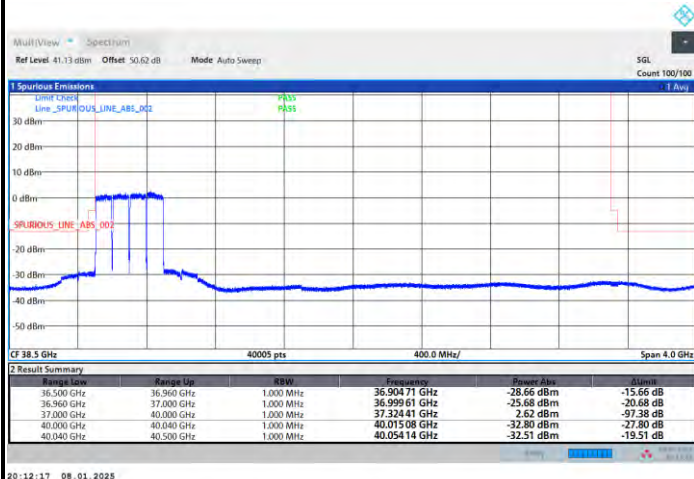




## DFT-s-OFDM Module B

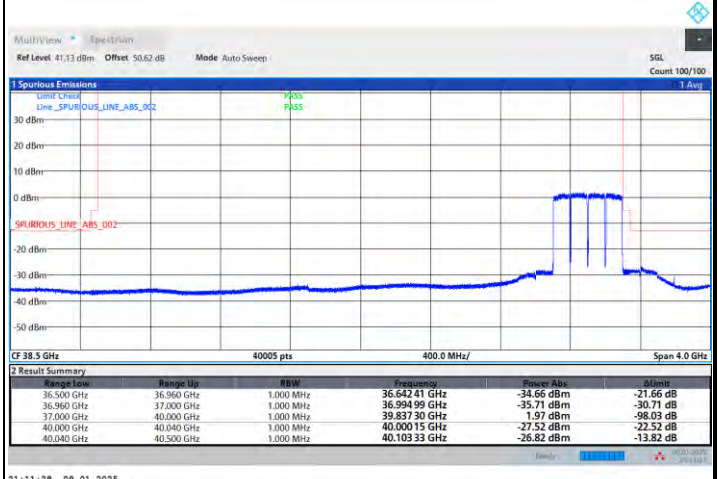
## NR Band n260 / 400MHz / QPSK

## Lowest Band Edge / Full RB



20:12:17 08.01.2025

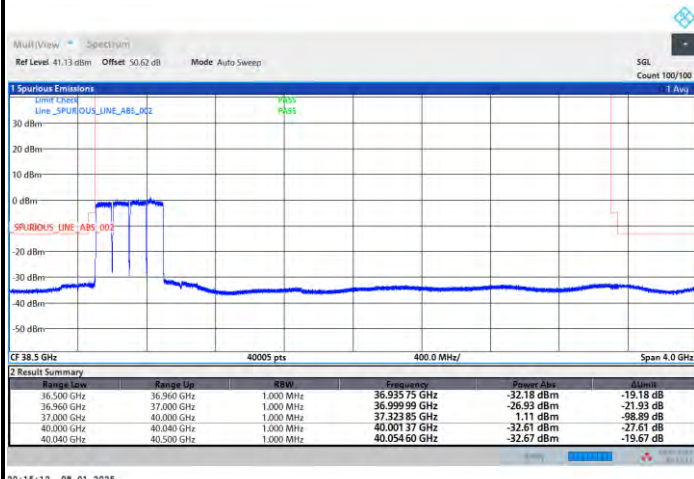
## Highest Band Edge / Full RB



21:11:28 09.01.2025

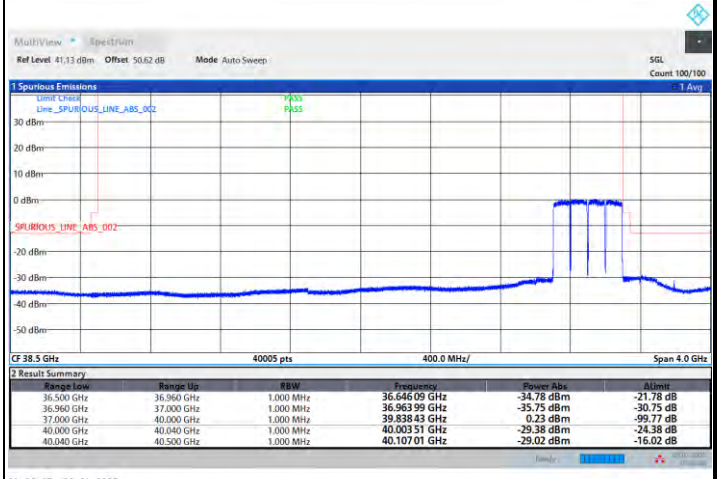
## NR Band n260 / 400MHz / 16QAM

## Lowest Band Edge / Full RB



20:15:12 08.01.2025

## Highest Band Edge / Full RB



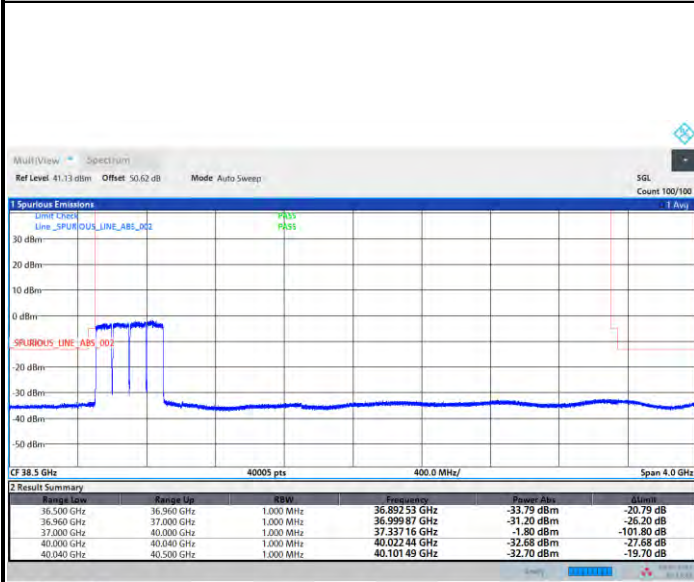
21:06:47 09.01.2025



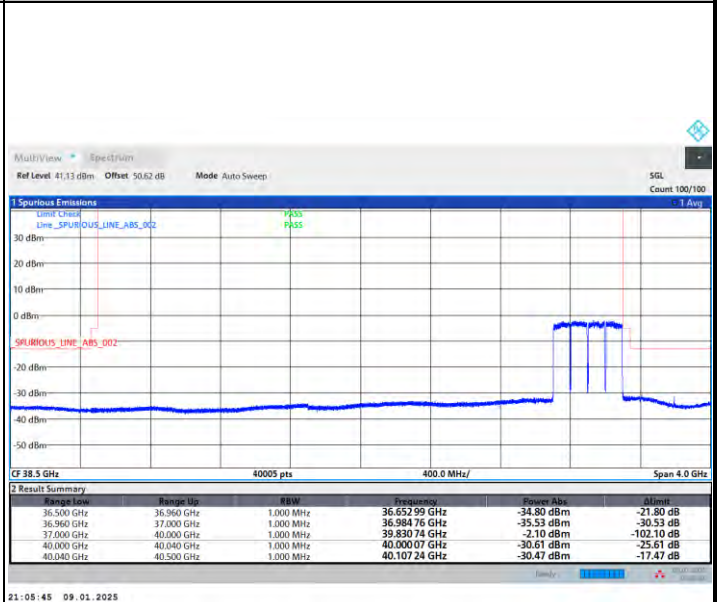
## DFT-s-OFDM Module B

## NR Band n260 / 400MHz / 64QAM

## Lowest Band Edge / Full RB



## Highest Band Edge / Full RB

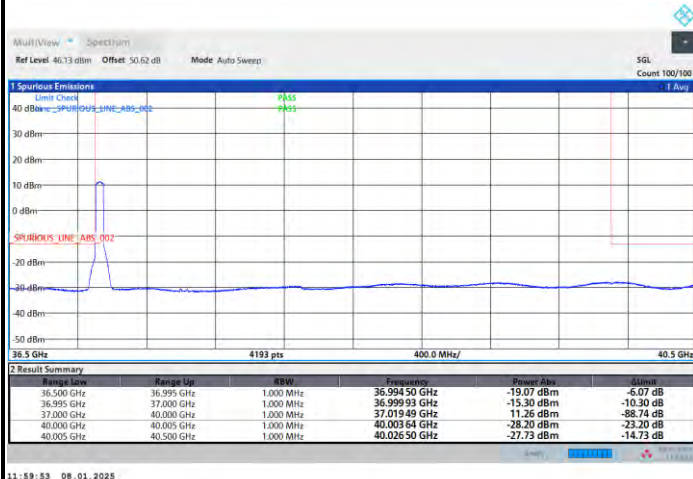




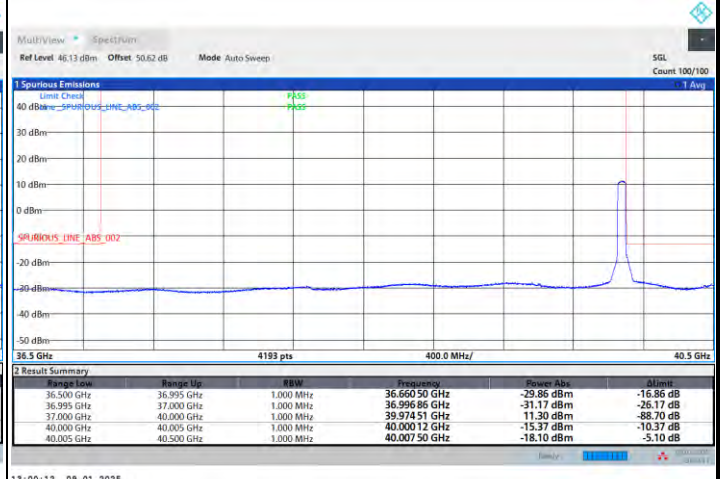
## CP-OFDM Module B

## NR Band n260 / 50MHz / QPSK

## Lowest Band Edge / Full RB

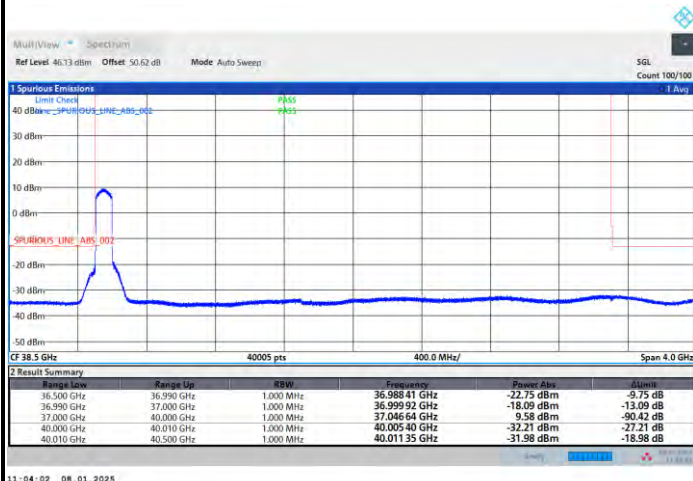


## Highest Band Edge / Full RB



## NR Band n260 / 100MHz / QPSK

## Lowest Band Edge / Full RB



## Highest Band Edge / Full RB

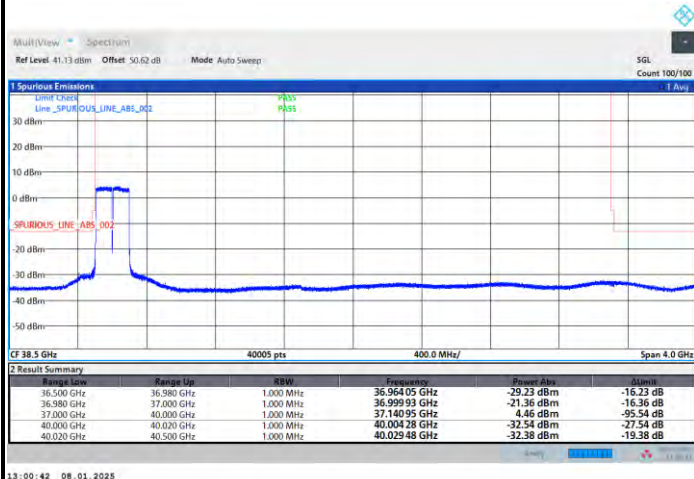




## CP-OFDM Module B

## NR Band n260 / 200MHz / QPSK

## Lowest Band Edge / Full RB

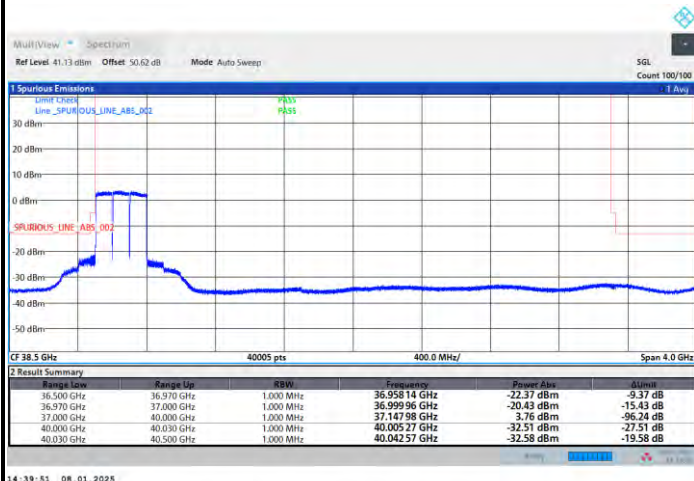


## Highest Band Edge / Full RB



## NR Band n260 / 300MHz / QPSK

## Lowest Band Edge / Full RB



## Highest Band Edge / Full RB



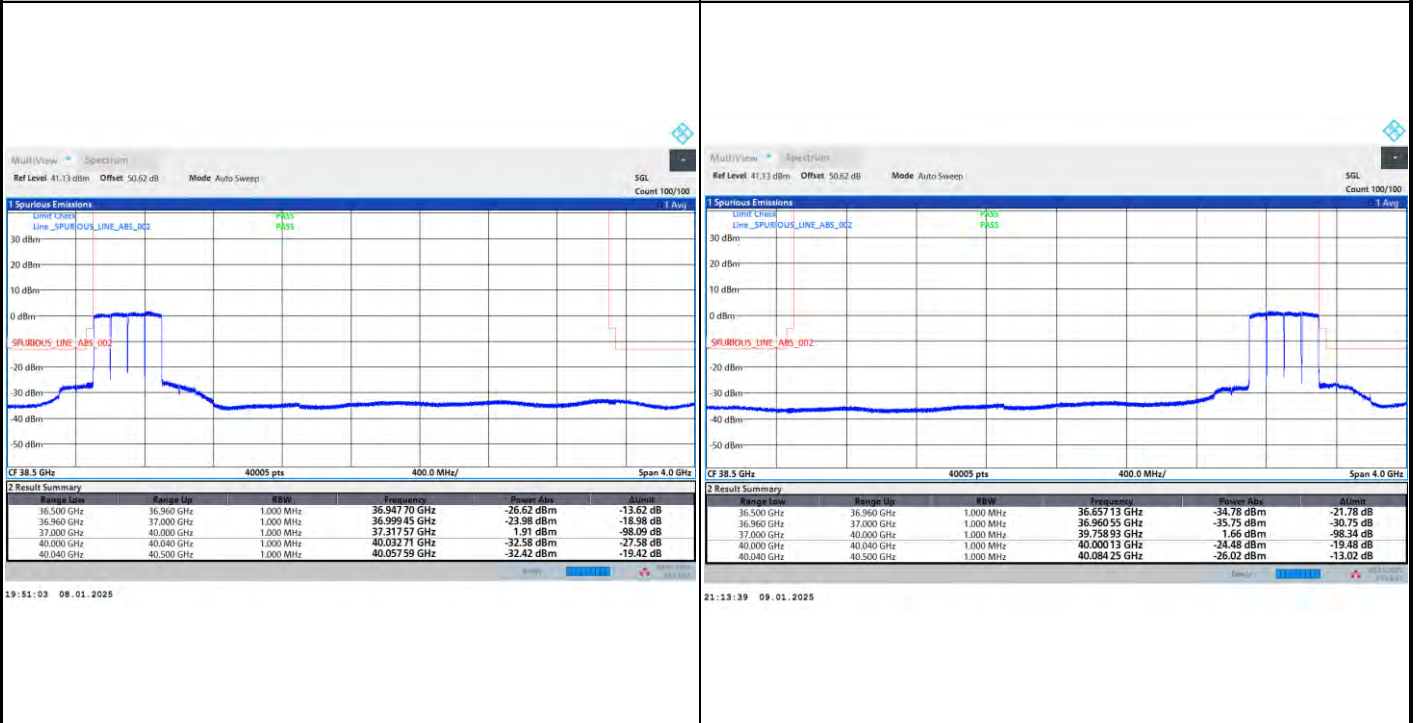


## CP-OFDM Module B

## NR Band n260 / 400MHz / QPSK

## Lowest Band Edge / Full RB

## Highest Band Edge / Full RB





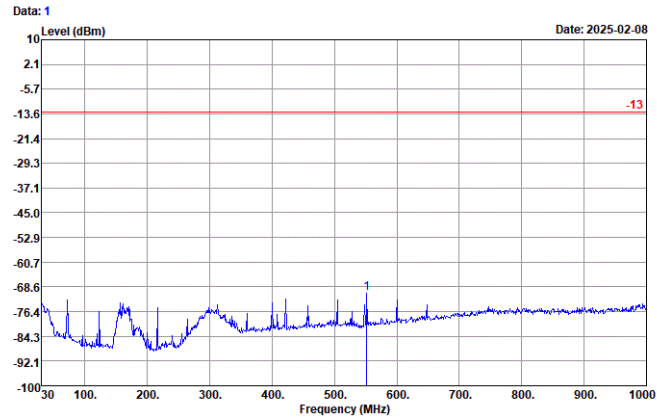
## Spurious Emission

There is no significant spurious emission signal found for frequency started from 30MHz up to 18GHz.

