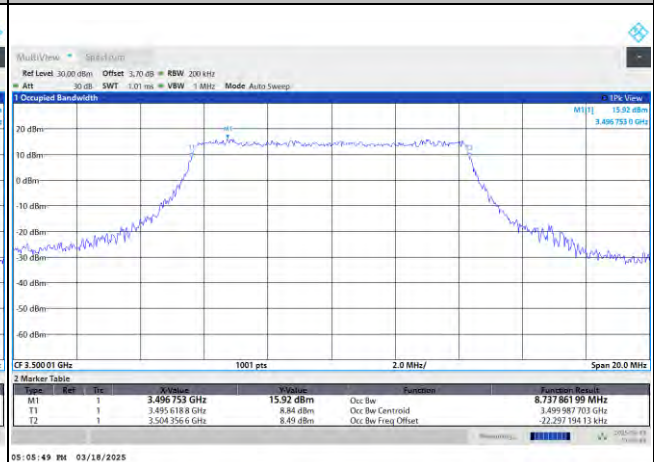


## FR1 n77 / 10MHz / CP OFDM / Middle Channel / Full RB

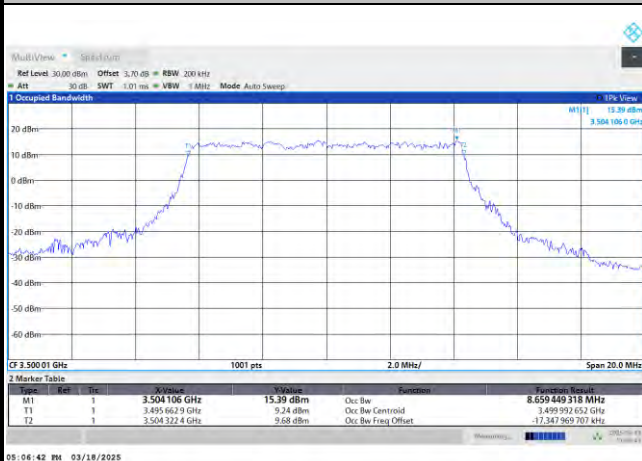
## QPSK



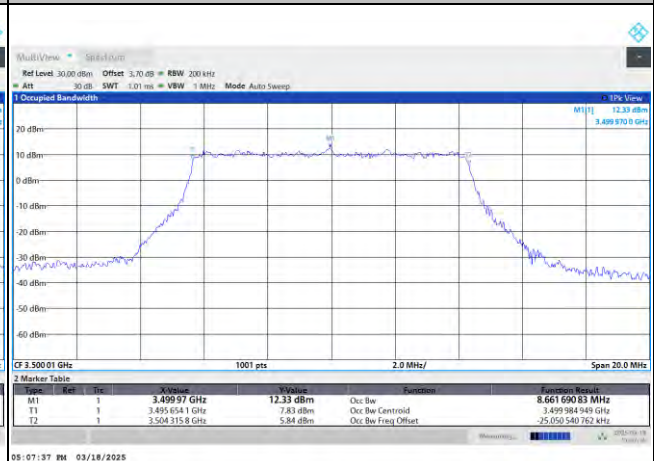
## 16QAM



## 64QAM



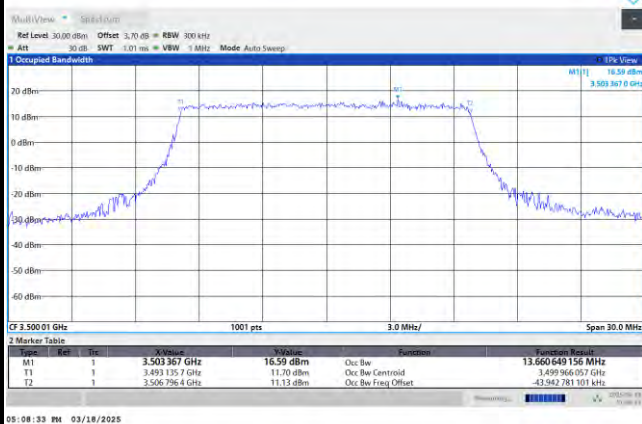
## 256QAM



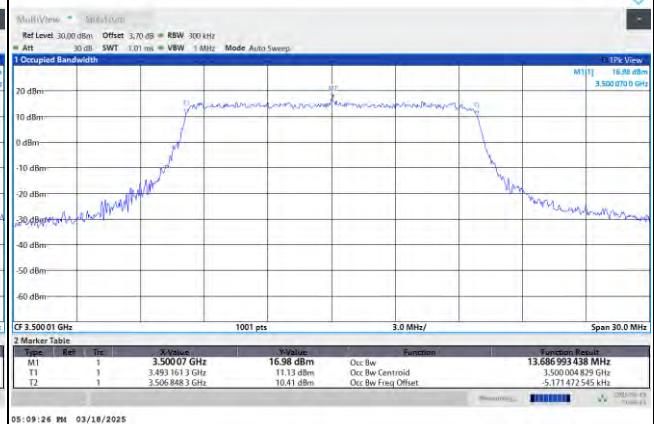


## FR1 n77 / 15MHz / CP OFDM / Middle Channel / Full RB

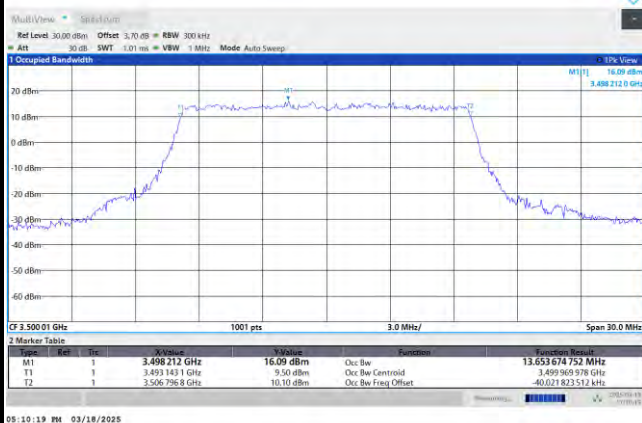
## QPSK



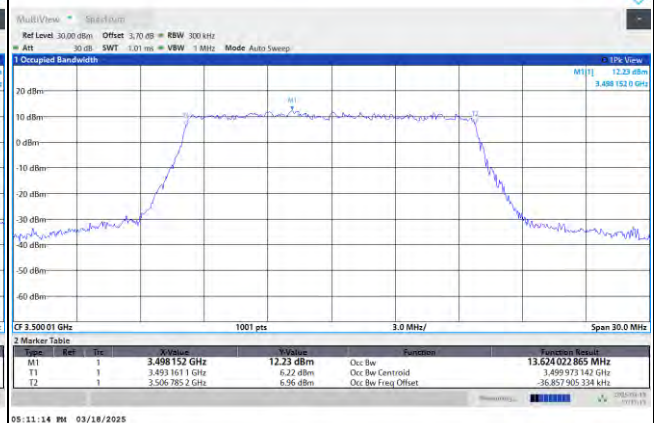
## 16QAM



## 64QAM



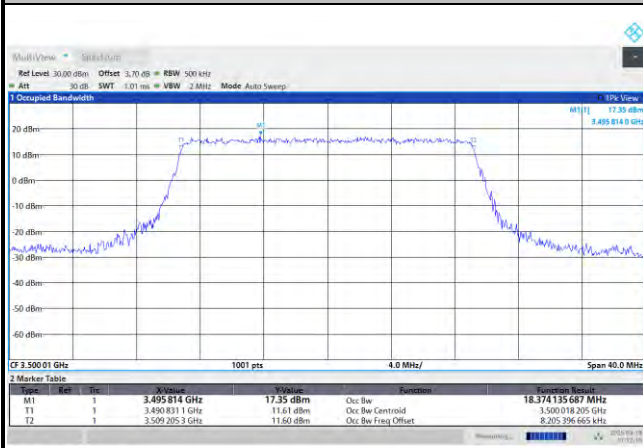
## 256QAM





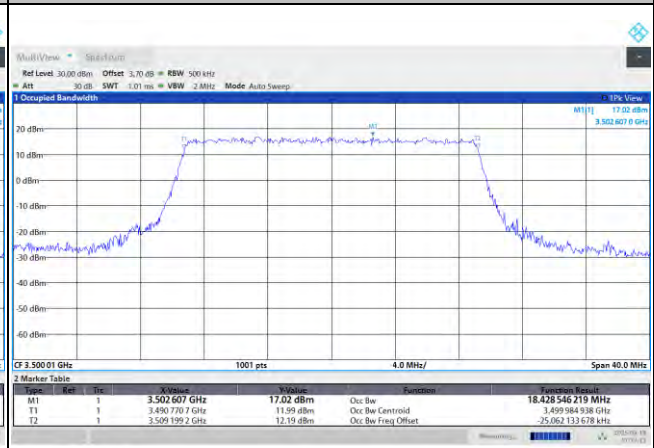
## FR1 n77 / 20MHz / CP OFDM / Middle Channel / Full RB