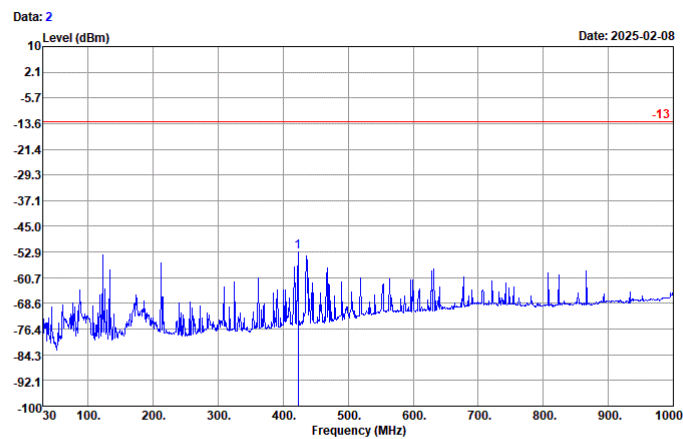
Only the noise floor is reported.

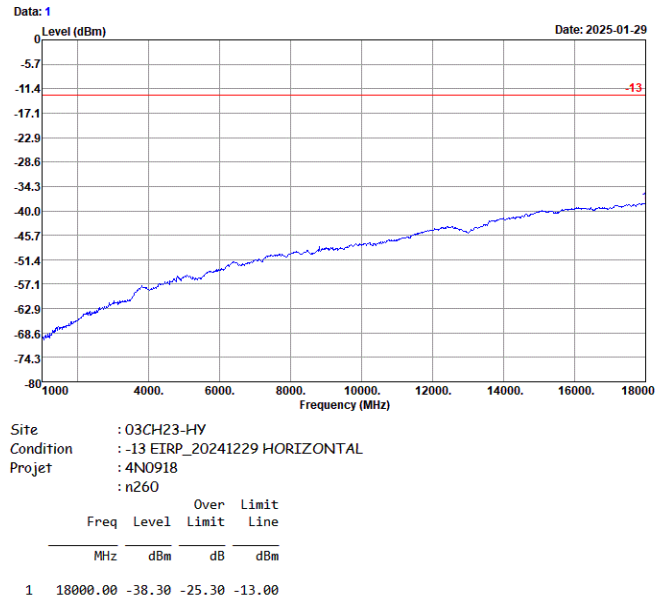
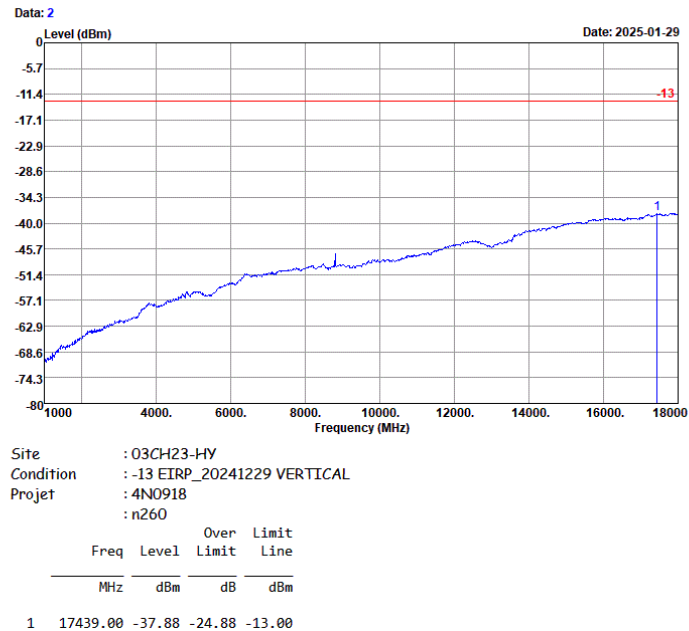
### NR Band n260 (30MHz-1GHz)

#### Horizontal



#### Vertical

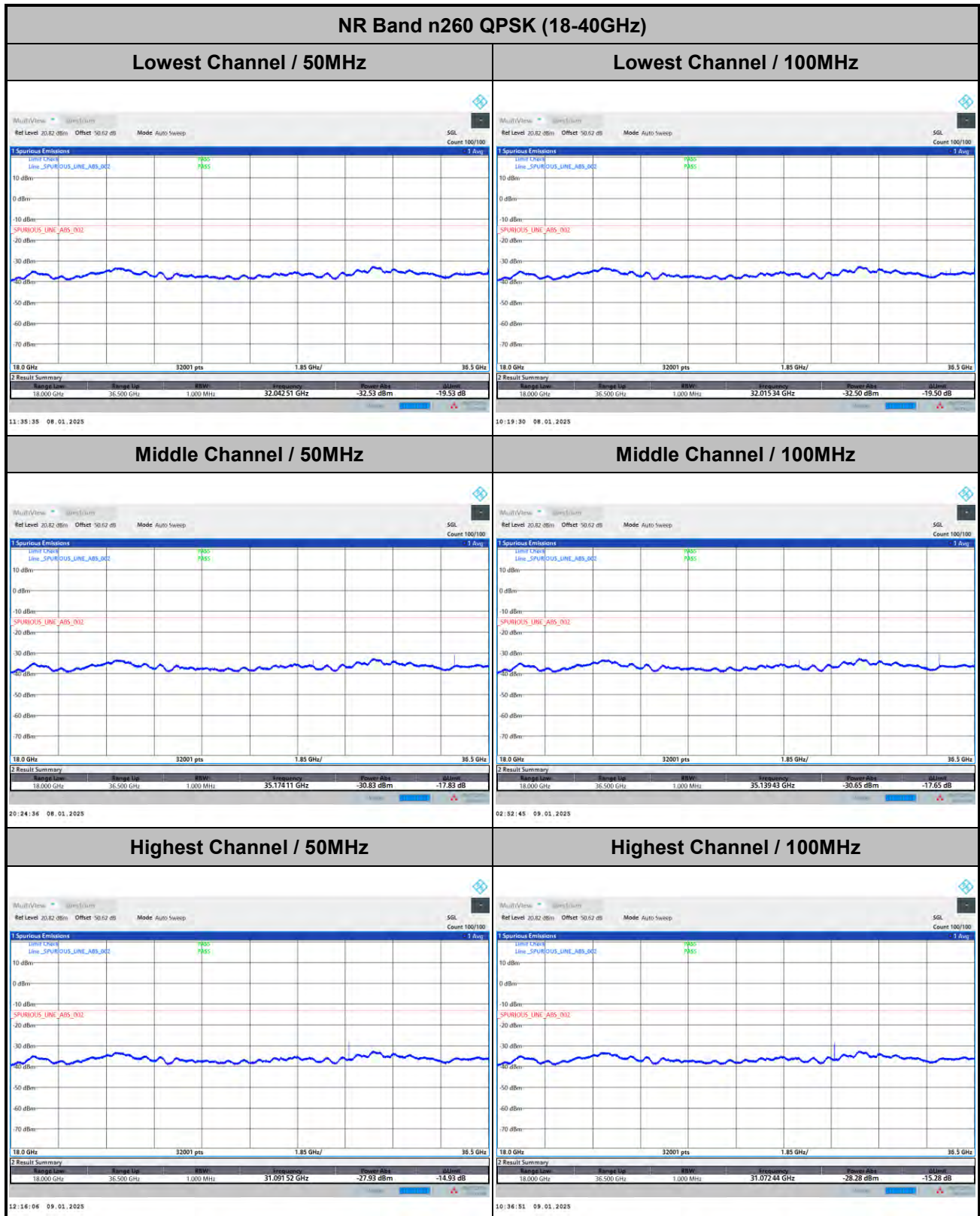


**NR Band n260 (1GHz-18GHz)**
**Horizontal**

**Vertical**




Spurious emission between 18GHz to 40GHz worst case plot is reported as following.

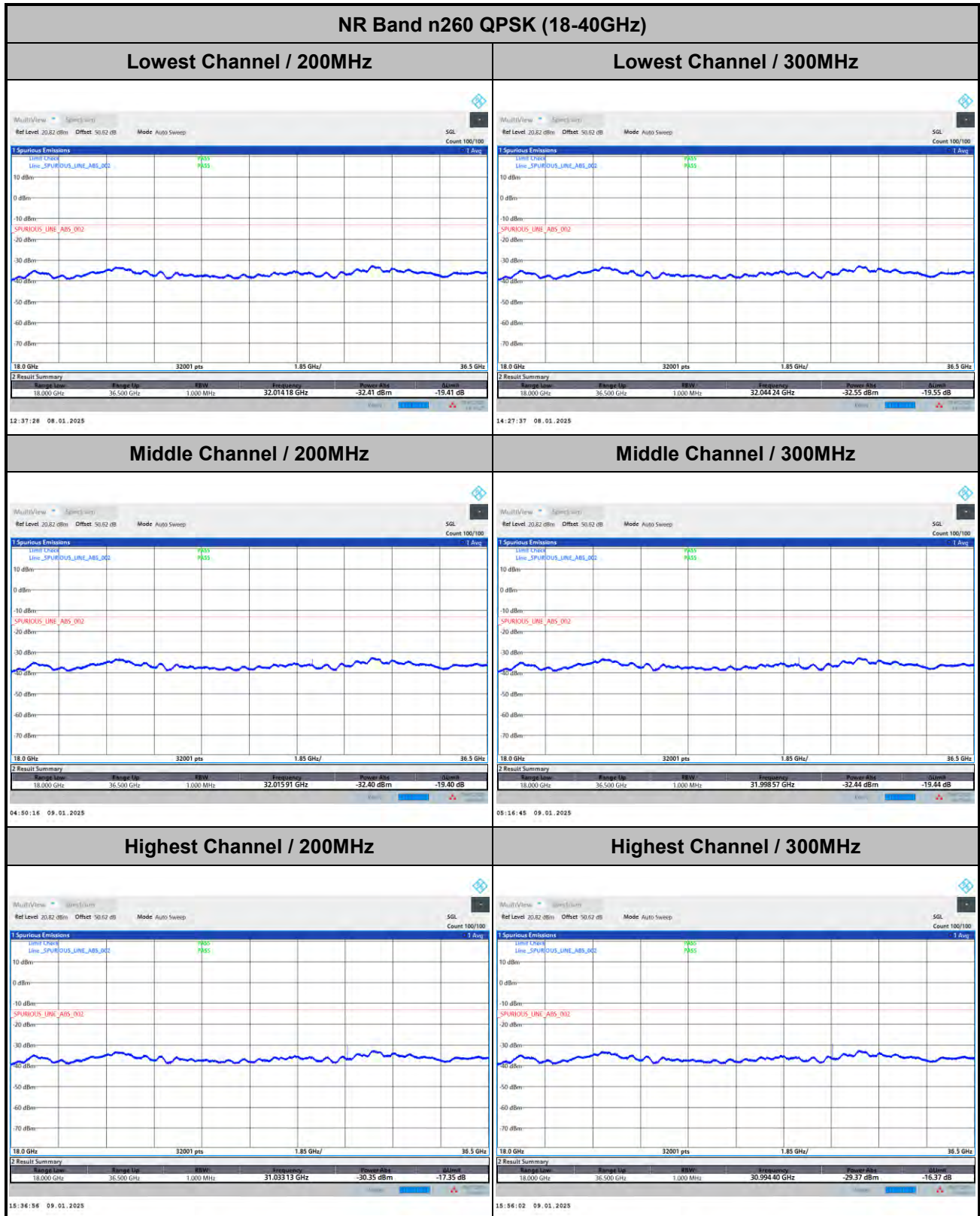
### DFT-s-OFDM Module B



Remark: In band and out of band frequencies are omitted.



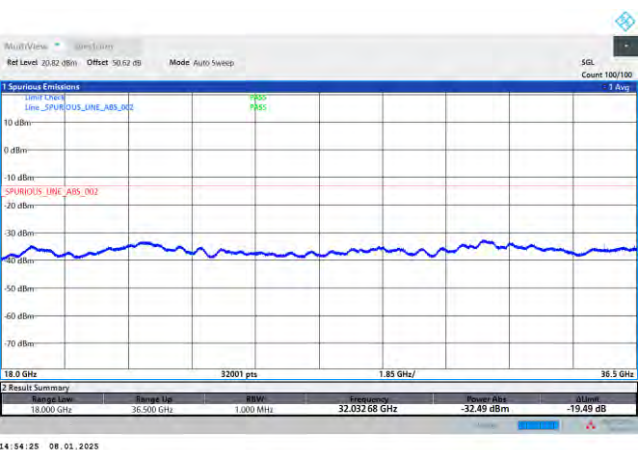
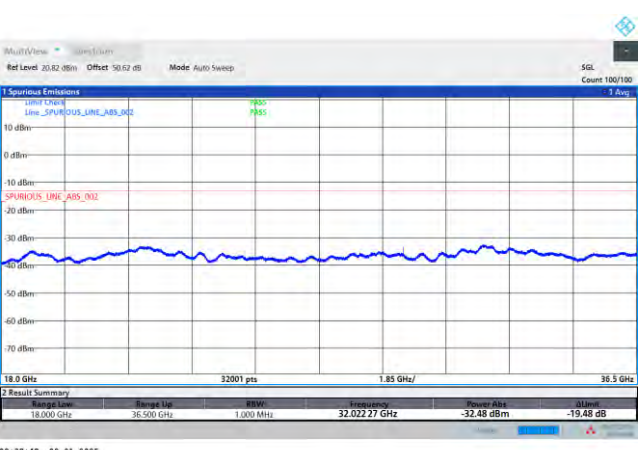
## DFT-s-OFDM Module B



Remark: In band and out of band frequencies are omitted.



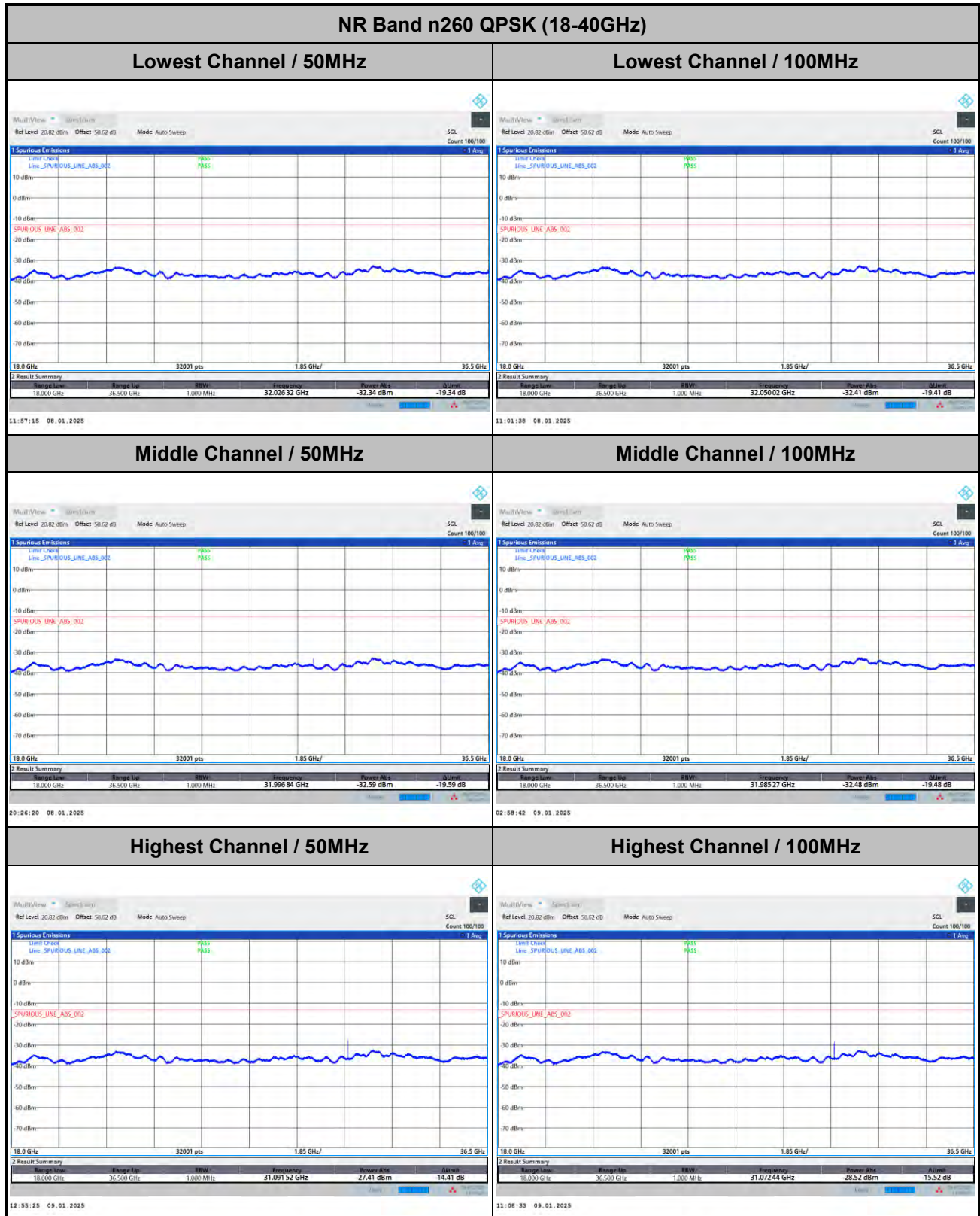
DFT-s-OFDM Module B

| NR Band n260 QPSK (18-40GHz)                                                                                               |                            |
|----------------------------------------------------------------------------------------------------------------------------|----------------------------|
| <p><b>Lowest Channel / 400MHz</b></p>     | <p>intentionally blank</p> |
| <p><b>Middle Channel / 400MHz</b></p>    | <p>intentionally blank</p> |
| <p><b>Highest Channel / 400MHz</b></p>  | <p>intentionally blank</p> |

Remark: In band and out of band frequencies are omitted.



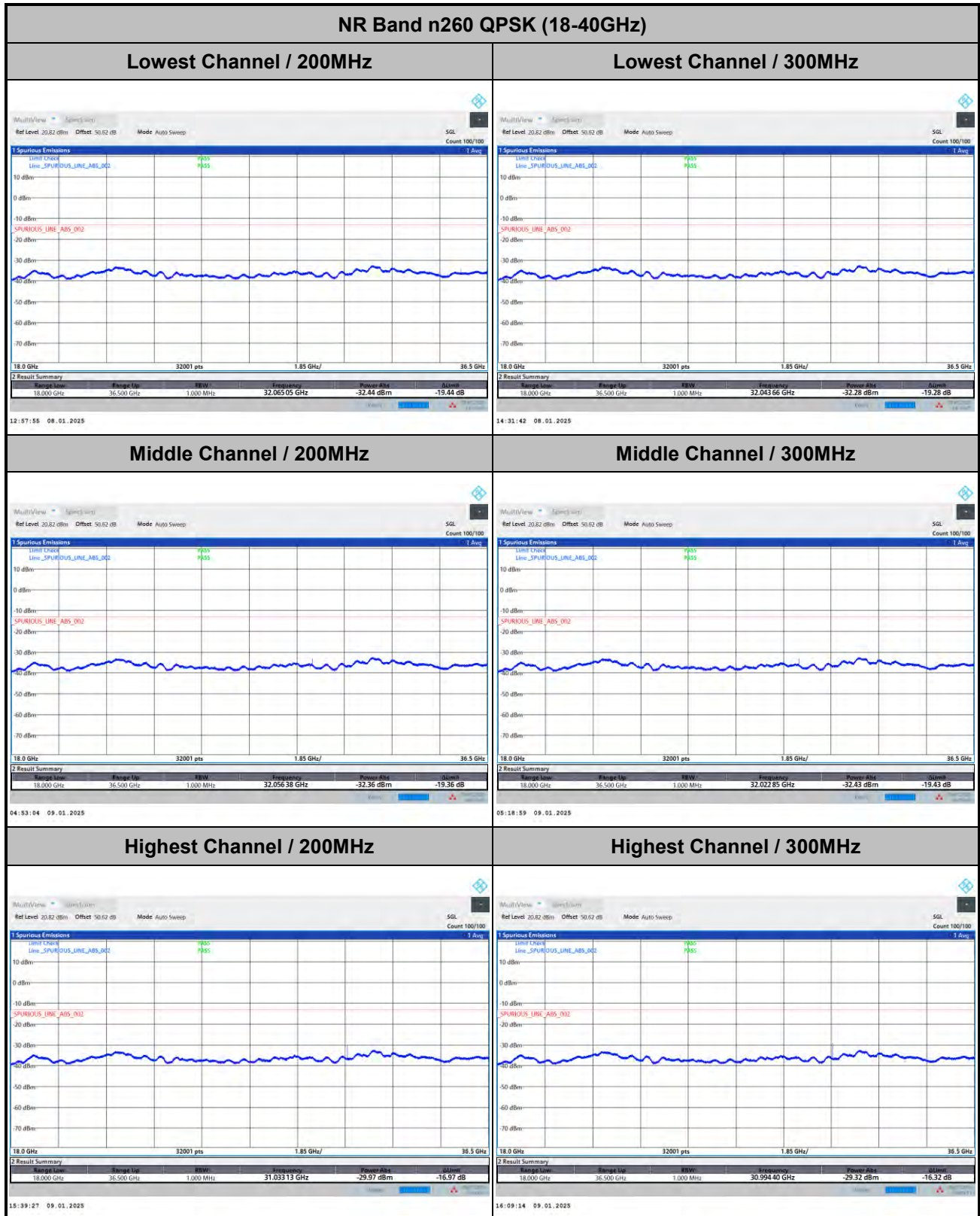
## CP-OFDM Module B



Remark: In band and out of band frequencies are omitted.



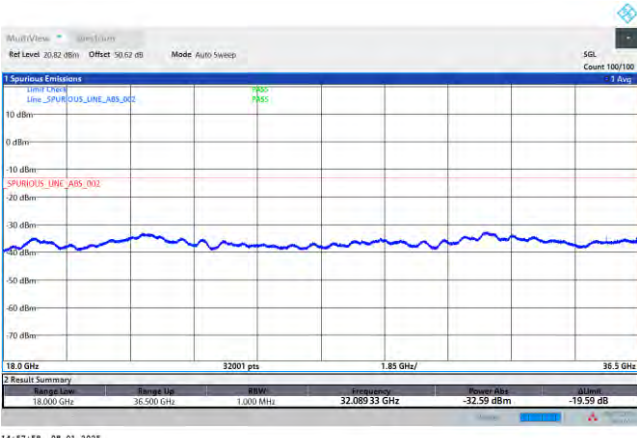
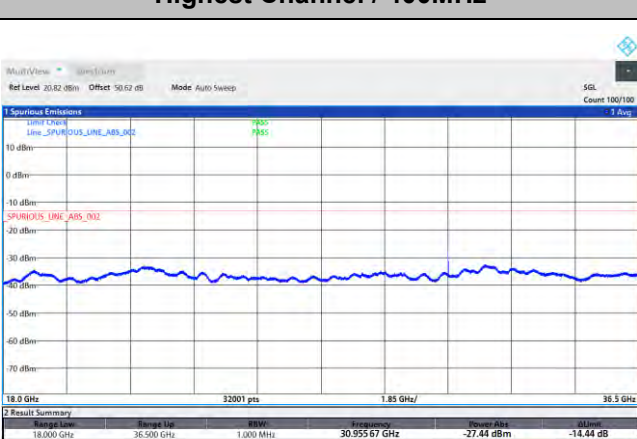
## CP-OFDM Module B



Remark: In band and out of band frequencies are omitted.

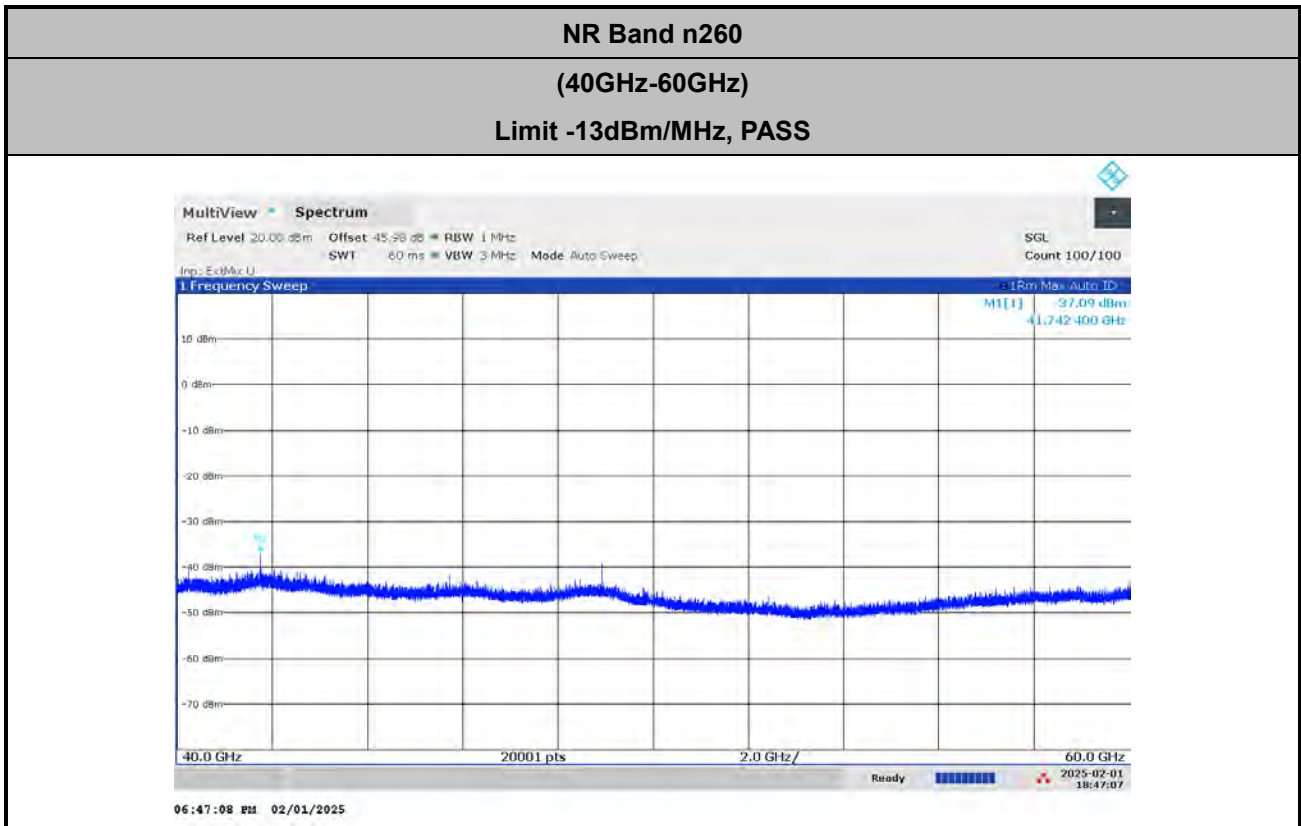


CP-OFDM Module B

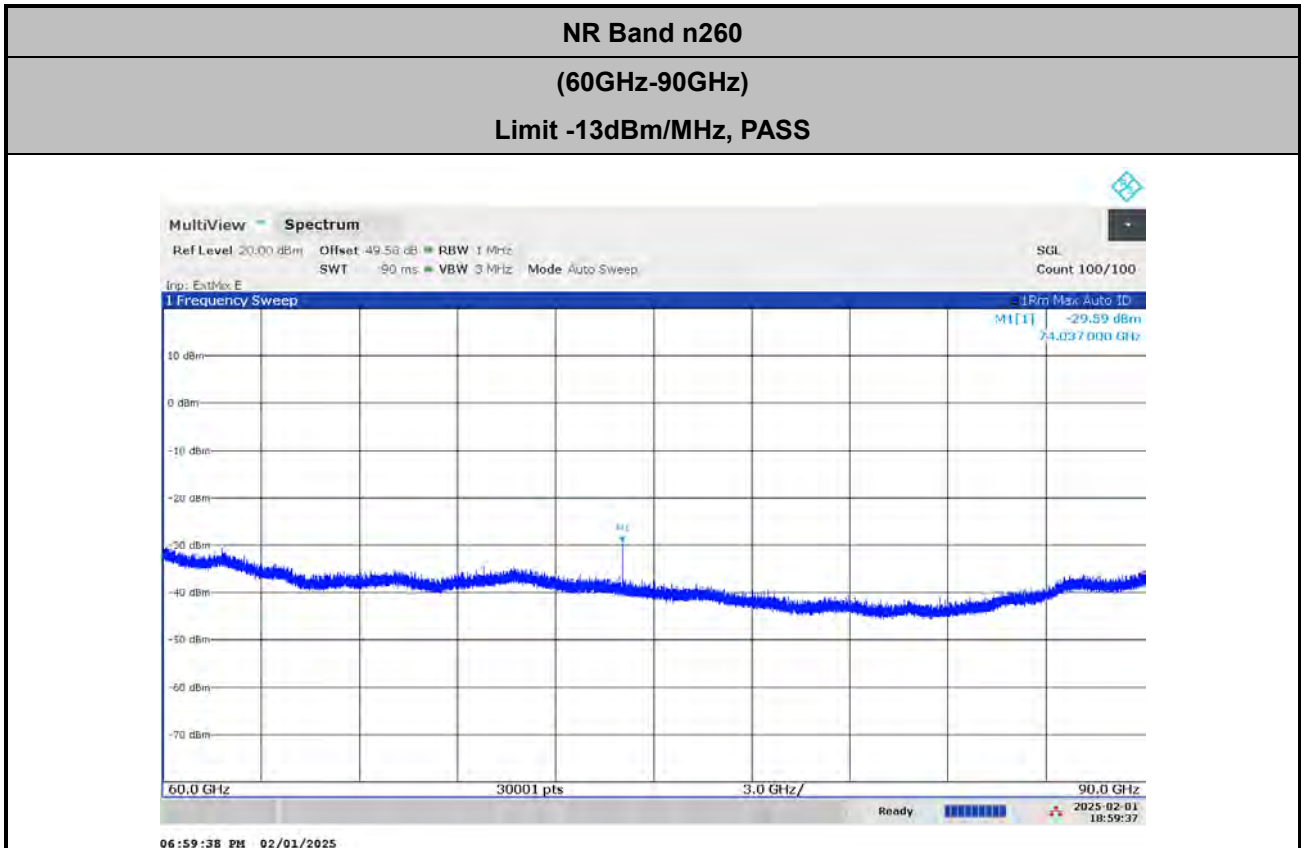
| NR Band n260 QPSK (18-40GHz)                                                                                   |  |
|----------------------------------------------------------------------------------------------------------------|--|
| Lowest Channel / 400MHz                                                                                        |  |
|  <p>intentionally blank</p>   |  |
| Middle Channel / 400MHz                                                                                        |  |
|  <p>intentionally blank</p>  |  |
| Highest Channel / 400MHz                                                                                       |  |
|  <p>intentionally blank</p> |  |

Remark: In band and out of band frequencies are omitted.

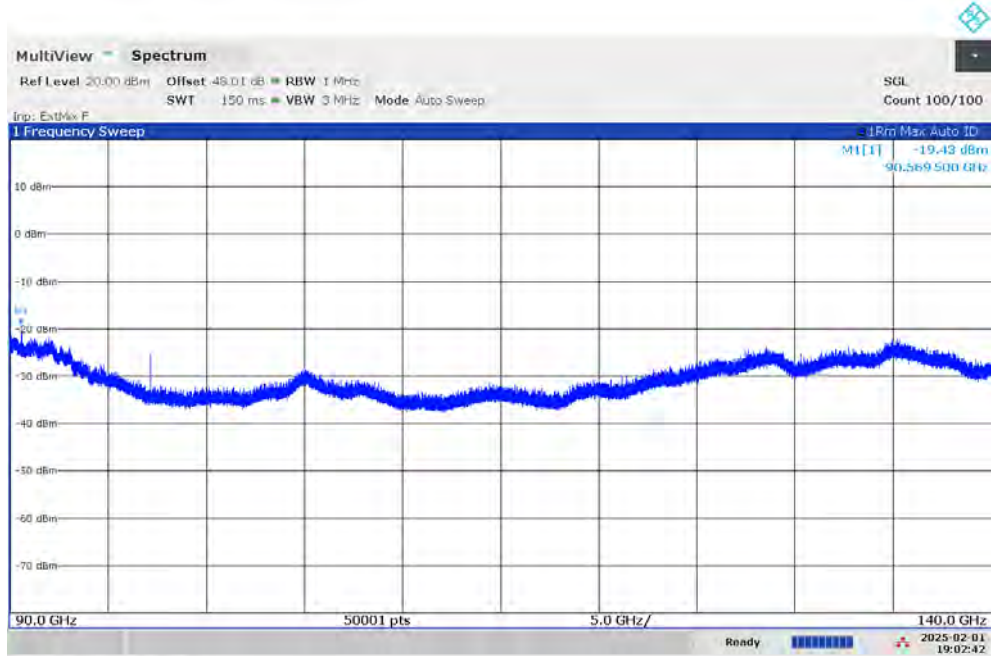
There is no significant spurious emission signal found for frequency started from 40GHz up to 200GHz.  
Only the noise floor is reported.