## QPSK



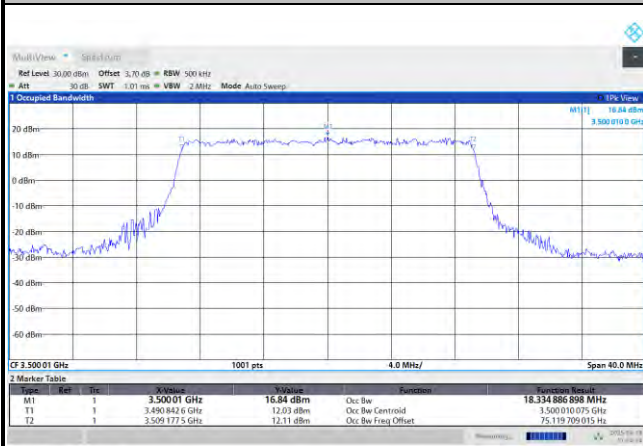
05:12:11 PM 03/18/2025

## 16QAM



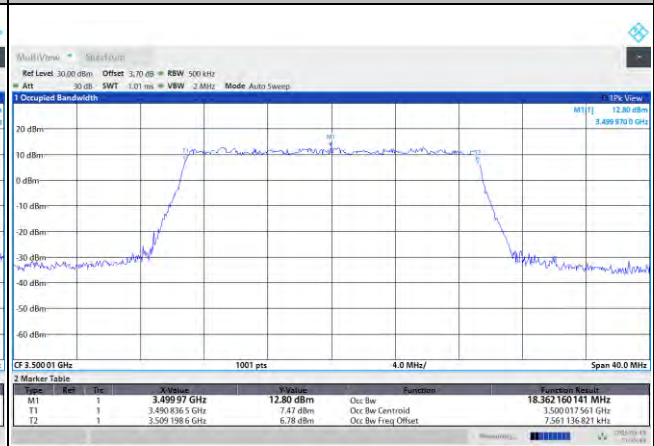
05:13:23 PM 03/18/2025

## 64QAM



05:14:35 PM 03/18/2025

## 256QAM

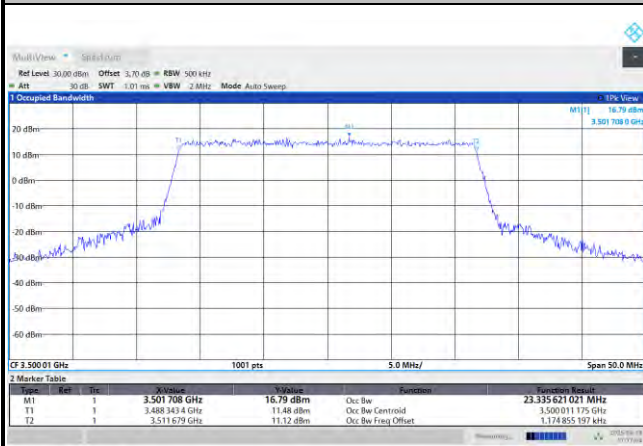


05:15:49 PM 03/18/2025

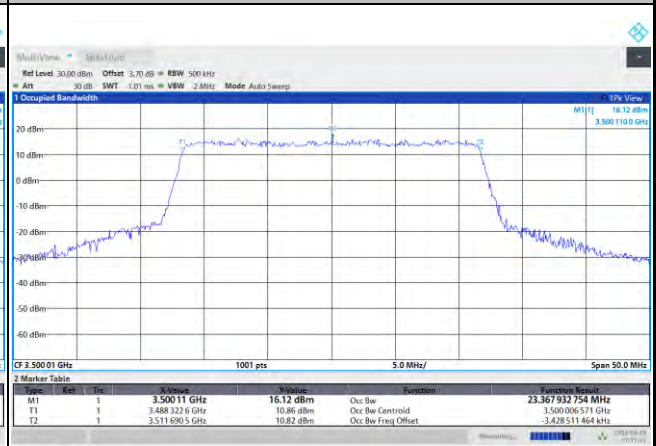


## FR1 n77 / 25MHz / CP OFDM / Middle Channel / Full RB

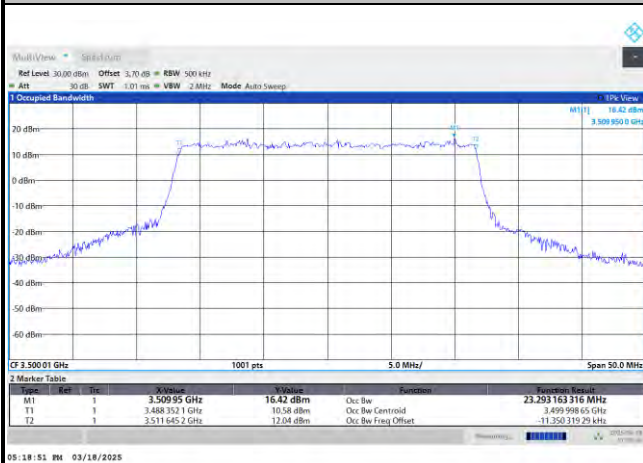
## QPSK



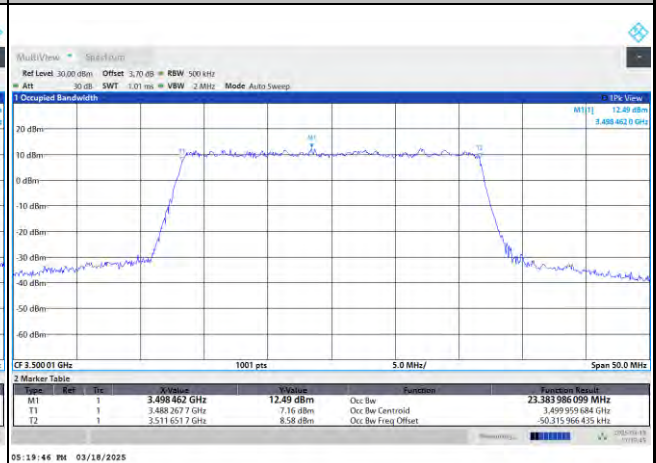
## 16QAM



## 64QAM



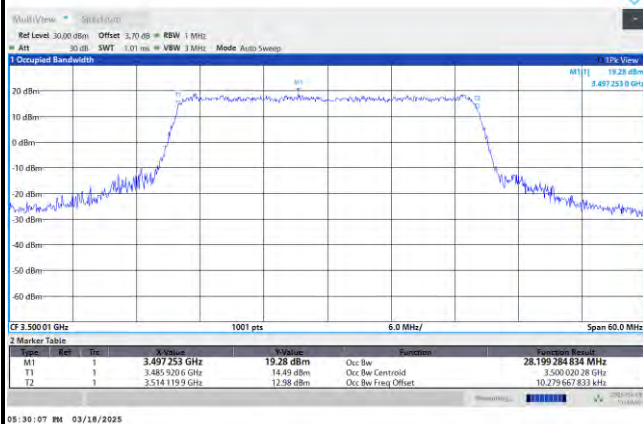
## 256QAM



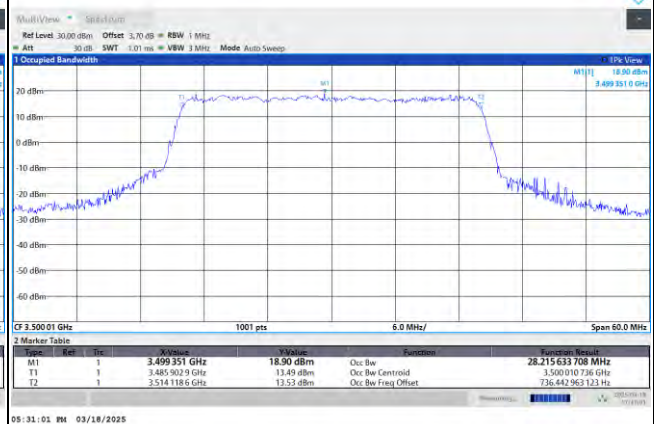


## FR1 n77 / 30MHz / CP OFDM / Middle Channel / Full RB

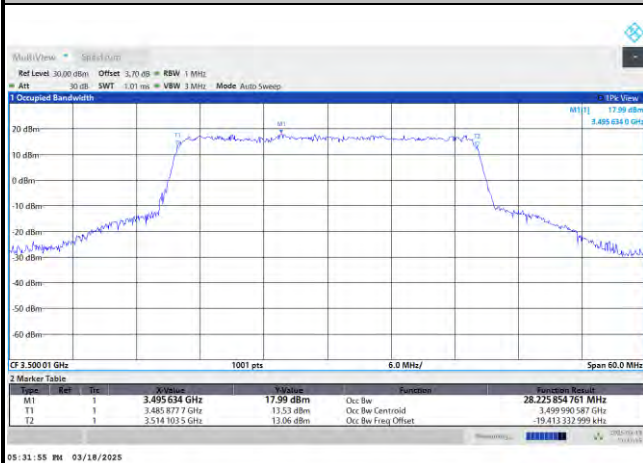
## QPSK



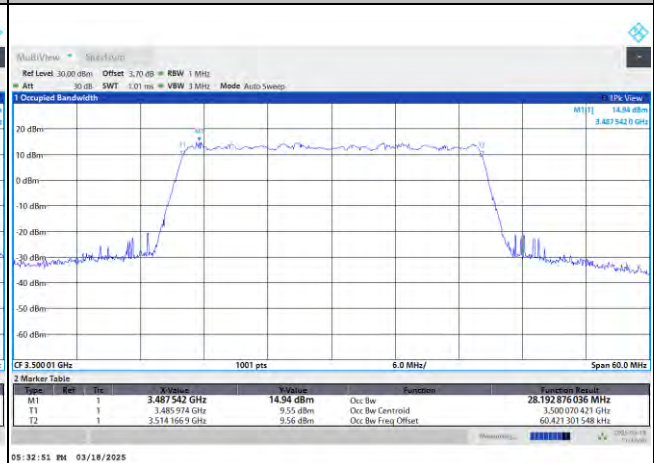
## 16QAM



## 64QAM



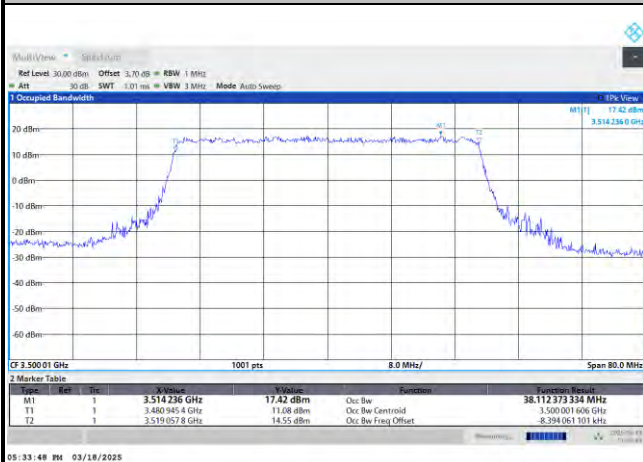
## 256QAM





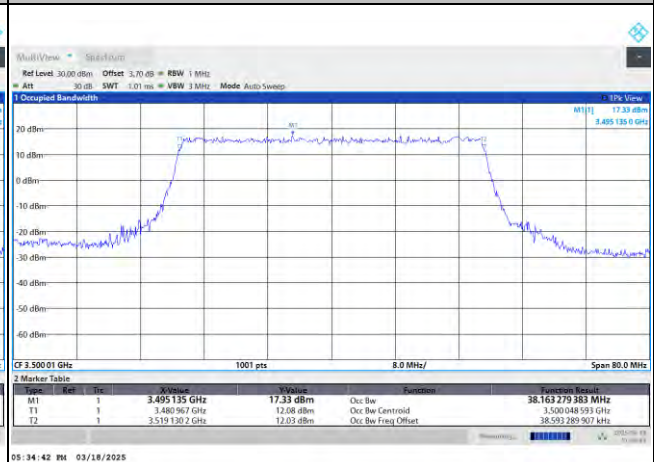
## FR1 n77 / 40MHz / CP OFDM / Middle Channel / Full RB