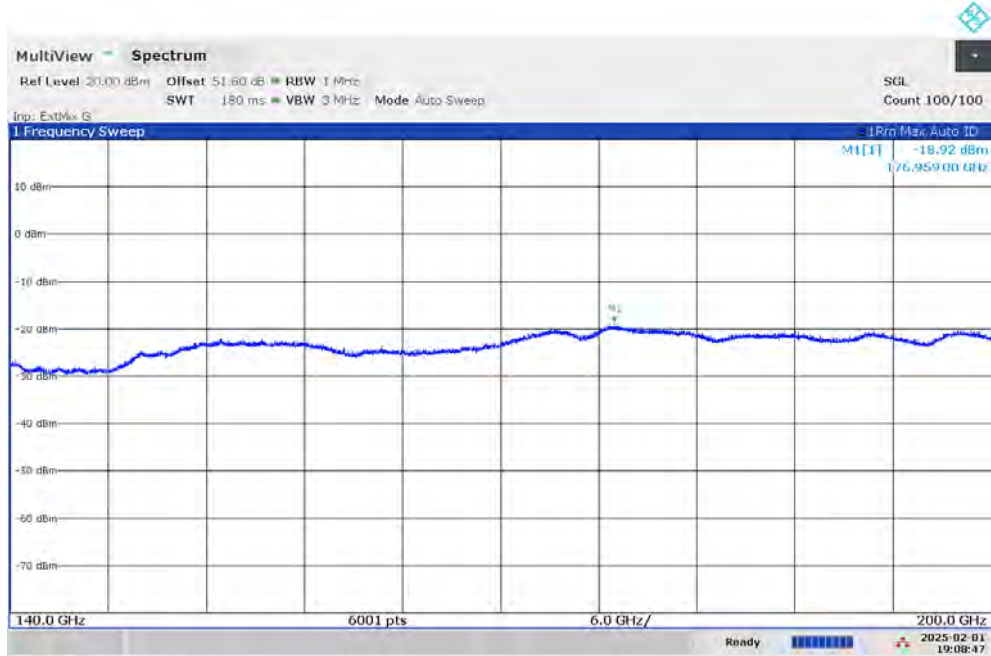
$$\begin{aligned} \text{Offset} &= \text{Antenna Factor (dB/m)} + \text{Cable Loss (dB)} + 107 + 20\log(D) - 104.8 \\ &= 42.6 + 1.18 + 107 + 20\log(1) - 104.8 = 45.98(\text{dB}) \end{aligned}$$



$$\begin{aligned} \text{Offset} &= \text{Antenna Factor (dB/m)} + \text{Cable Loss (dB)} + 107 + 20\log(D) - 104.8 \\ &= 46.2 + 1.18 + 107 + 20\log(1) - 104.8 = 49.58 \text{ (dB)} \end{aligned}$$

**NR Band n260**
**(90GHz-140GHz)**
**Limit -13dBm/MHz, PASS**


$$\begin{aligned} \text{Offset} &= \text{Antenna Factor (dB/m)} + \text{Cable Loss (dB)} + 107 + 20\log(D) - 104.8 \\ &= 50.65 + 1.18 + 107 + 20\log(0.5) - 104.8 = 48.01 \text{ (dB)} \end{aligned}$$

**NR Band n260**
**(140GHz-200GHz)**
**Limit -13dBm/MHz, PASS**


$$\text{Offset} = \text{Antenna Factor (dB/m)} + \text{Cable Loss (dB)} + 107 + 20\log(D) - 104.8$$

$$= 54.44 + 1.18 + 107 + 20\log(0.5) - 104.8 = 51.8(\text{dB})$$

## Frequency Stability

| Test Conditions  |                   | NR Band n260 / Middle Channel |                 |                 | Limit   |
|------------------|-------------------|-------------------------------|-----------------|-----------------|---------|
| Temperature (°C) | Voltage (Volt)    | CW tone                       |                 |                 | Note 2. |
|                  |                   | Frequency (GHz)               | Deviation (kHz) | Deviation (ppm) | Result  |
| 50               | Normal Voltage    | 38.49993207                   | 87.912          | 2.283           | Pass    |
| 40               | Normal Voltage    | 38.49995105                   | 68.931          | 1.790           |         |
| 30               | Normal Voltage    | 38.49998402                   | 35.964          | 0.934           |         |
| 20(Ref.)         | Normal Voltage    | 38.50001998                   | 0.000           | 0.000           |         |
| 10               | Normal Voltage    | 38.5000969                    | -76.923         | 1.998           |         |
| 0                | Normal Voltage    | 38.50016284                   | -142.857        | 3.711           |         |
| -10              | Normal Voltage    | 38.50016084                   | -140.859        | 3.659           |         |
| -20              | Normal Voltage    | 38.50012687                   | -106.893        | 2.776           |         |
| -30              | Normal Voltage    | 38.49998701                   | 32.967          | 0.856           |         |
| 20               | Maximum Voltage   | 38.49997103                   | 48.951          | 1.271           |         |
| 20               | Normal Voltage    | 38.5                          | 19.980          | 0.519           |         |
| 20               | Battery End Point | 38.49998202                   | 37.962          | 0.986           |         |

**Note:**

1. Normal Voltage = 3.9 V. ; Minimum Voltage = 3.6 V. ; Maximum Voltage = 4.5 V.
2. The frequency fundamental emissions stay within the operation band.

## NR Band n261 Module B AGH+V

### Occupied Bandwidth

| Mode       | DFT-s-OFDM Module B NR Band n261 : 99%OBW(MHz) |       |       |        |       |       |        |        |        |
|------------|------------------------------------------------|-------|-------|--------|-------|-------|--------|--------|--------|
| BW         | 50MHz                                          |       |       | 100MHz |       |       | 200MHz |        |        |
| Mod.       | QPSK                                           | 16QAM | 64QAM | QPSK   | 16QAM | 64QAM | QPSK   | 16QAM  | 64QAM  |
| Lowest CH  | 45.87                                          | 45.84 | 46.00 | 91.19  | 91.07 | 91.15 | 190.53 | 190.40 | 190.78 |
| Middle CH  | 45.89                                          | 45.88 | 45.98 | 90.93  | 91.02 | 91.04 | 190.54 | 190.38 | 190.77 |
| Highest CH | 45.83                                          | 45.94 | 46.16 | 91.12  | 90.88 | 91.22 | 190.61 | 190.53 | 190.70 |

| Mode       | DFT-s-OFDM Module B NR Band n261 : 99%OBW(MHz) |        |        |        |        |        |
|------------|------------------------------------------------|--------|--------|--------|--------|--------|
| BW         | 300MHz                                         |        |        | 400MHz |        |        |
| Mod.       | QPSK                                           | 16QAM  | 64QAM  | QPSK   | 16QAM  | 64QAM  |
| Lowest CH  | 289.47                                         | 289.60 | 289.35 | 389.68 | 389.06 | 388.52 |
| Middle CH  | 289.86                                         | 289.76 | 289.13 | 389.69 | 389.39 | 388.12 |
| Highest CH | 289.62                                         | 289.42 | 289.22 | 389.51 | 388.61 | 387.76 |

| Mode       | CP-OFDM Module B NR Band n261 : 99%OBW(MHz) |        |        |
|------------|---------------------------------------------|--------|--------|
| BW         | 50MHz                                       | 100MHz | 200MHz |
| Mod.       | QPSK                                        | QPSK   | QPSK   |
| Lowest CH  | 45.81                                       | 93.92  | 193.56 |
| Middle CH  | 45.79                                       | 93.78  | 193.66 |
| Highest CH | 45.79                                       | 93.81  | 193.65 |

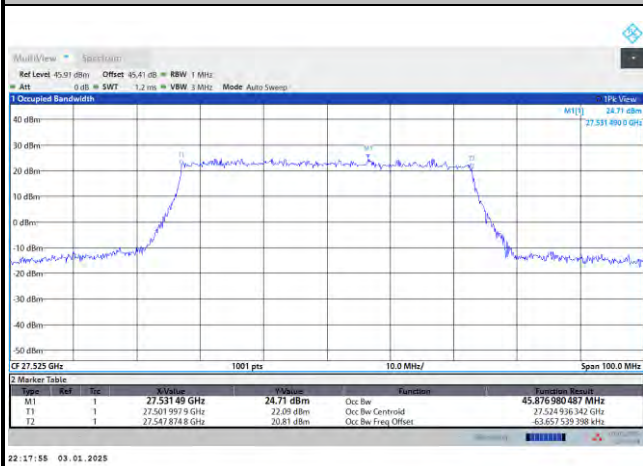
| Mode       | CP-OFDM Module B NR Band n261 : 99%OBW(MHz) |        |
|------------|---------------------------------------------|--------|
| BW         | 300MHz                                      | 400MHz |
| Mod.       | QPSK                                        | QPSK   |
| Lowest CH  | 294.45                                      | 396.89 |
| Middle CH  | 294.62                                      | 395.42 |
| Highest CH | 293.32                                      | 394.66 |