## QPSK



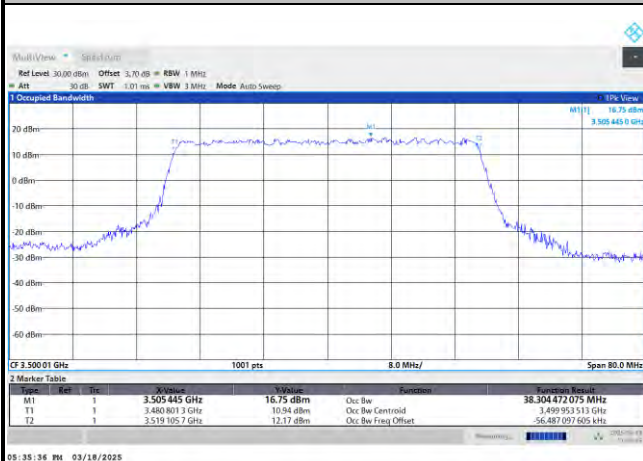
05:33:48 PM 03/18/2025

## 16QAM



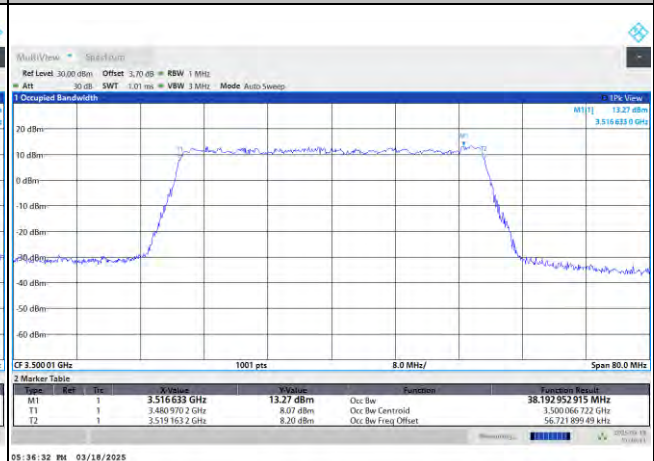
05:34:42 PM 03/18/2025

## 64QAM



05:35:16 PM 03/18/2025

## 256QAM

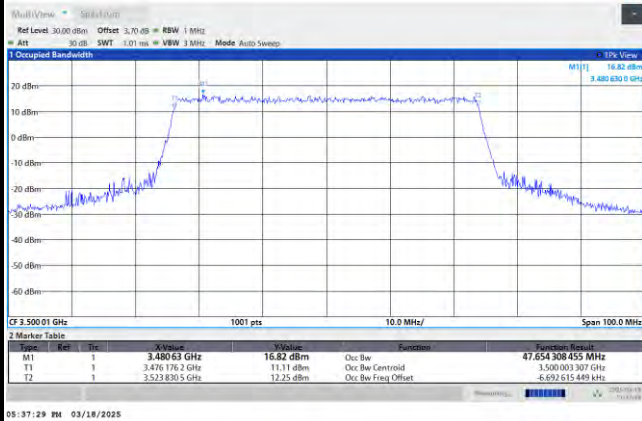


05:36:32 PM 03/18/2025

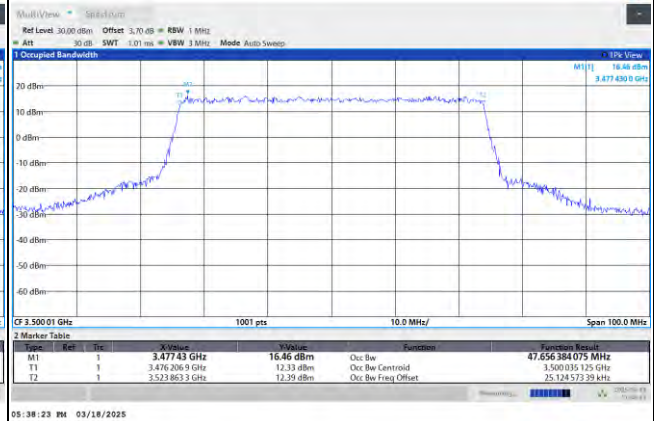


## FR1 n77 / 50MHz / CP OFDM / Middle Channel / Full RB

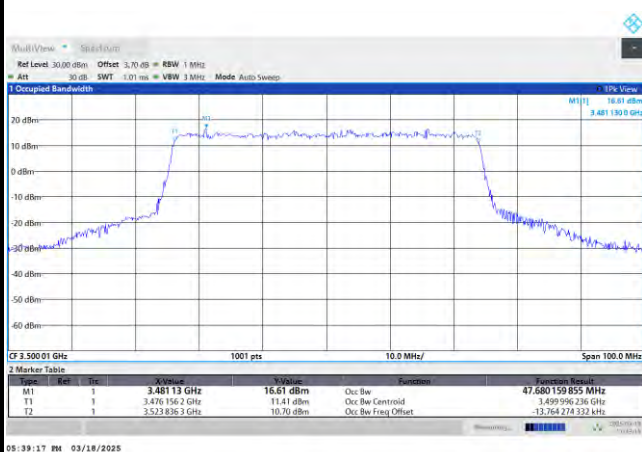
## QPSK



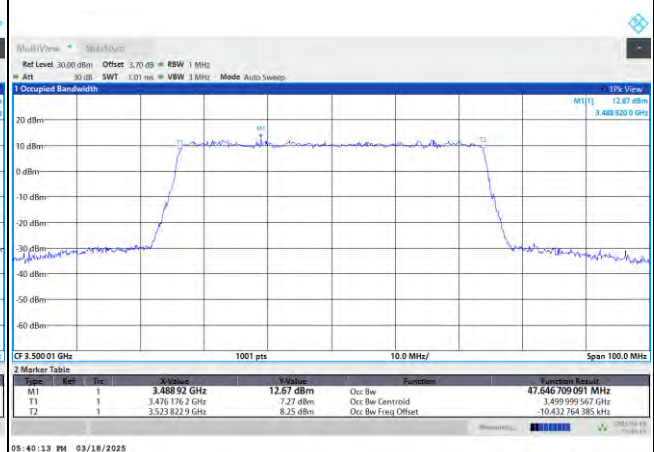
## 16QAM



## 64QAM



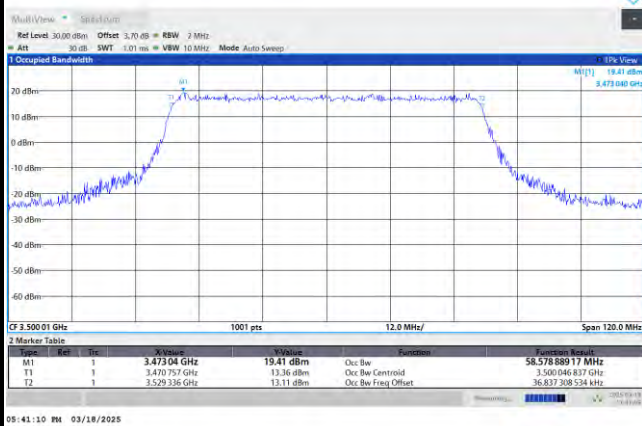
## 256QAM



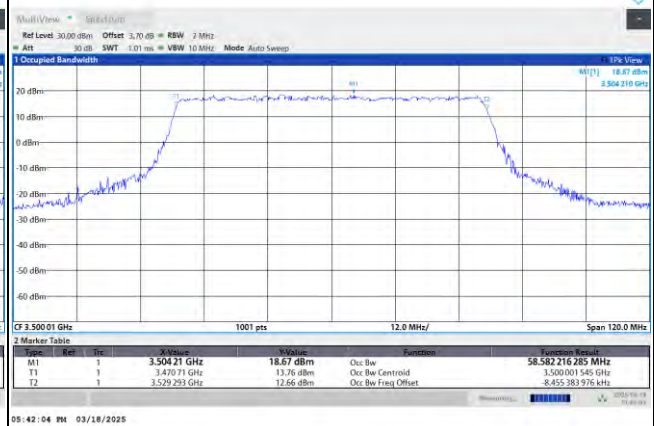


## FR1 n77 / 60MHz / CP OFDM / Middle Channel / Full RB

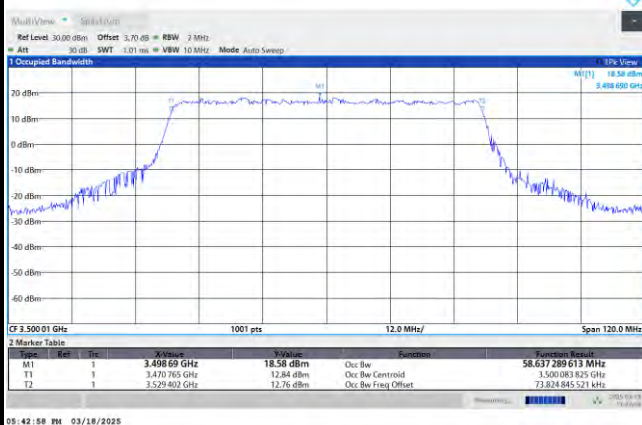
## QPSK



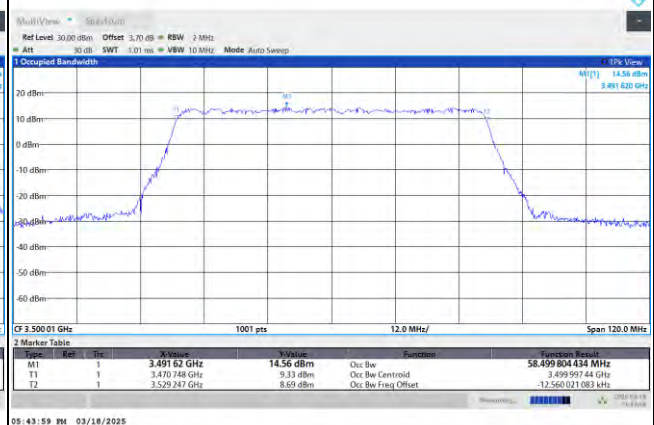
## 16QAM



## 64QAM



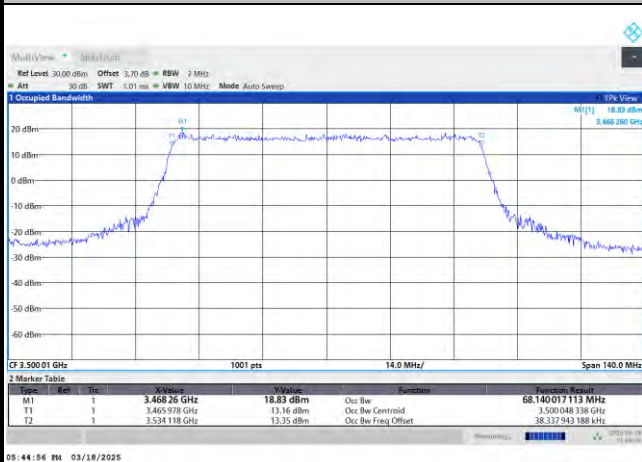
## 256QAM



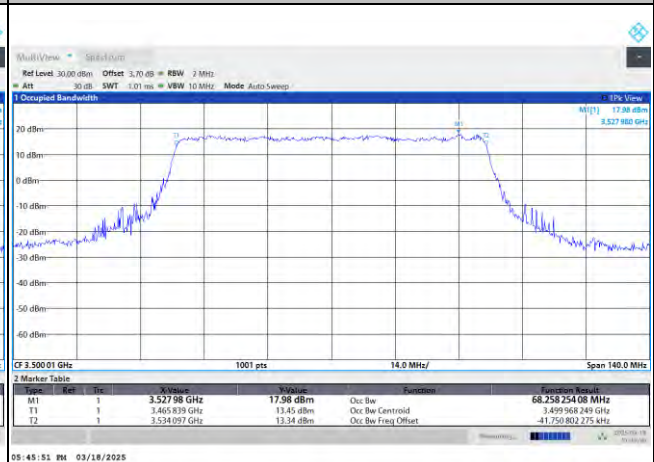


## FR1 n77 / 70MHz / CP OFDM / Middle Channel / Full RB

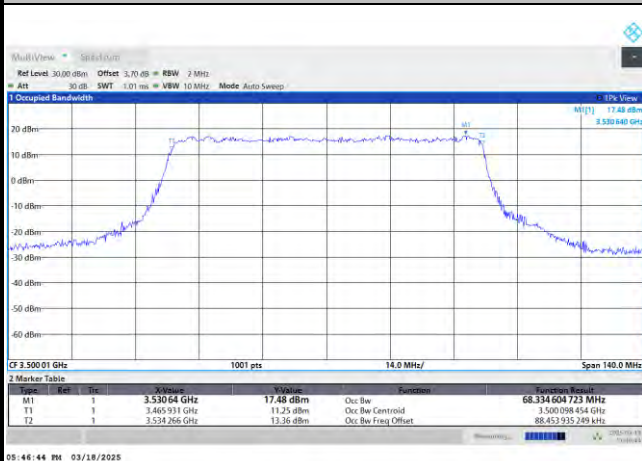
## QPSK



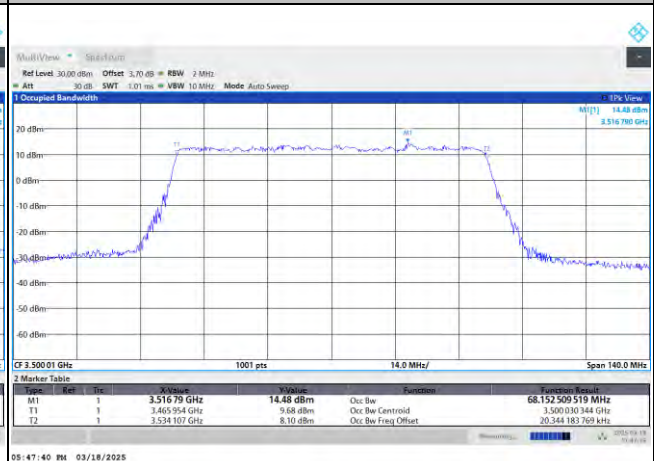
## 16QAM



## 64QAM



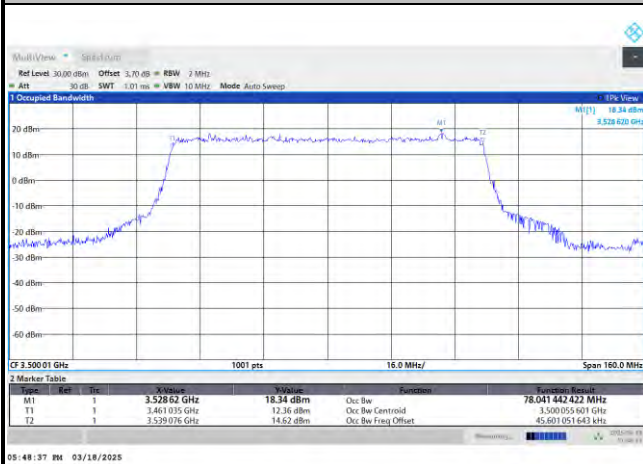
## 256QAM



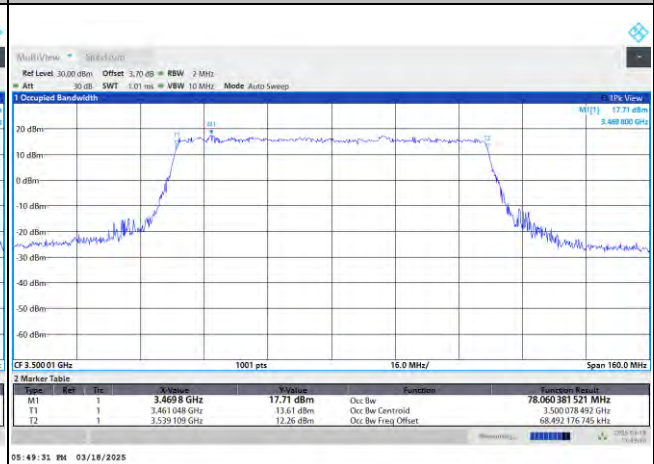