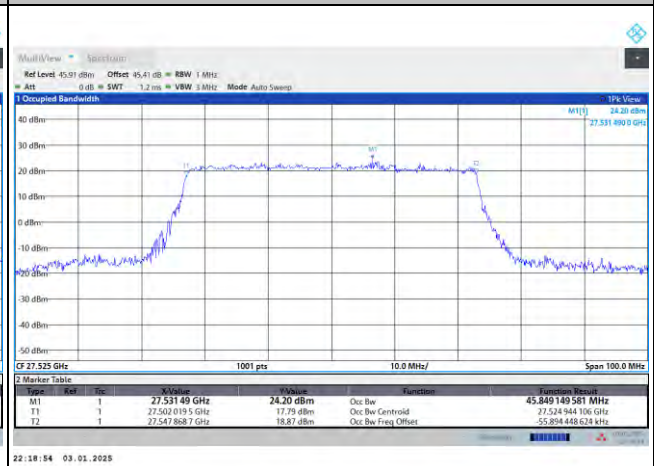
## DFT-s-OFDM Module B

## NR Band n261

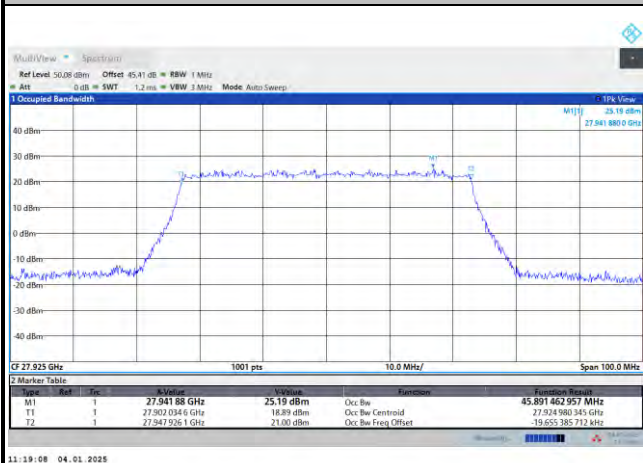
## Lowest Channel / 50MHz / QPSK



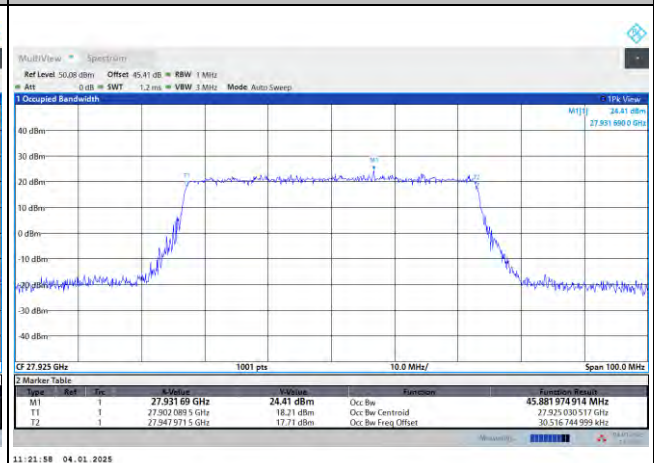
## Lowest Channel / 50MHz / 16QAM



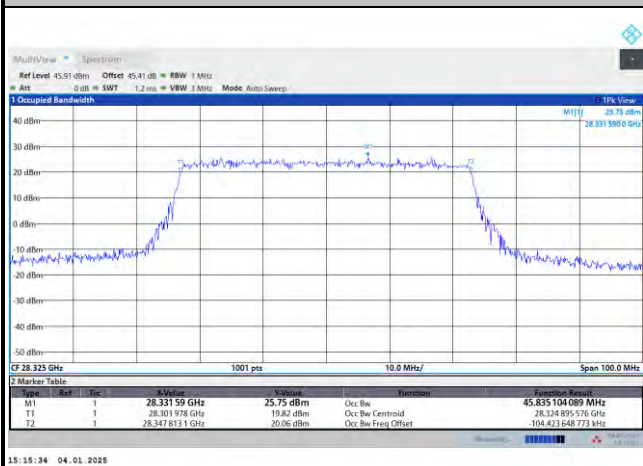
## Middle Channel / 50MHz / QPSK



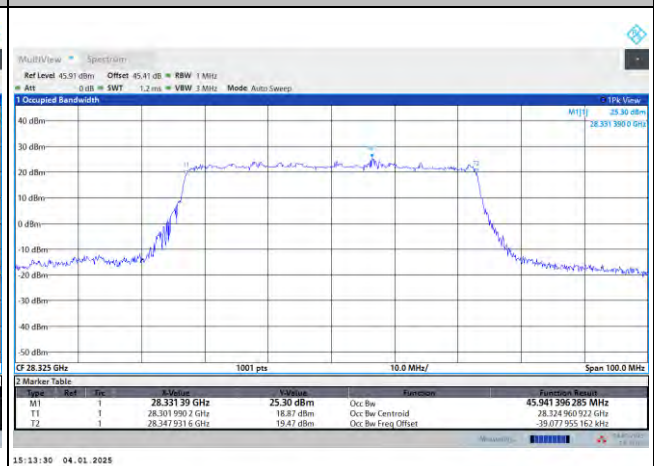
## Middle Channel / 50MHz / 16QAM



## Highest Channel / 50MHz / QPSK



## Highest Channel / 50MHz / 16QAM

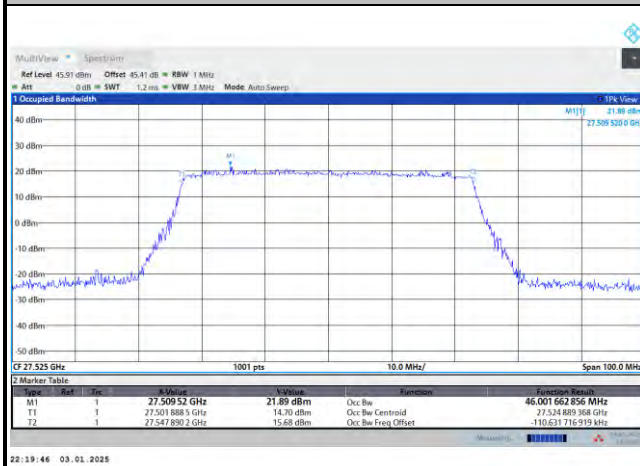




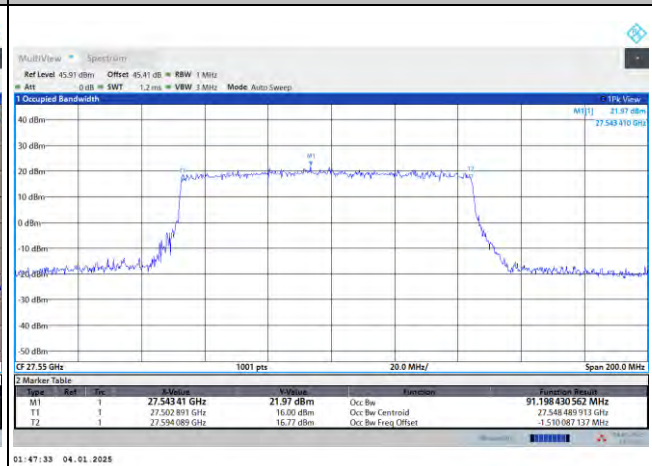
## DFT-s-OFDM Module B

## NR Band n261

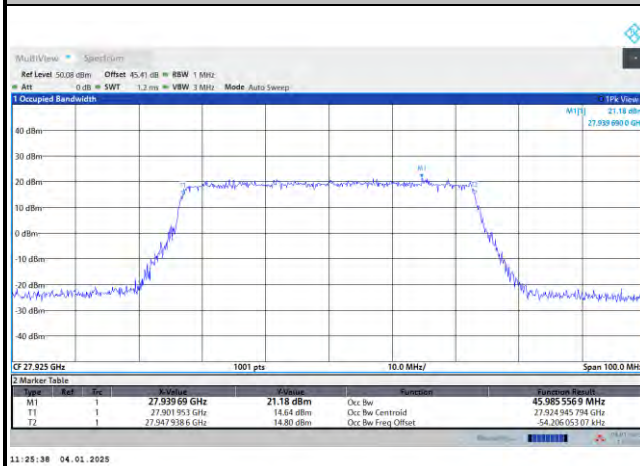
## Lowest Channel / 50MHz / 64QAM



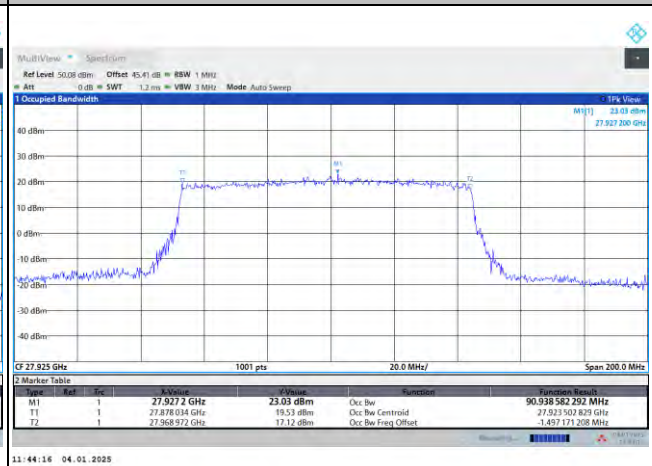
## Lowest Channel / 100MHz / QPSK



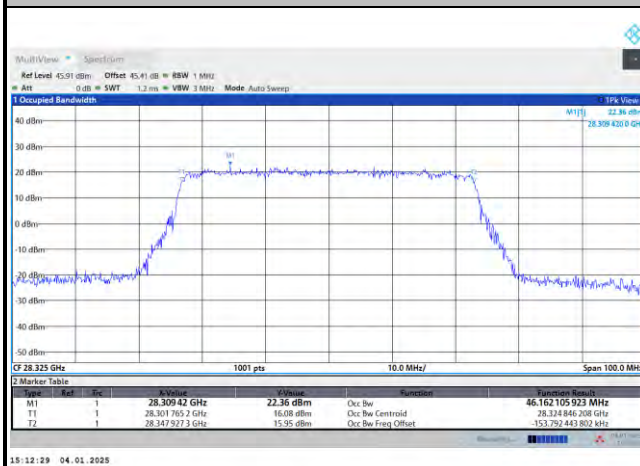
## Middle Channel / 50MHz / 64QAM



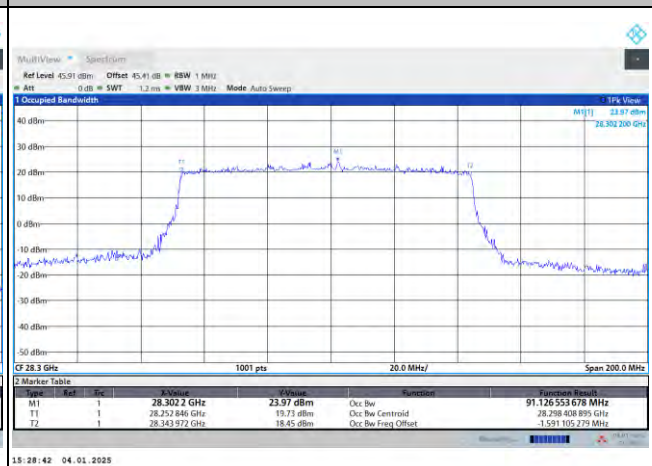
## Middle Channel / 100MHz / QPSK



## Highest Channel / 50MHz / 64QAM



## Highest Channel / 100MHz / QPSK

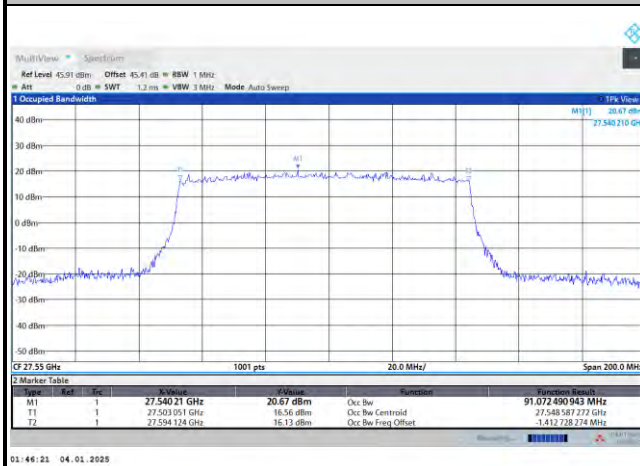




## DFT-s-OFDM Module B

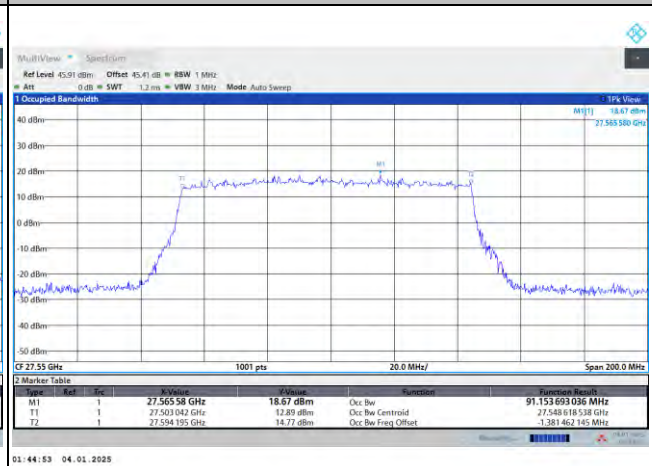
## NR Band n261

## Lowest Channel / 100MHz / 16QAM



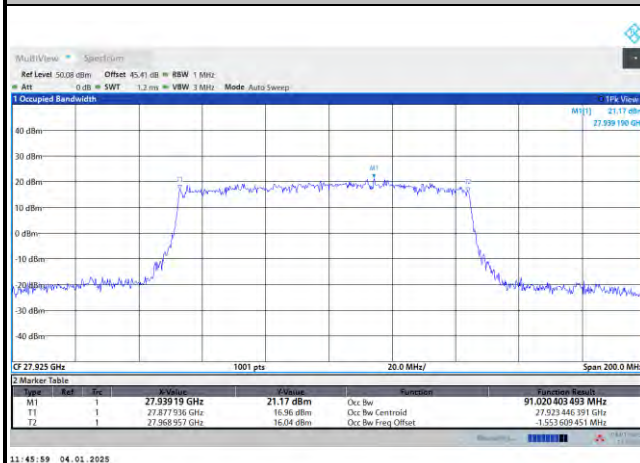
01:44:21 04.01.2025

## Lowest Channel / 100MHz / 64QAM



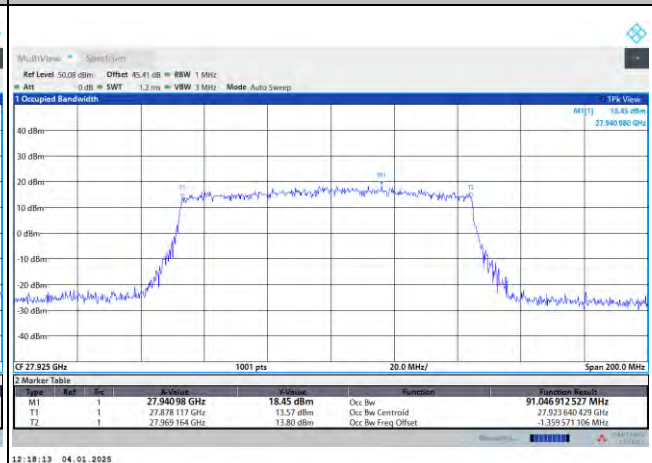
01:44:53 04.01.2025

## Middle Channel / 100MHz / 16QAM



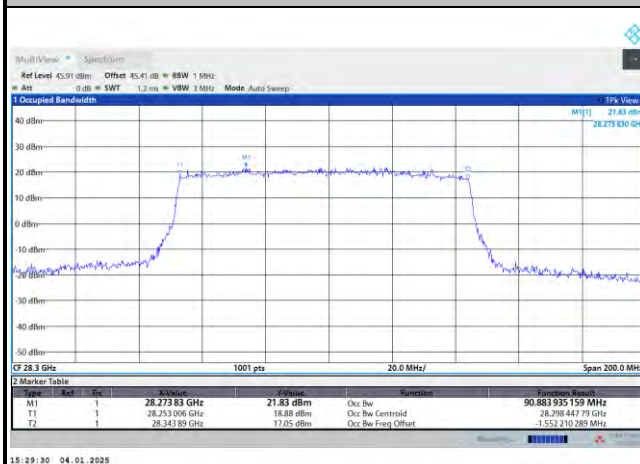
11:45:59 04.01.2025

## Middle Channel / 100MHz / 64QAM



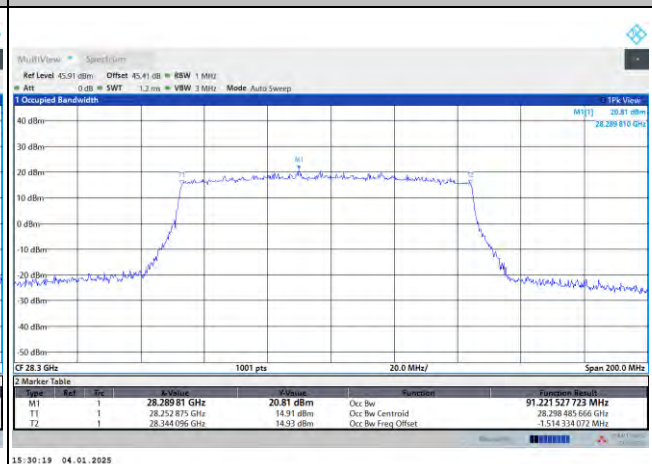
12:18:13 04.01.2025

## Highest Channel / 100MHz / 16QAM



15:29:30 04.01.2025

## Highest Channel / 100MHz / 64QAM



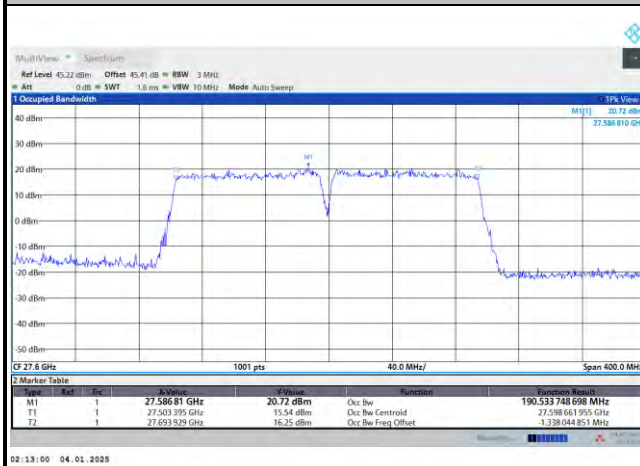
15:30:19 04.01.2025



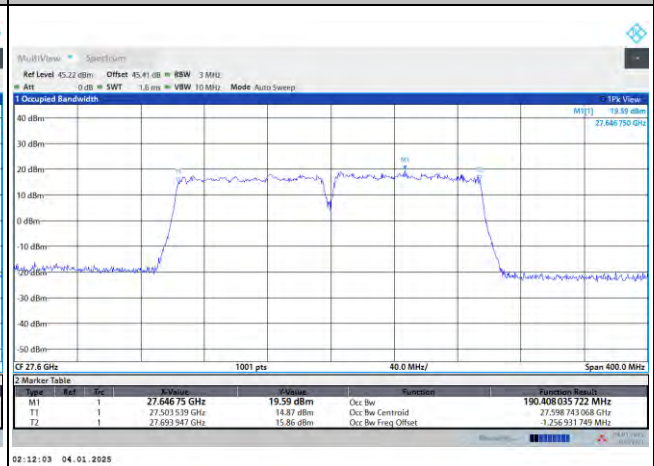
## DFT-s-OFDM Module B

## NR Band n261

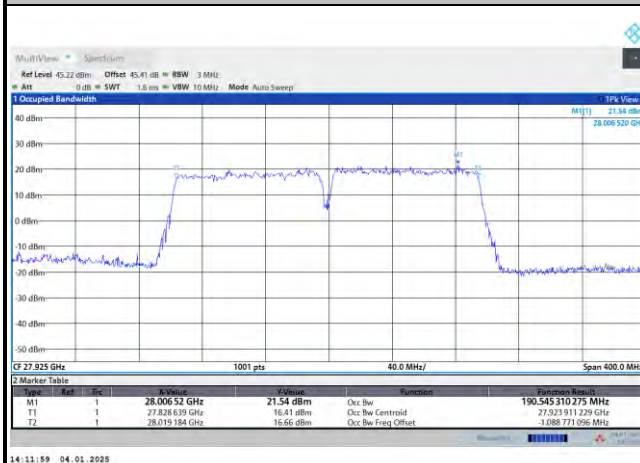
## Lowest Channel / 200MHz / QPSK



## Lowest Channel / 200MHz / 16QAM



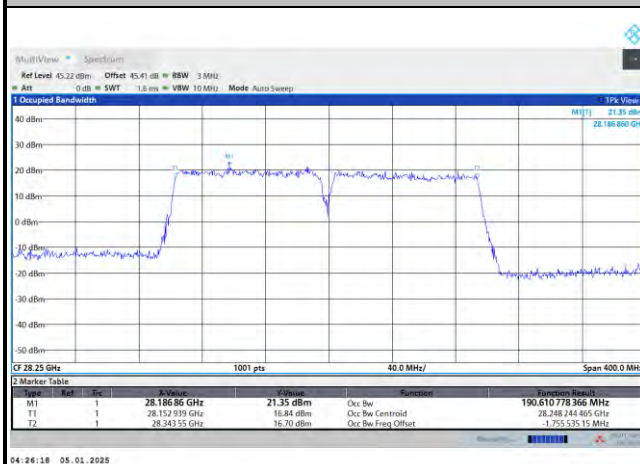
## Middle Channel / 200MHz / QPSK



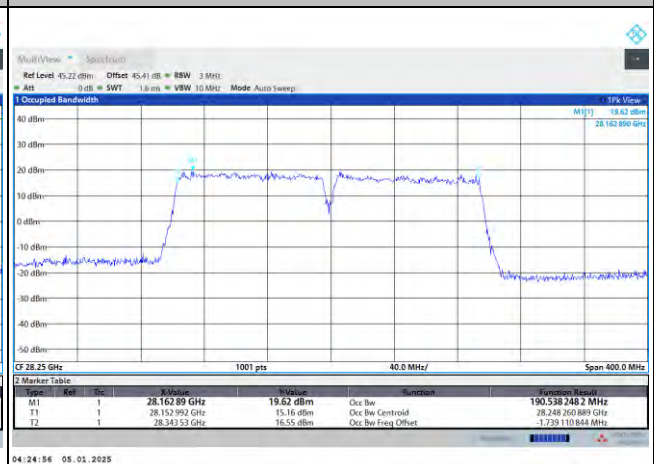
## Middle Channel / 200MHz / 16QAM



## Highest Channel / 200MHz / QPSK



## Highest Channel / 200MHz / 16QAM

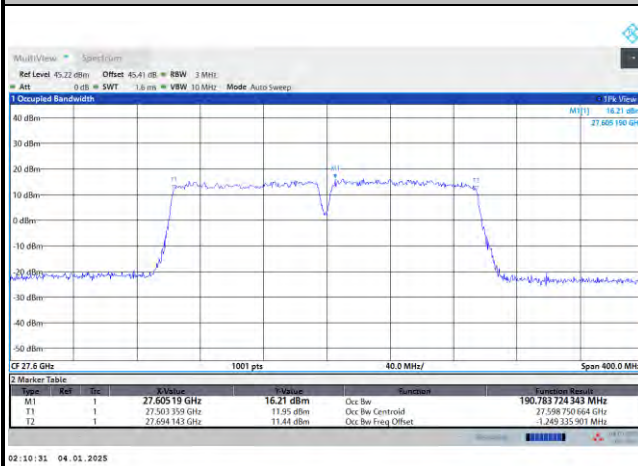




## DFT-s-OFDM Module B

## NR Band n261

## Lowest Channel / 200MHz / 64QAM



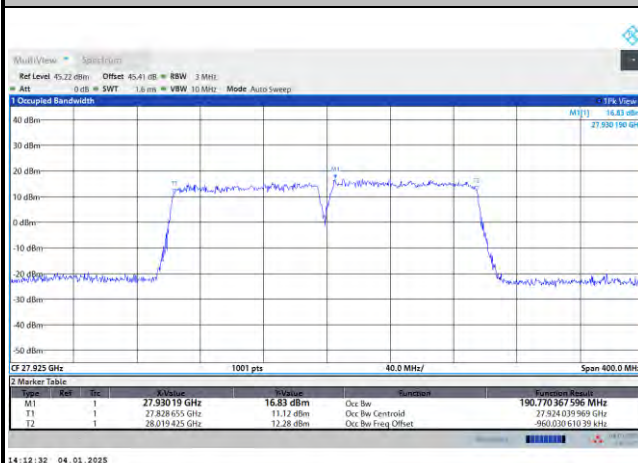
02:10:35 04.01.2025

## Lowest Channel / 300MHz / QPSK



03:03:31 04.01.2025

## Middle Channel / 200MHz / 64QAM



14:12:32 04.01.2025

## Middle Channel / 300MHz / QPSK



14:13:58 04.01.2025

## Highest Channel / 200MHz / 64QAM



04:23:47 05.01.2025

## Highest Channel / 300MHz / QPSK



05:19:40 05.01.2025



## DFT-s-OFDM Module B

## NR Band n261

## Lowest Channel / 300MHz / 16QAM



## Lowest Channel / 300MHz / 64QAM



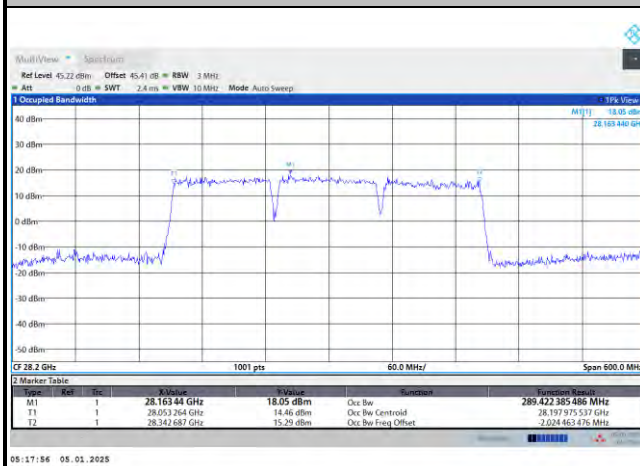
## Middle Channel / 300MHz / 16QAM



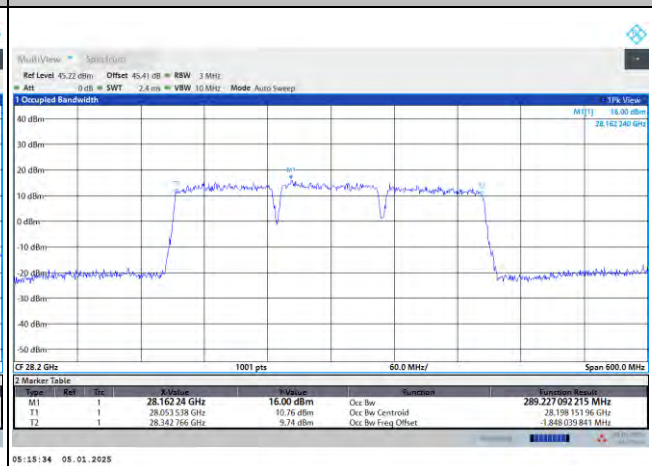
## Middle Channel / 300MHz / 64QAM



## Highest Channel / 300MHz / 16QAM



## Highest Channel / 300MHz / 64QAM





## DFT-s-OFDM Module B

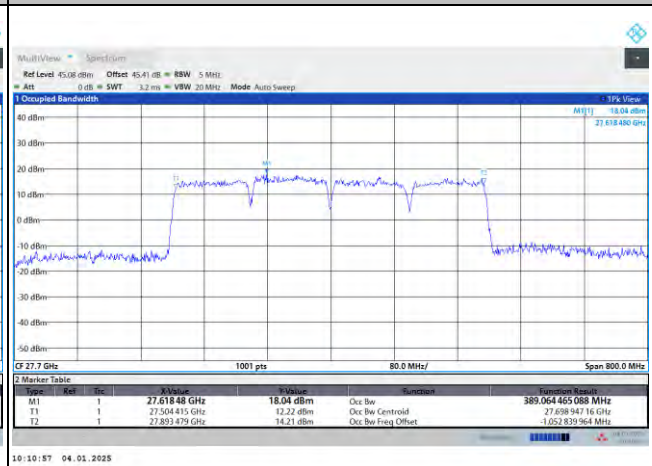