## FR1 n77 / 80MHz / CP OFDM / Middle Channel / Full RB

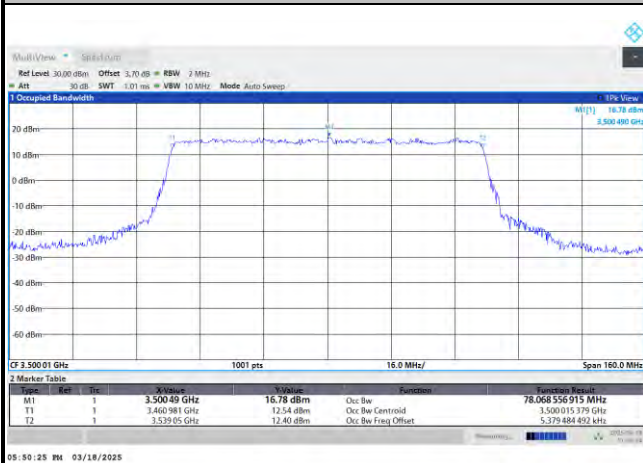
## QPSK



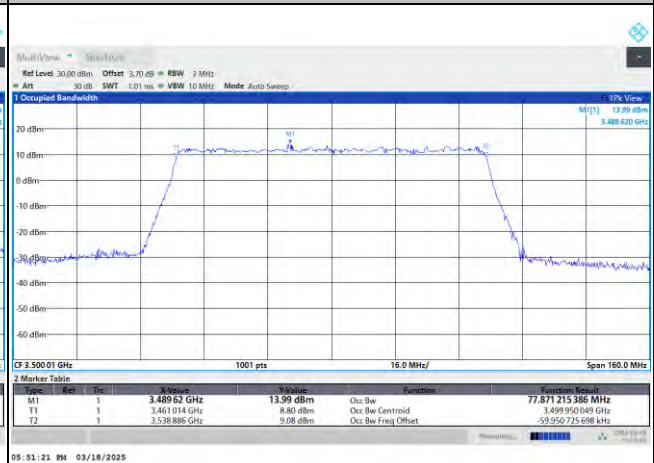
## 16QAM



## 64QAM



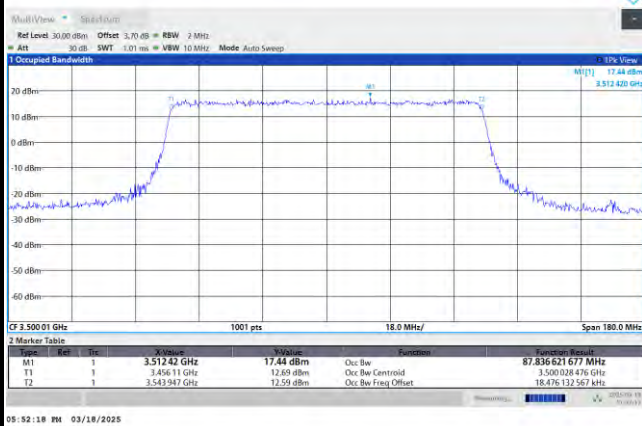
## 256QAM



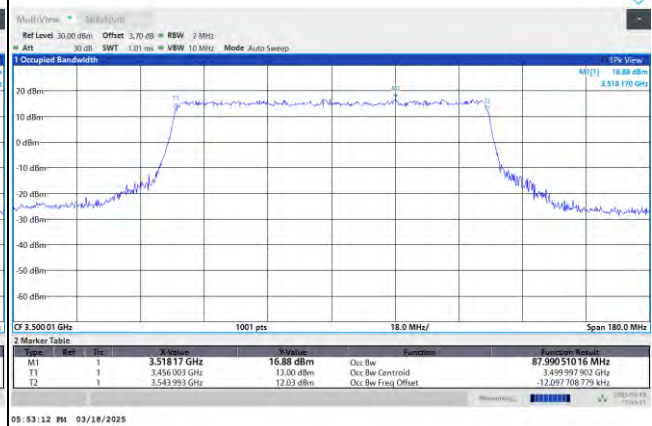


## FR1 n77 / 90MHz / CP OFDM / Middle Channel / Full RB

## QPSK



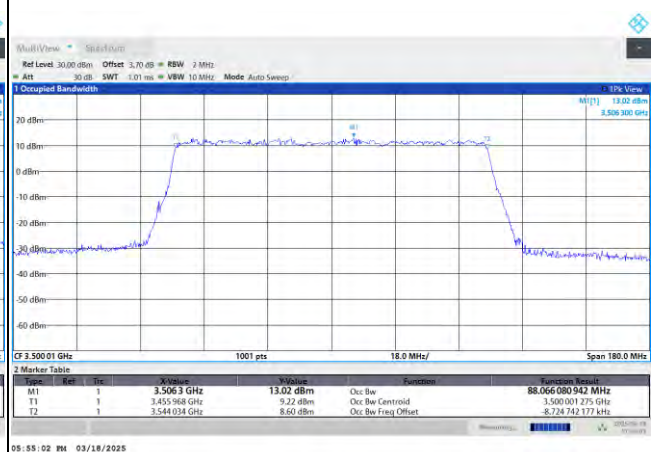
## 16QAM



## 64QAM



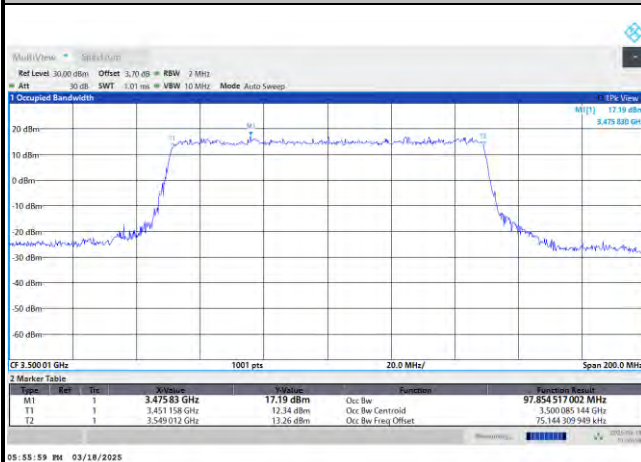
## 256QAM



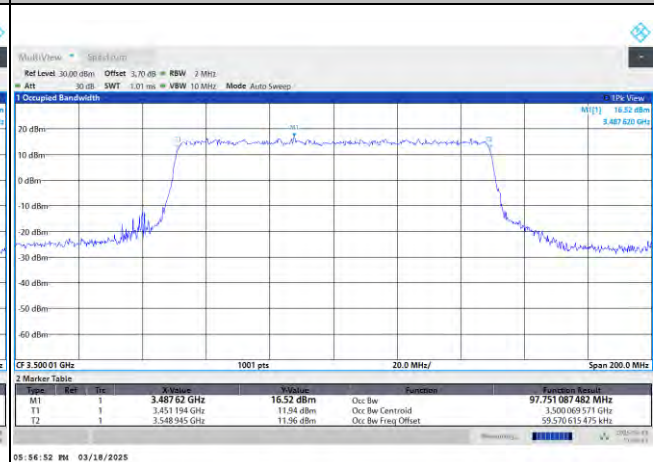


## FR1 n77 / 100MHz / CP OFDM / Middle Channel / Full RB

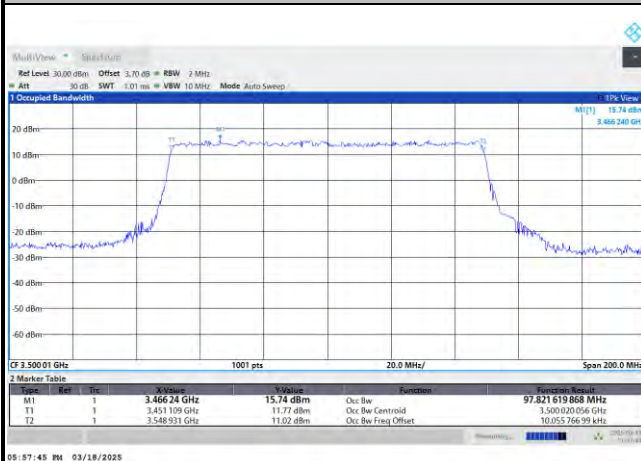