## NR Band n261

## Lowest Channel / 400MHz / QPSK



09:46:48 04.01.2025

## Lowest Channel / 400MHz / 16QAM



10:10:57 04.01.2025

## Middle Channel / 400MHz / QPSK



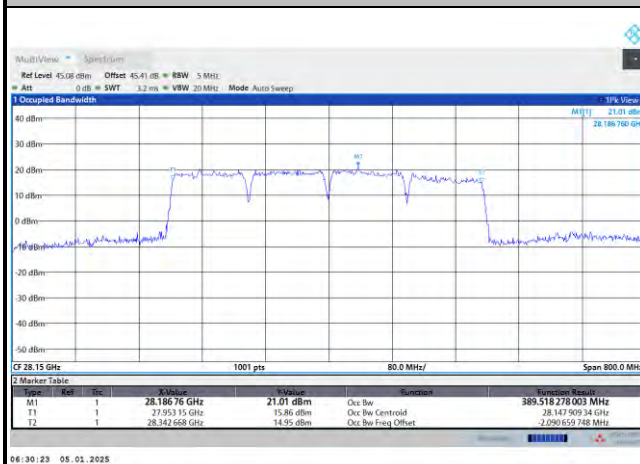
14:59:37 04.01.2025

## Middle Channel / 400MHz / 16QAM



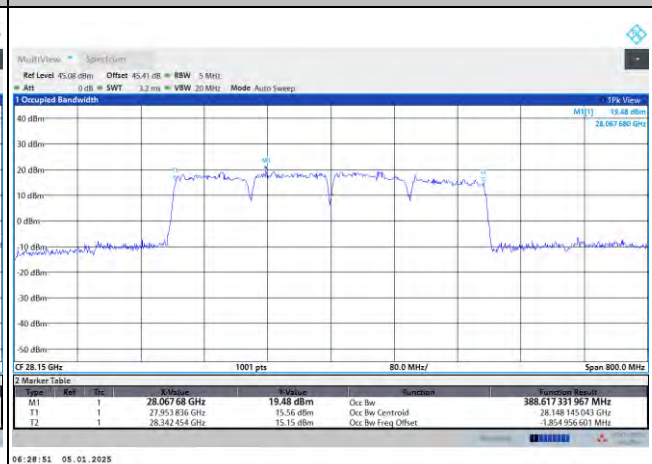
14:59:53 04.01.2025

## Highest Channel / 400MHz / QPSK



06:30:23 05.01.2025

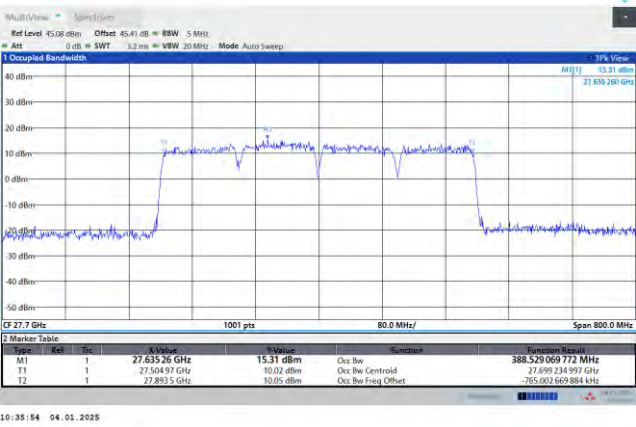
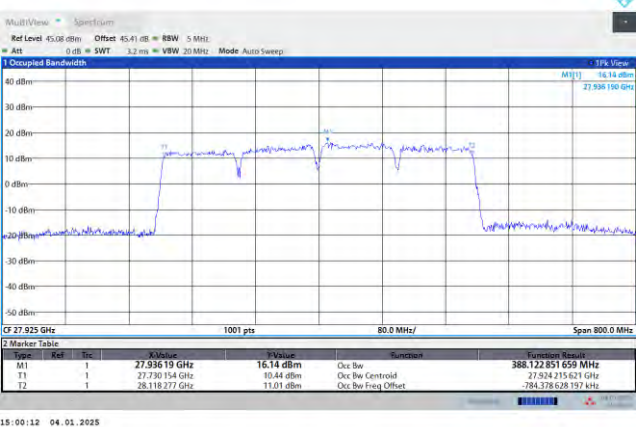
## Highest Channel / 400MHz / 16QAM



06:28:51 05.01.2025



DFT-s-OFDM Module B

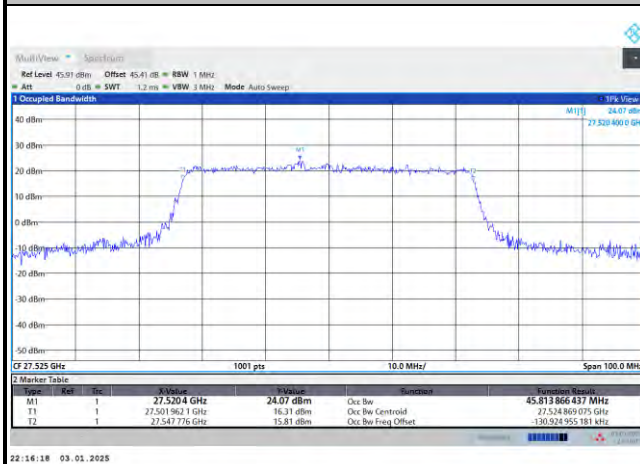
| NR Band n261                                                                                                                                                  |  |
|---------------------------------------------------------------------------------------------------------------------------------------------------------------|--|
| <p><b>Lowest Channel / 400MHz / 64QAM</b></p>  <p>intentionally blank</p>    |  |
| <p><b>Middle Channel / 400MHz / 64QAM</b></p>  <p>intentionally blank</p>   |  |
| <p><b>Highest Channel / 400MHz / 64QAM</b></p>  <p>intentionally blank</p> |  |



## CP-OFDM Module B

## NR Band n261

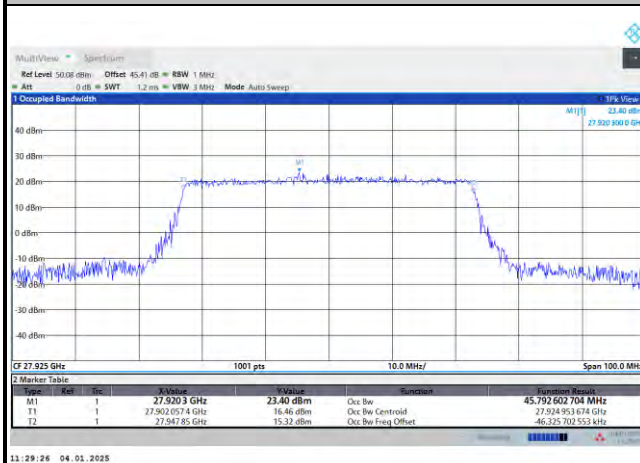
## Lowest Channel / 50MHz / QPSK



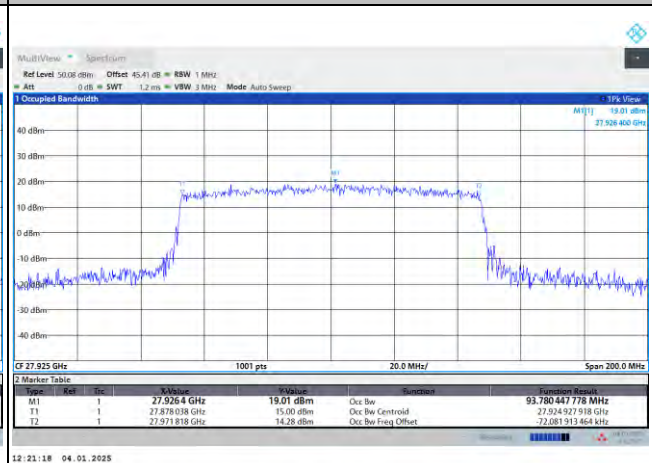
## Lowest Channel / 100MHz / QPSK



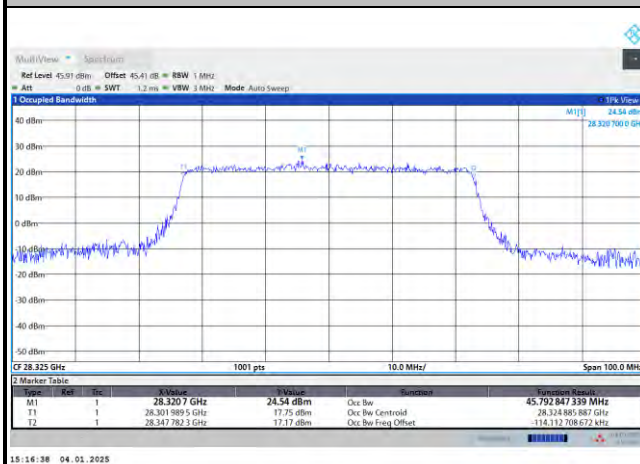
## Middle Channel / 50MHz / QPSK



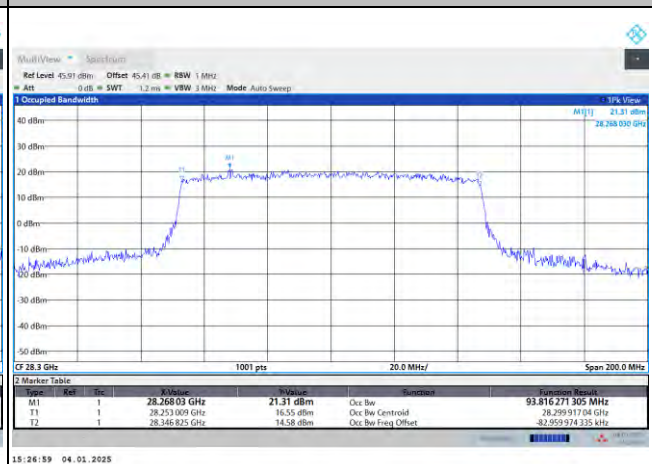
## Middle Channel / 100MHz / QPSK



## Highest Channel / 50MHz / QPSK



## Highest Channel / 100MHz / QPSK

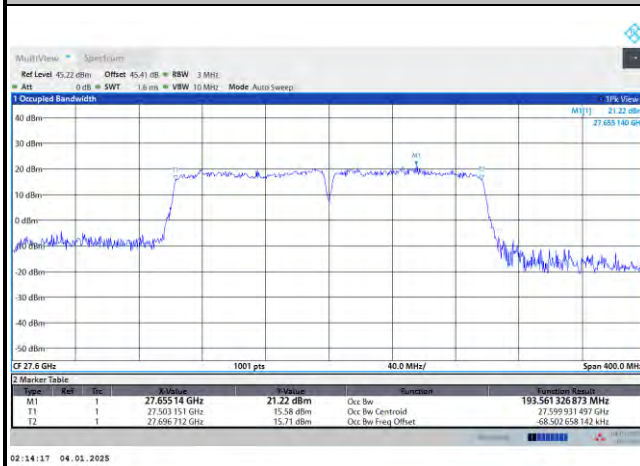




## CP-OFDM Module B

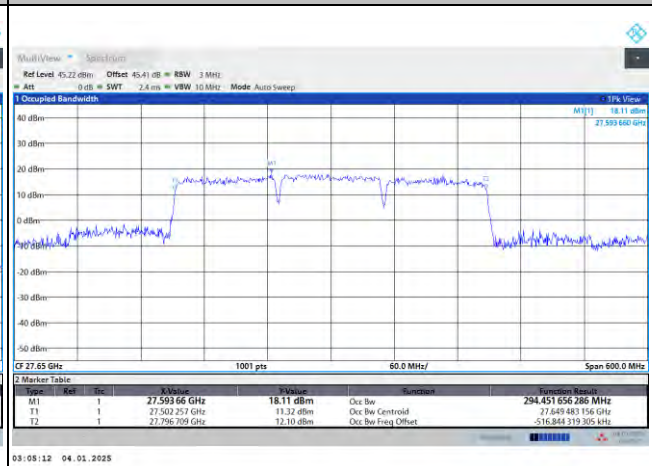
## NR Band n261

## Lowest Channel / 200MHz / QPSK



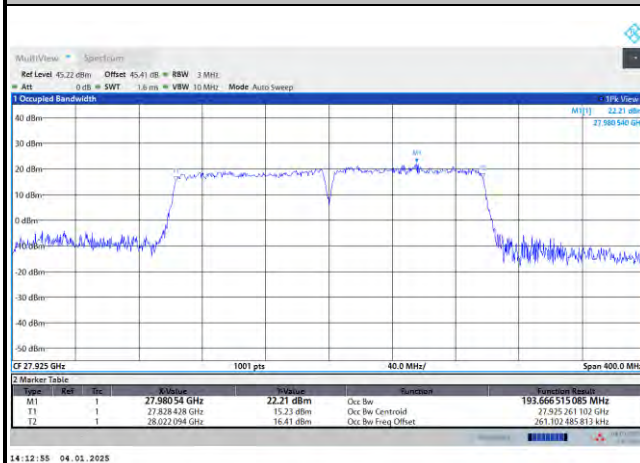
02:14:17 04.01.2025

## Lowest Channel / 300MHz / QPSK



03:05:12 04.01.2025

## Middle Channel / 200MHz / QPSK



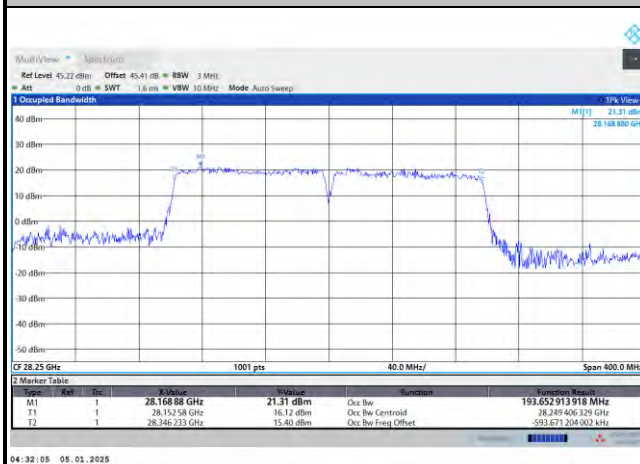
14:12:55 04.01.2025

## Middle Channel / 300MHz / QPSK



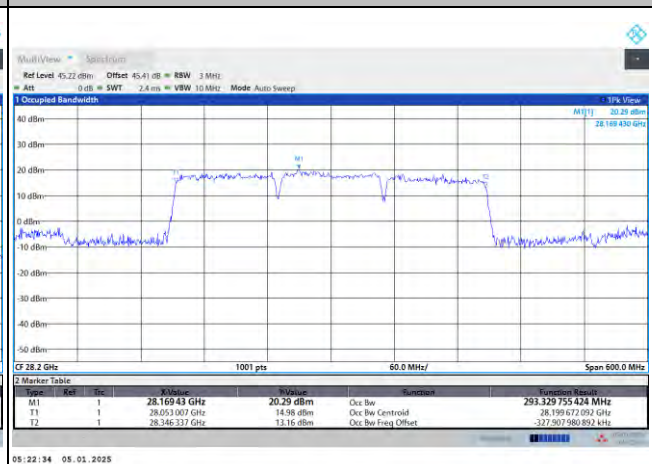
14:15:09 04.01.2025

## Highest Channel / 200MHz / QPSK



04:32:05 05.01.2025

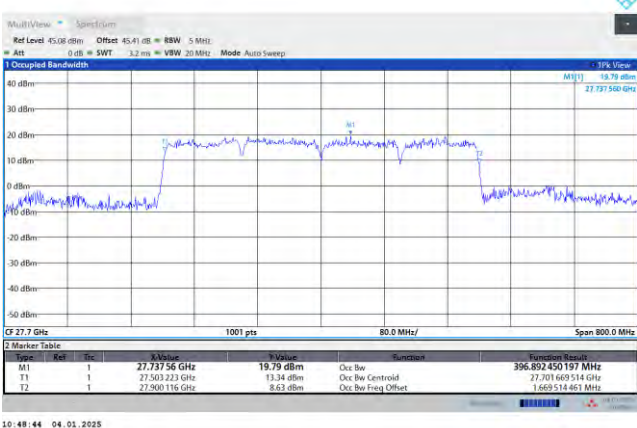
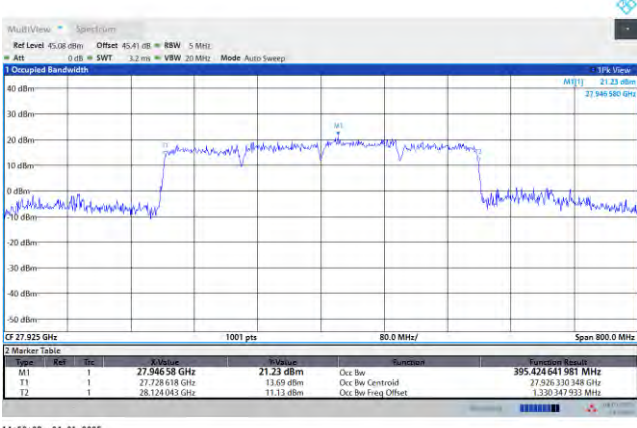
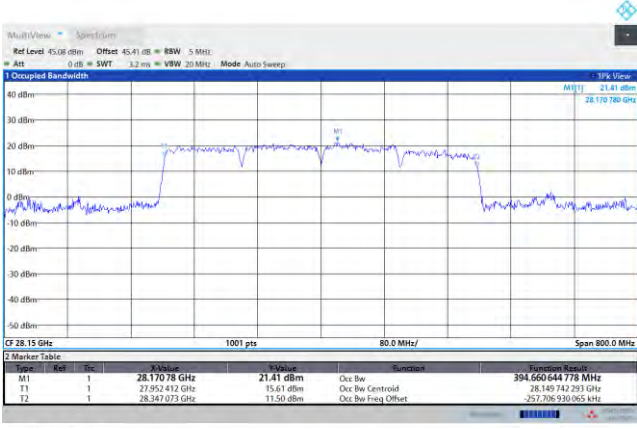
## Highest Channel / 300MHz / QPSK



05:22:34 05.01.2025



CP-OFDM Module B

| NR Band n261                                                                                                                                                 |  |
|--------------------------------------------------------------------------------------------------------------------------------------------------------------|--|
| <p><b>Lowest Channel / 400MHz / QPSK</b></p>  <p>intentionally blank</p>    |  |
| <p><b>Middle Channel / 400MHz / QPSK</b></p>  <p>intentionally blank</p>   |  |
| <p><b>Highest Channel / 400MHz / QPSK</b></p>  <p>intentionally blank</p> |  |