## QPSK



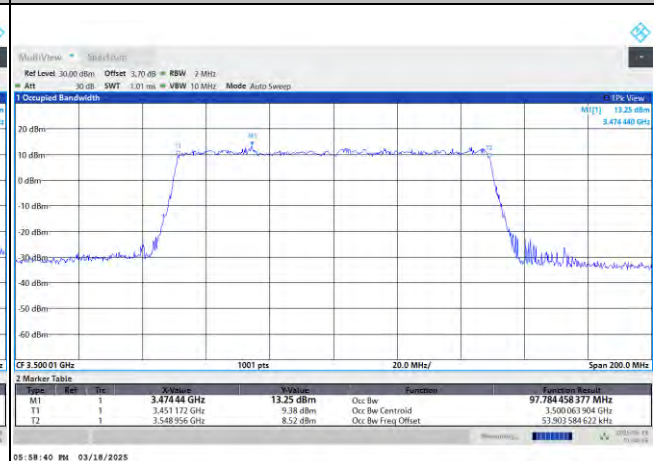
## 16QAM



## 64QAM



## 256QAM

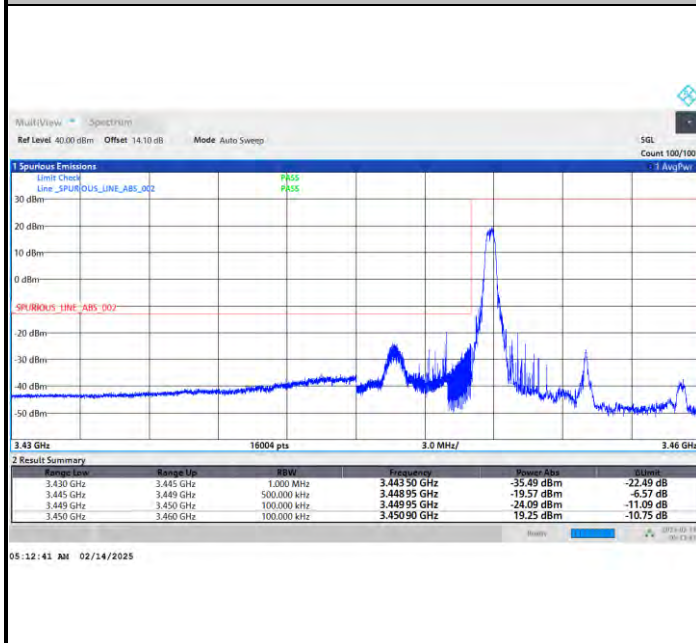




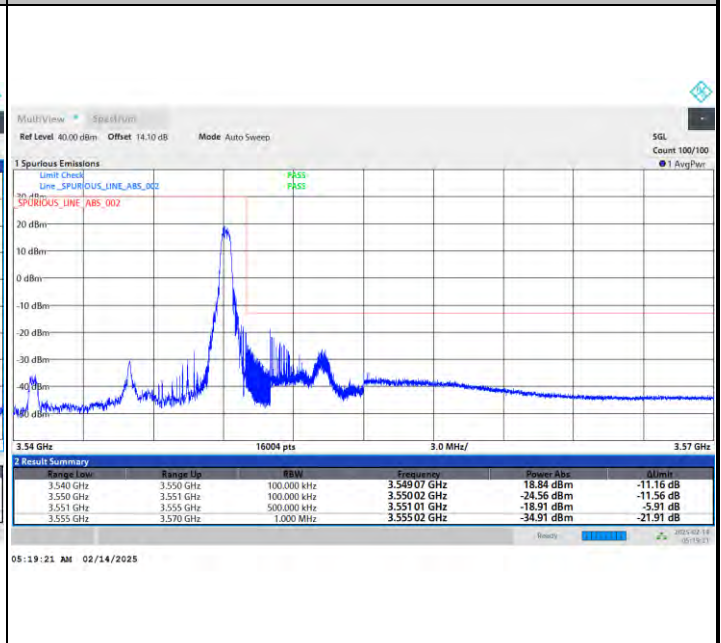
# Conducted Band Edge

FR1 n77 / 10MHz / CP OFDM / QPSK

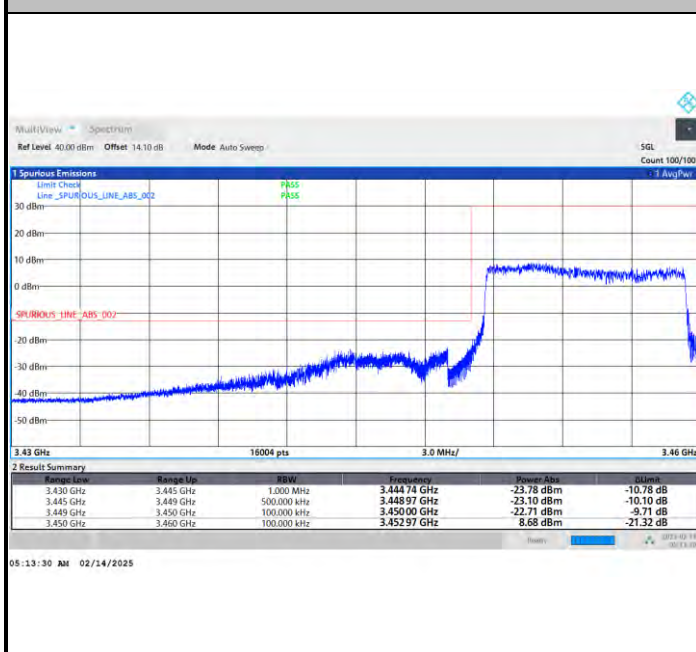
Lowest Band Edge / 1RB0



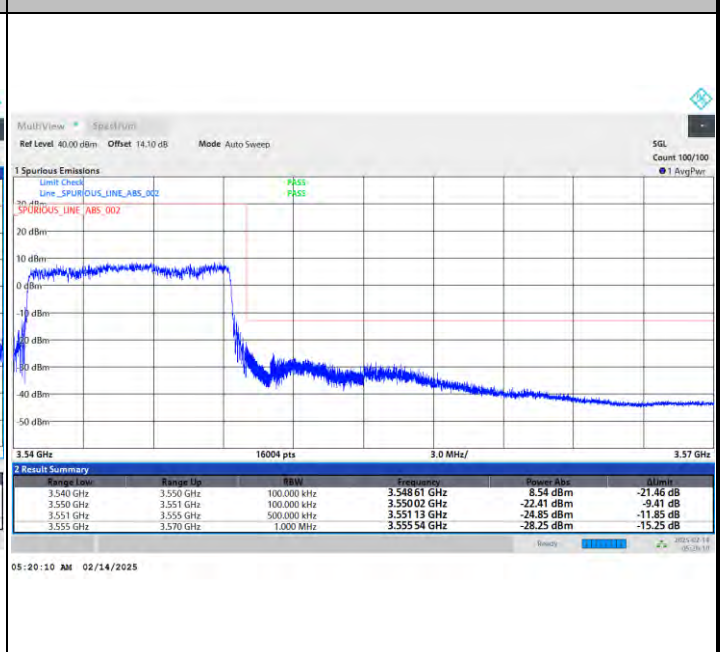
Highest Band Edge / 1RBmax



Lowest Band Edge / Full RB



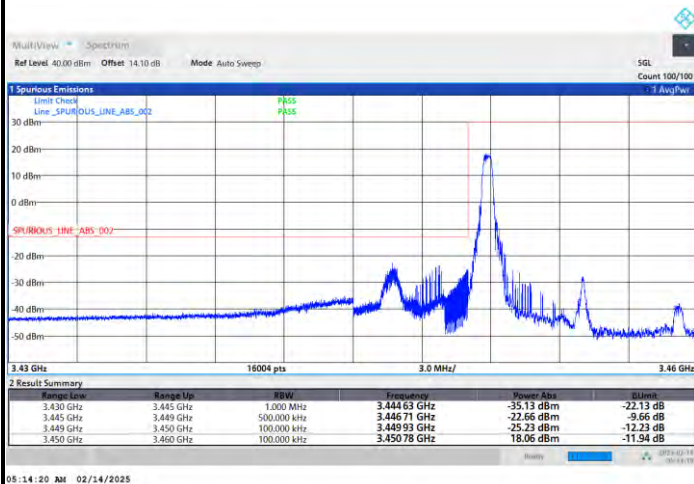
Highest Band Edge / Full RB





## FR1 n77 / 10MHz / CP OFDM / 16QAM

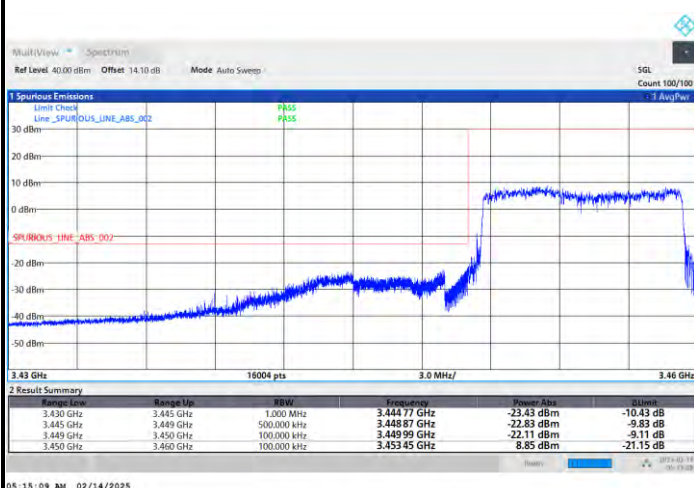