## Radiated Out of Band Emissions

| Mode        |         |       | DFT-s-OFDM Module B NR Band n261 : BE (dBm) 1 RB |         |         |         |        |        |        |        |        |
|-------------|---------|-------|--------------------------------------------------|---------|---------|---------|--------|--------|--------|--------|--------|
| BW          |         |       | 50MHz                                            |         |         | 100MHz  |        |        | 200MHz |        |        |
| Limit (dBm) |         |       | QPSK                                             | 16QAM   | 64QAM   | QPSK    | 16QAM  | 64QAM  | QPSK   | 16QAM  | 64QAM  |
| Low CH      | 0~10%OB | ≤ -5  | -20.026                                          | -20.503 | -22.660 | -22.564 | -6.08  | -7.06  | -10.78 | -10.00 | -12.91 |
|             | >10%OB  | ≤ -13 | -22.086                                          | -23.478 | -24.912 | -22.217 | -25.00 | -25.93 | -14.12 | -17.60 | -20.85 |
| High CH     | 0~10%OB | ≤ -5  | -18.594                                          | -20.062 | -22.572 | -20.958 | -6.39  | -8.89  | -7.57  | -10.75 | -14.16 |
|             | >10%OB  | ≤ -13 | -28.240                                          | -29.390 | -31.174 | -33.291 | -26.43 | -27.47 | -17.34 | -21.61 | -22.63 |
| Result      |         |       | Compliance                                       |         |         |         |        |        |        |        |        |

| Mode        |         |       | DFT-s-OFDM Module B NR Band n261 : BE (dBm) 1 RB |         |        |         |         |        |
|-------------|---------|-------|--------------------------------------------------|---------|--------|---------|---------|--------|
| BW          |         |       | 300MHz                                           |         |        | 400MHz  |         |        |
| Limit (dBm) |         |       | QPSK                                             | 16QAM   | 64QAM  | QPSK    | 16QAM   | 64QAM  |
| Low CH      | 0~10%OB | ≤ -5  | -31.271                                          | -15.26  | -18.71 | -32.225 | -15.55  | -18.95 |
|             | >10%OB  | ≤ -13 | -20.850                                          | -15.59  | -20.23 | -20.406 | -19.63  | -25.34 |
| High CH     | 0~10%OB | ≤ -5  | -30.391                                          | -30.309 | -17.10 | -30.594 | -31.979 | -19.80 |
|             | >10%OB  | ≤ -13 | -17.030                                          | -17.736 | -15.89 | -15.477 | -19.211 | -19.26 |
| Result      |         |       | Compliance                                       |         |        |         |         |        |

| Mode        |         |       | CP-OFDM Module B NR Band n261 : BE (dBm) 1 RB |         |         |
|-------------|---------|-------|-----------------------------------------------|---------|---------|
| BW          |         |       | 50MHz                                         | 100MHz  | 200MHz  |
| Limit (dBm) |         |       | QPSK                                          | QPSK    | QPSK    |
| Low CH      | 0~10%OB | ≤ -5  | -19.570                                       | -5.55   | -28.557 |
|             | >10%OB  | ≤ -13 | -22.680                                       | -25.10  | -20.620 |
| High CH     | 0~10%OB | ≤ -5  | -20.406                                       | -24.330 | -7.55   |
|             | >10%OB  | ≤ -13 | -29.335                                       | -34.719 | -13.98  |
| Result      |         |       | Compliance                                    |         |         |

| Mode        |         |       | CP-OFDM Module B NR Band n261 : BE (dBm) 1 RB |         |
|-------------|---------|-------|-----------------------------------------------|---------|
| BW          |         |       | 300MHz                                        | 400MHz  |
| Limit (dBm) |         |       | QPSK                                          | QPSK    |
| Low CH      | 0~10%OB | ≤ -5  | -31.929                                       | -32.626 |
|             | >10%OB  | ≤ -13 | -16.745                                       | -22.266 |
| High CH     | 0~10%OB | ≤ -5  | -30.619                                       | -33.464 |
|             | >10%OB  | ≤ -13 | -14.921                                       | -19.575 |
| Result      |         |       | Compliance                                    |         |

| Mode        |         |      | DFT-s-OFDM Module B NR Band n261 : BE (dBm) Full RB |        |        |        |        |        |        |        |        |
|-------------|---------|------|-----------------------------------------------------|--------|--------|--------|--------|--------|--------|--------|--------|
| BW          |         |      | 50MHz                                               |        |        | 100MHz |        |        | 200MHz |        |        |
| Limit (dBm) |         |      | QPSK                                                | 16QAM  | 64QAM  | QPSK   | 16QAM  | 64QAM  | QPSK   | 16QAM  | 64QAM  |
| Low CH      | 0~10%OB | ≤-5  | -10.32                                              | -14.03 | -14.28 | -17.00 | -18.35 | -18.46 | -21.69 | -23.36 | -27.38 |
|             | >10%OB  | ≤-13 | -20.18                                              | -24.43 | 29.84  | -24.53 | -28.28 | -31.99 | -28.18 | -30.88 | -32.73 |
| High CH     | 0~10%OB | ≤-5  | -10.72                                              | -13.44 | -13.68 | -19.03 | -21.77 | -23.69 | -25.40 | -27.52 | -28.44 |
|             | >10%OB  | ≤-13 | -19.12                                              | -22.20 | -27.82 | -22.40 | -24.63 | -29.64 | -29.12 | -31.71 | -33.03 |
| Result      |         |      | Compliance                                          |        |        |        |        |        |        |        |        |

| Mode        |         |      | DFT-s-OFDM Module B NR Band n261 : BE (dBm) Full RB |        |        |        |        |        |
|-------------|---------|------|-----------------------------------------------------|--------|--------|--------|--------|--------|
| BW          |         |      | 300MHz                                              |        |        | 400MHz |        |        |
| Limit (dBm) |         |      | QPSK                                                | 16QAM  | 64QAM  | QPSK   | 16QAM  | 64QAM  |
| Low CH      | 0~10%OB | ≤-5  | -22.19                                              | -24.32 | -27.39 | -23.03 | -25.98 | -30.72 |
|             | >10%OB  | ≤-13 | -25.91                                              | -29.88 | -33.40 | -25.00 | -28.94 | -33.31 |
| High CH     | 0~10%OB | ≤-5  | -22.64                                              | -26.46 | -28.71 | -22.01 | -25.32 | -30.27 |
|             | >10%OB  | ≤-13 | -21.21                                              | -24.80 | -31.10 | -20.02 | -24.61 | -30.28 |
| Result      |         |      | Compliance                                          |        |        |        |        |        |

| Mode        |         |      | CP-OFDM Module B NR Band n261 : BE (dBm) Full RB |        |        |
|-------------|---------|------|--------------------------------------------------|--------|--------|
| BW          |         |      | 50MHz                                            | 100MHz | 200MHz |
| Limit (dBm) |         |      | QPSK                                             | QPSK   | QPSK   |
| Low CH      | 0~10%OB | ≤-5  | -11.48                                           | -18.48 | -19.47 |
|             | >10%OB  | ≤-13 | -19.16                                           | -23.83 | -25.20 |
| High CH     | 0~10%OB | ≤-5  | -13.40                                           | -17.53 | -19.21 |
|             | >10%OB  | ≤-13 | -19.76                                           | -22.12 | -27.15 |
| Result      |         |      | Compliance                                       |        |        |

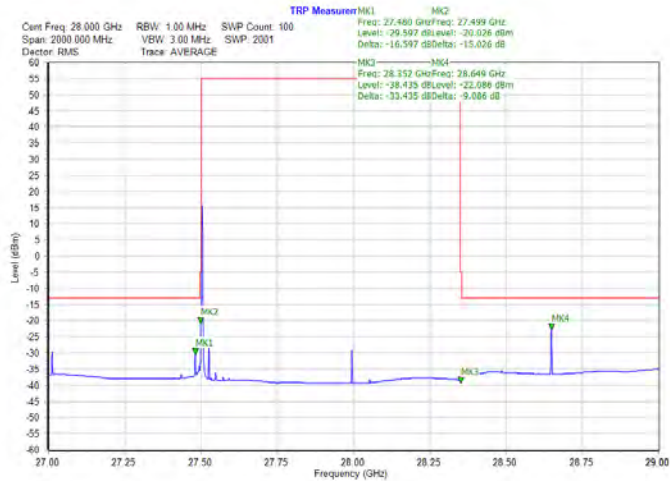
| Mode        |         |      | CP-OFDM Module B NR Band n261 : BE (dBm) Full RB |        |
|-------------|---------|------|--------------------------------------------------|--------|
| BW          |         |      | 300MHz                                           | 400MHz |
| Limit (dBm) |         |      | QPSK                                             | QPSK   |
| Low CH      | 0~10%OB | ≤-5  | -20.73                                           | -22.40 |
|             | >10%OB  | ≤-13 | -21.32                                           | -22.85 |
| High CH     | 0~10%OB | ≤-5  | -19.47                                           | -19.98 |
|             | >10%OB  | ≤-13 | -19.12                                           | -19.01 |
| Result      |         |      | Compliance                                       |        |