## Lowest Band Edge / 1RB0



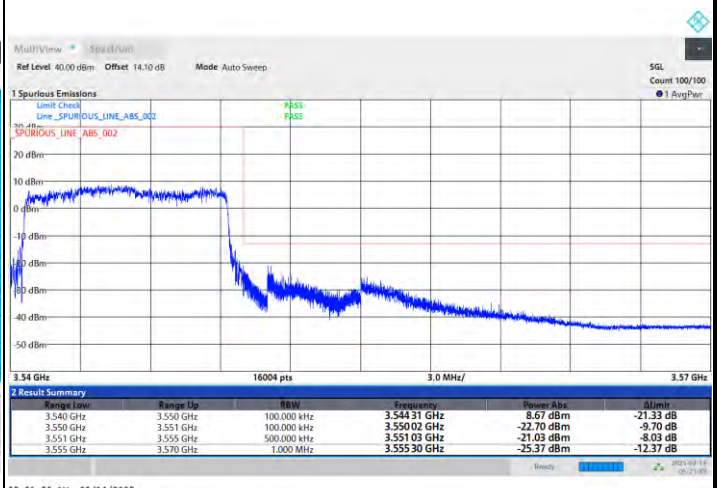
## Highest Band Edge / 1RBmax



## Lowest Band Edge / Full RB



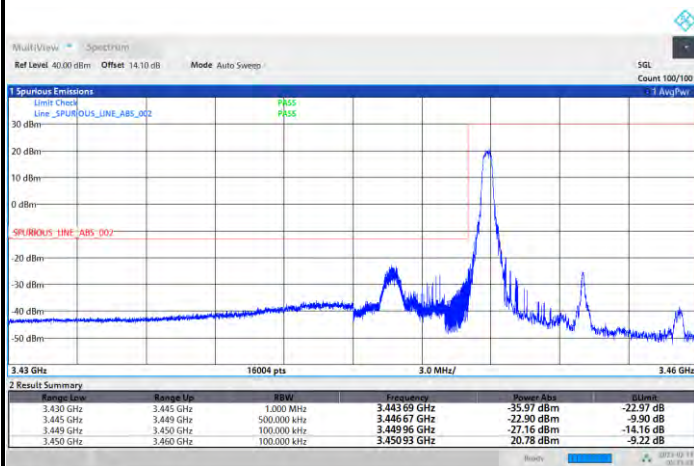
## Highest Band Edge / Full RB



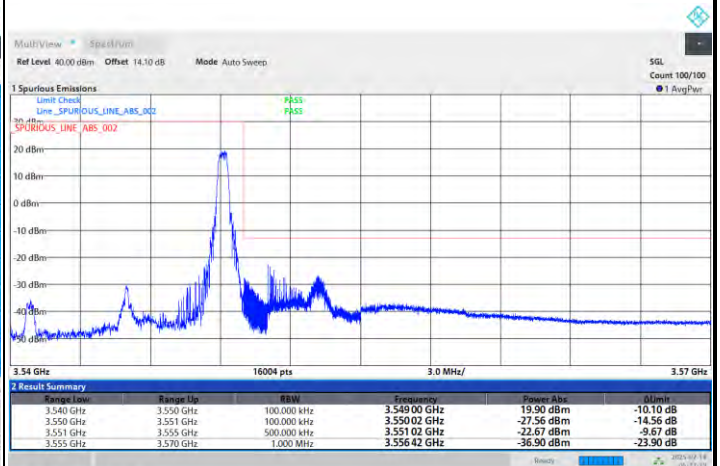


## FR1 n77 / 10MHz / CP OFDM / 64QAM

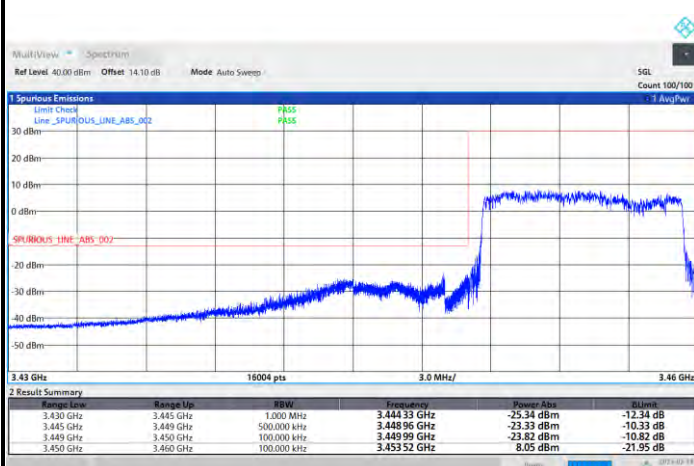
## Lowest Band Edge / 1RB0



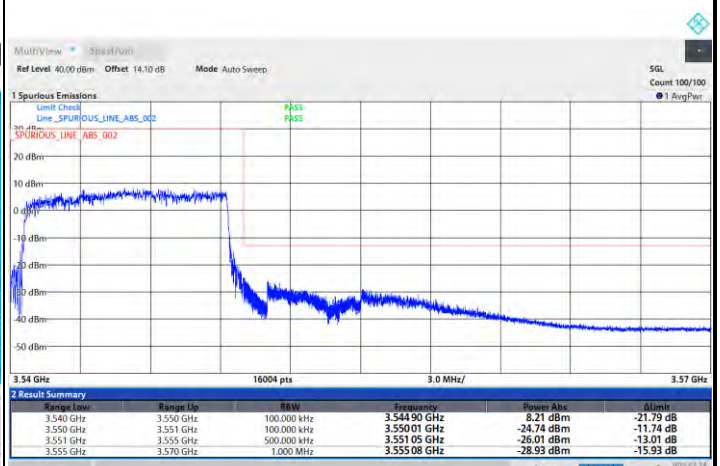
## Highest Band Edge / 1RBmax



## Lowest Band Edge / Full RB



## Highest Band Edge / Full RB

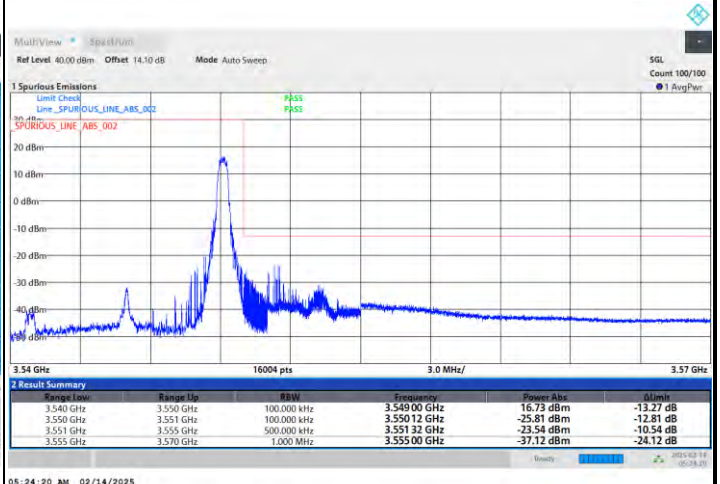
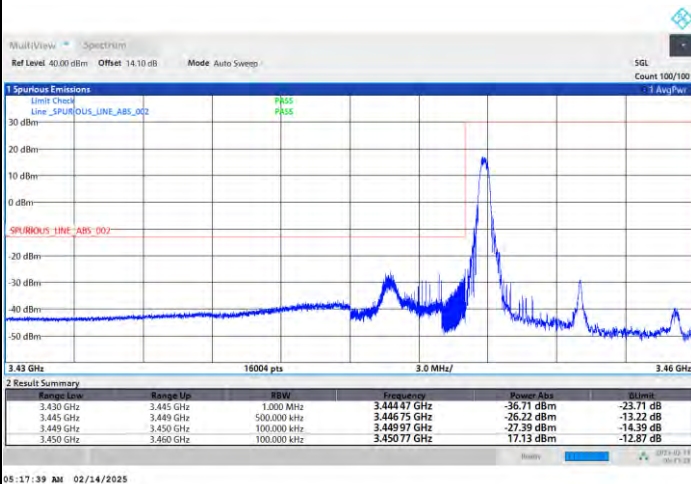




## FR1 n77 / 10MHz / CP OFDM / 256QAM

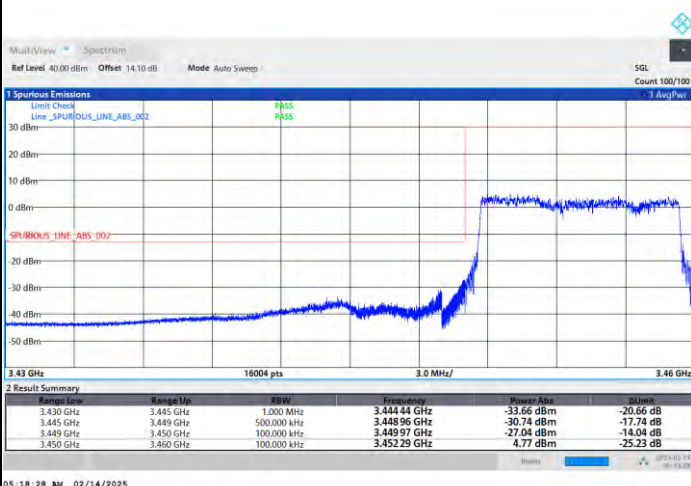
## Lowest Band Edge / 1RB0

## Highest Band Edge / 1RBmax



## Lowest Band Edge / Full RB

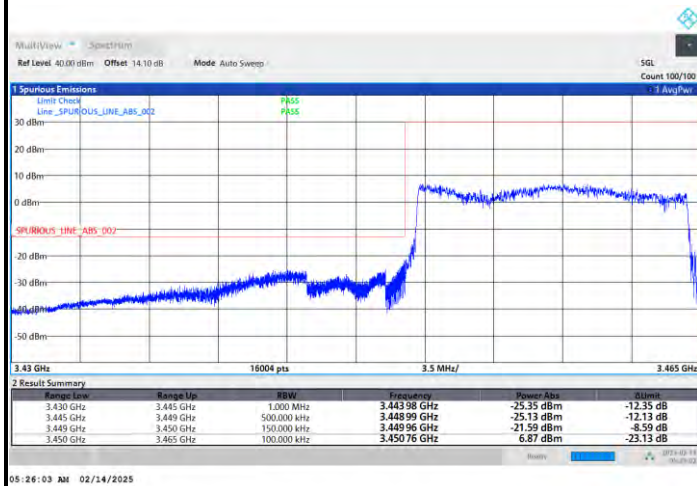
## Highest Band Edge / Full RB



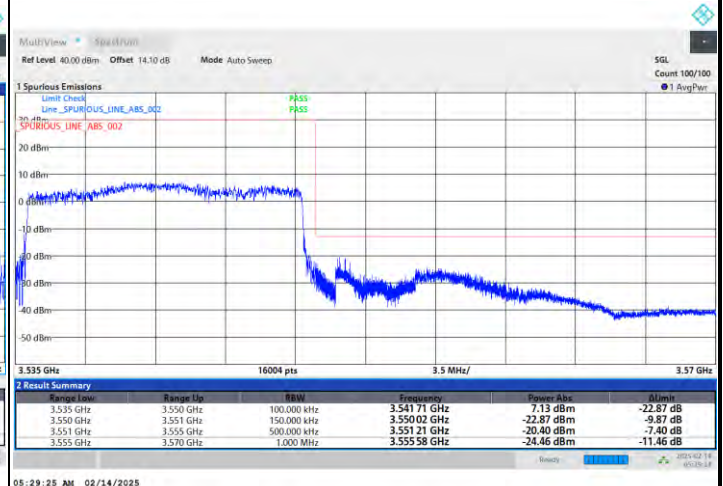


## FR1 n77 / 15MHz / CP OFDM / QPSK

## Lowest Band Edge / Full RB

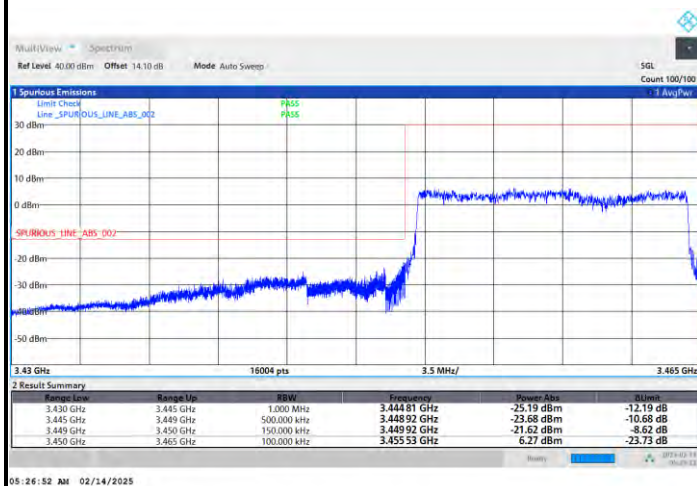


## Highest Band Edge / Full RB



## FR1 n77 / 15MHz / CP OFDM / 16QAM

## Lowest Band Edge / Full RB



## Highest Band Edge / Full RB