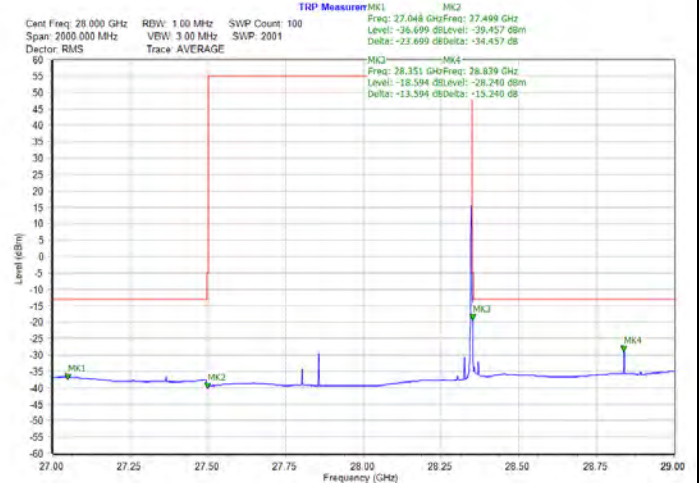
## DFT-s-OFDM Module B

## NR Band n261 / 50MHz / QPSK

## Lowest Band Edge / 1 RB

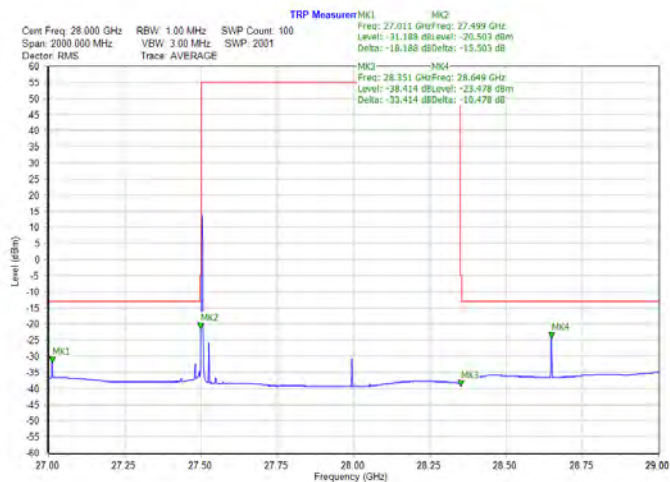


## Highest Band Edge / 1 RB



## NR Band n261 / 50MHz / 16QAM

## Lowest Band Edge / 1 RB



## Highest Band Edge / 1 RB

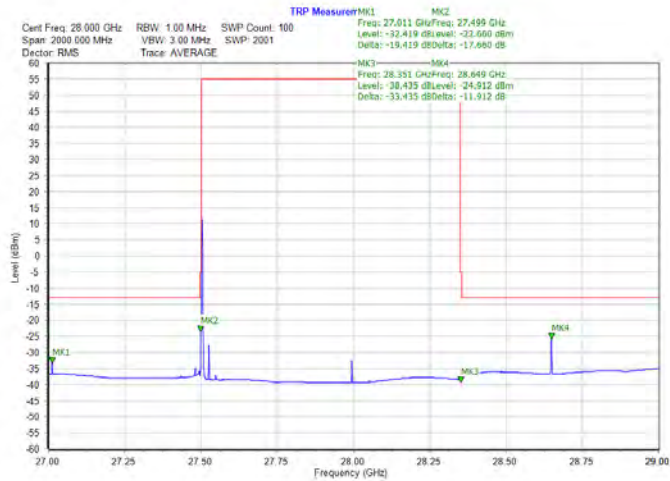




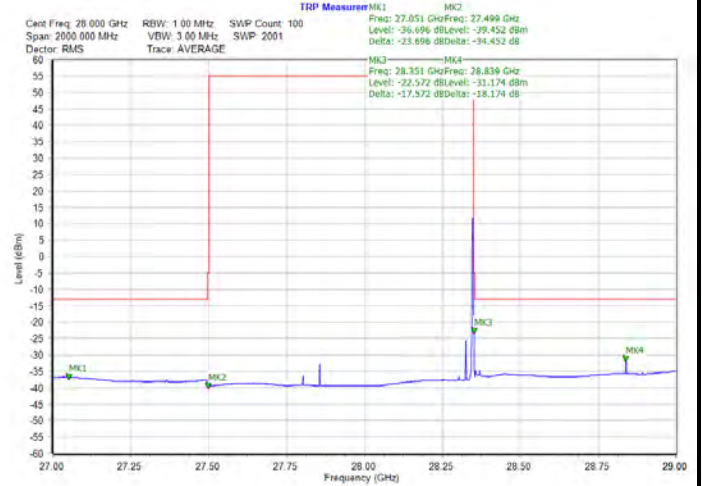
## DFT-s-OFDM Module B

## NR Band n261 / 50MHz / 64QAM

## Lowest Band Edge / 1 RB

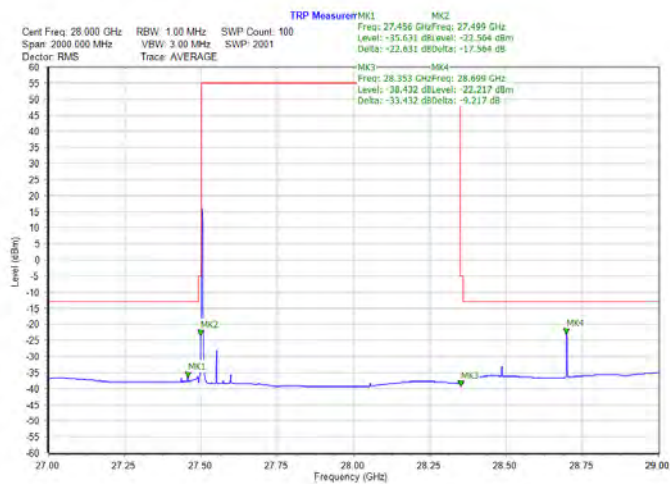


## Highest Band Edge / 1 RB

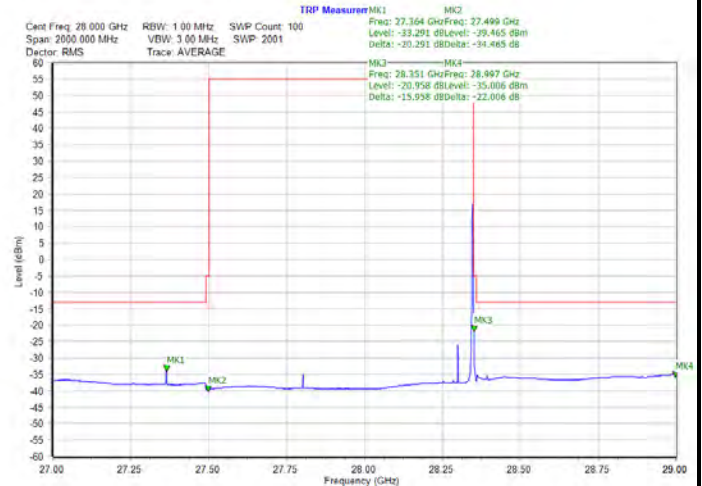


## NR Band n261 / 100MHz / QPSK

## Lowest Band Edge / 1 RB



## Highest Band Edge / 1 RB

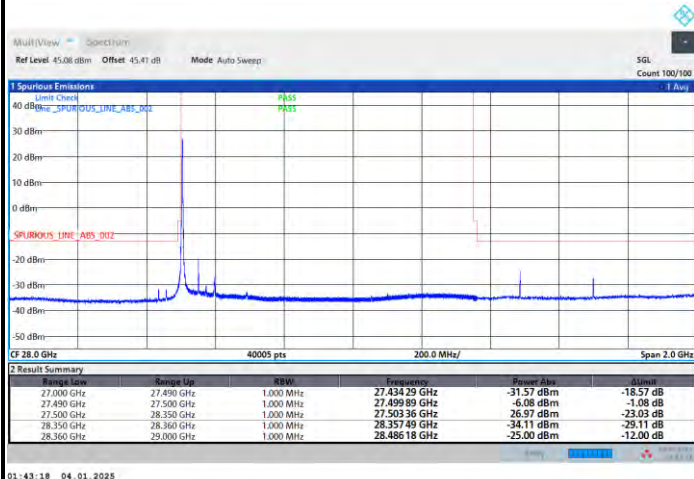




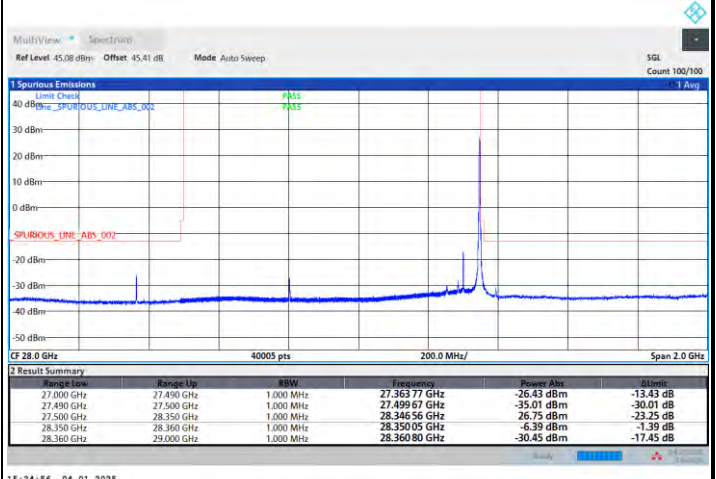
## DFT-s-OFDM Module B

## NR Band n261 / 100MHz / 16QAM

## Lowest Band Edge / 1 RB

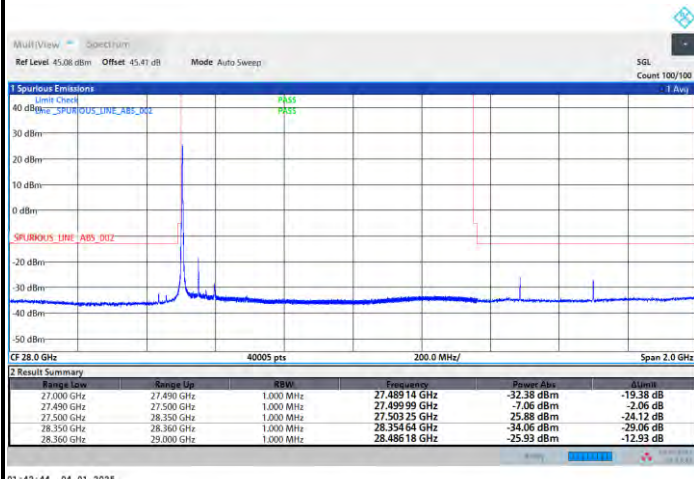


## Highest Band Edge / 1 RB

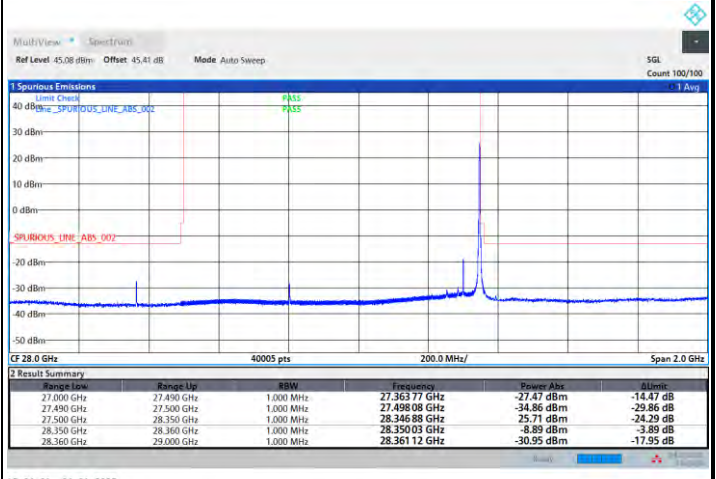


## NR Band n261 / 100MHz / 64QAM

## Lowest Band Edge / 1 RB



## Highest Band Edge / 1 RB

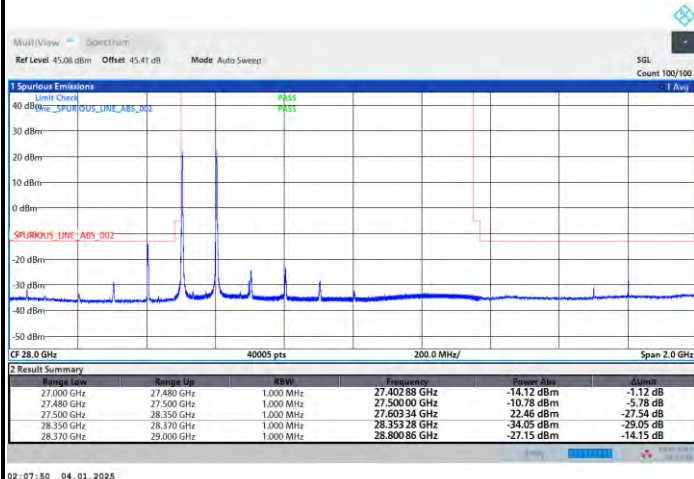




## DFT-s-OFDM Module B

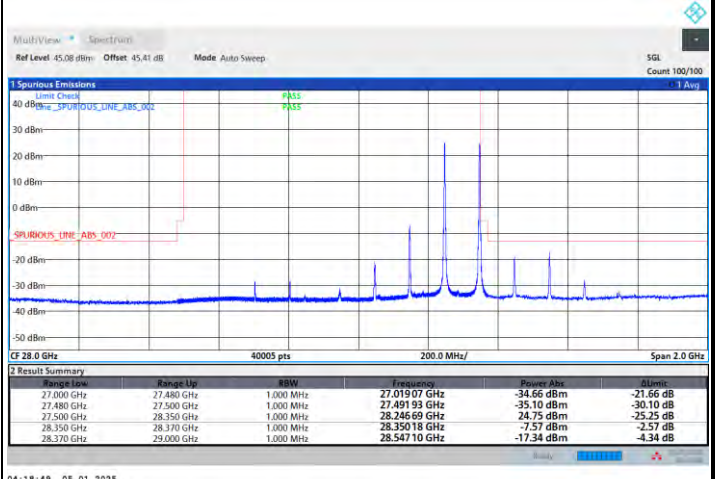
## NR Band n261 / 200MHz / QPSK

## Lowest Band Edge / 1 RB



02:07:50 04.01.2025

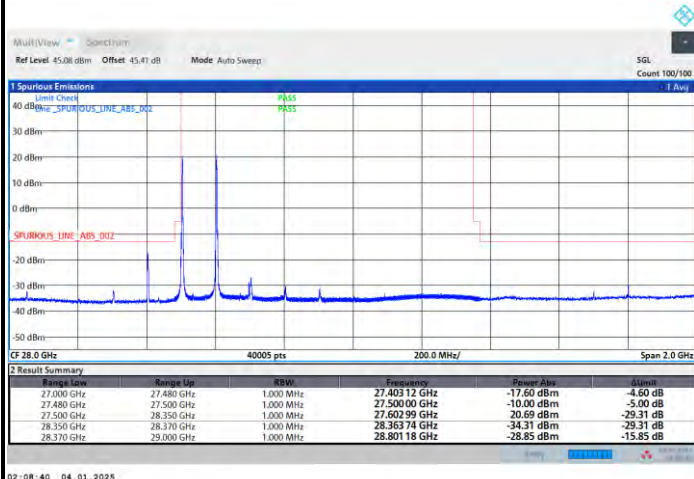
## Highest Band Edge / 1 RB



04:18:49 05.01.2025

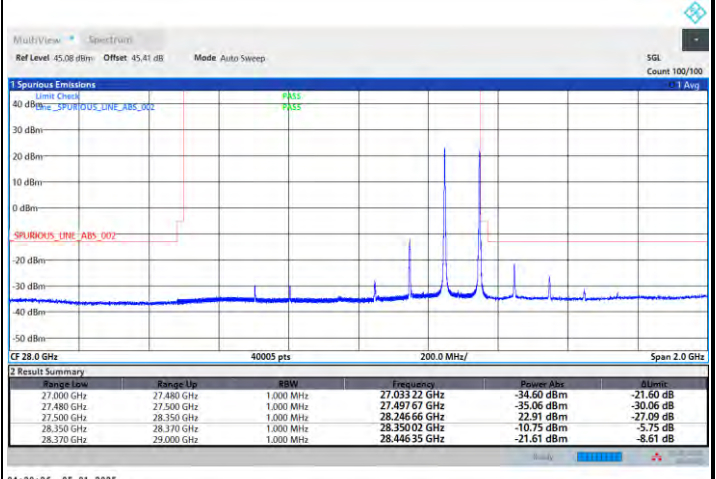
## NR Band n261 / 200MHz / 16QAM

## Lowest Band Edge / 1 RB



02:08:40 04.01.2025

## Highest Band Edge / 1 RB



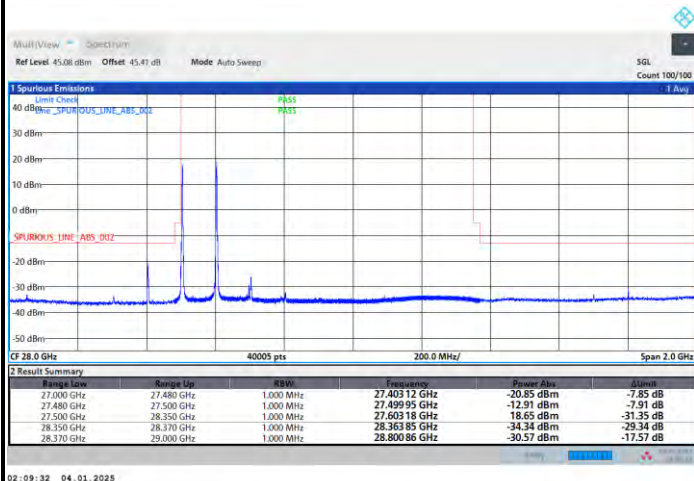
04:20:26 05.01.2025



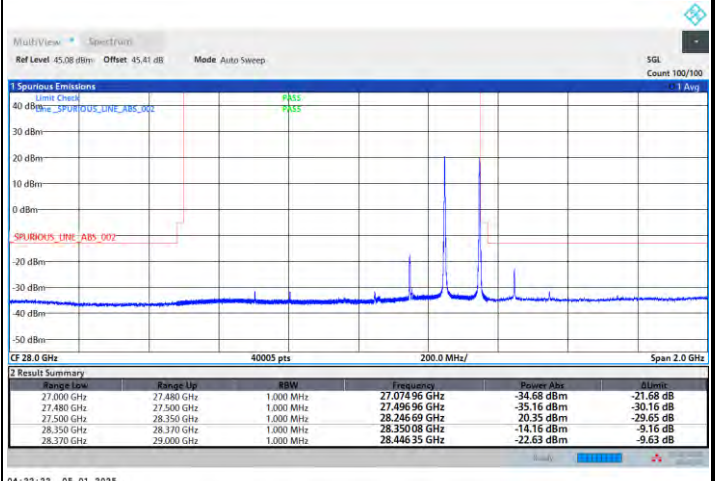
## DFT-s-OFDM Module B

## NR Band n261 / 200MHz / 64QAM

## Lowest Band Edge / 1 RB

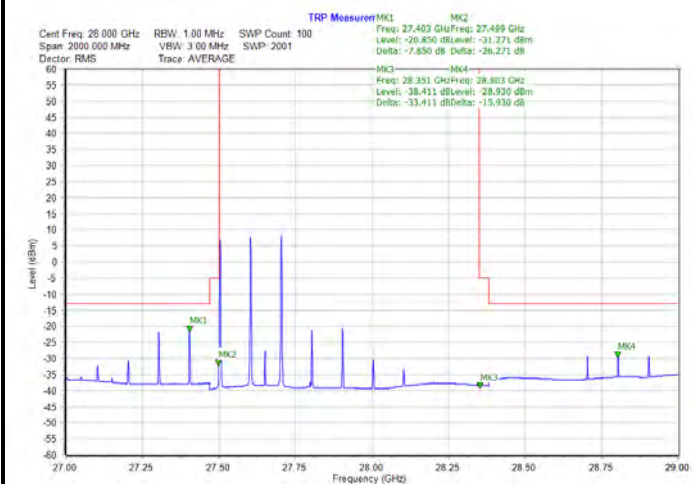


## Highest Band Edge / 1 RB

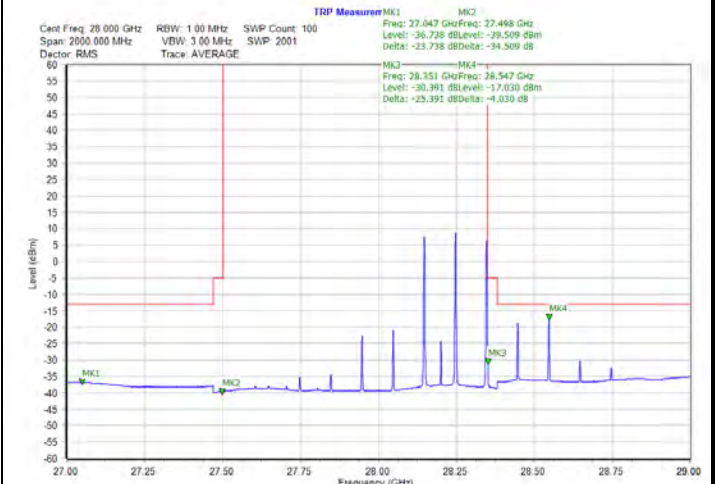


## NR Band n261 / 300MHz / QPSK

## Lowest Band Edge / 1 RB



## Highest Band Edge / 1 RB

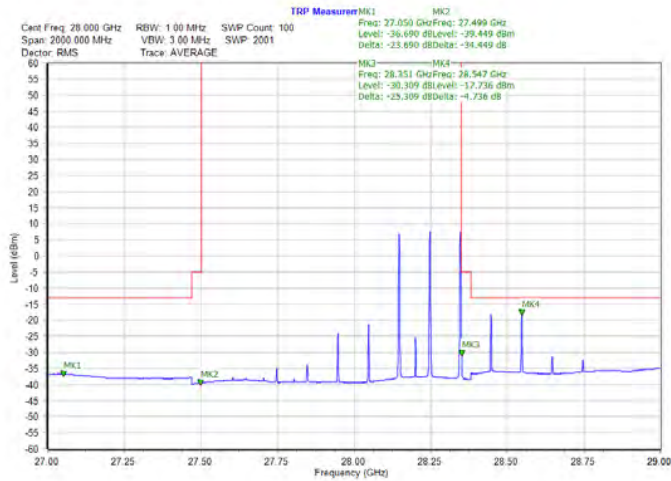




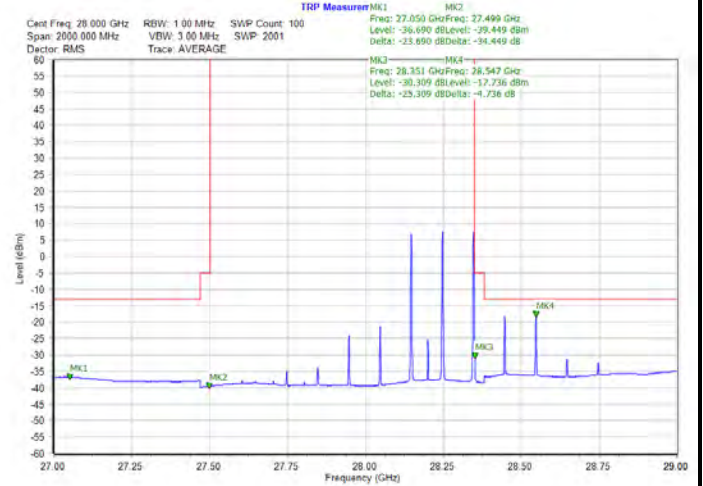
## DFT-s-OFDM Module B

## NR Band n261 / 300MHz / 16QAM

## Lowest Band Edge / 1 RB

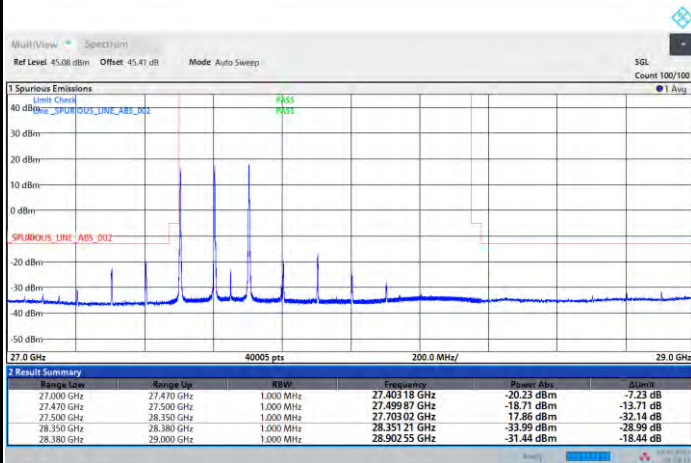


## Highest Band Edge / 1 RB



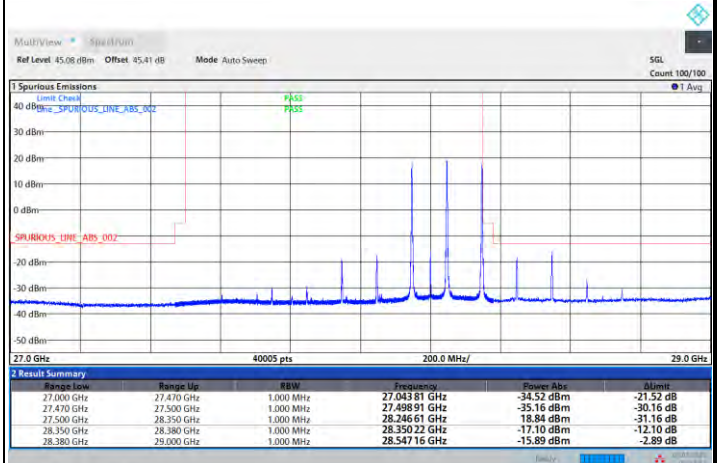
## NR Band n261 / 300MHz / 64QAM

## Lowest Band Edge / 1 RB



02:58:15 04.01.2025

## Highest Band Edge / 1 RB



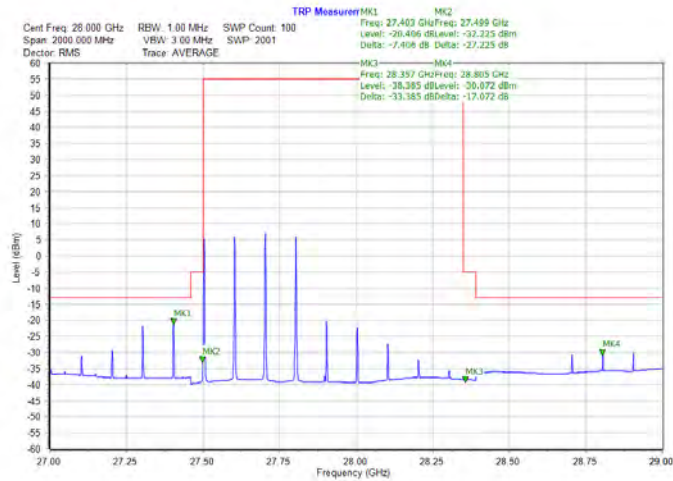
05:14:44 05.01.2025



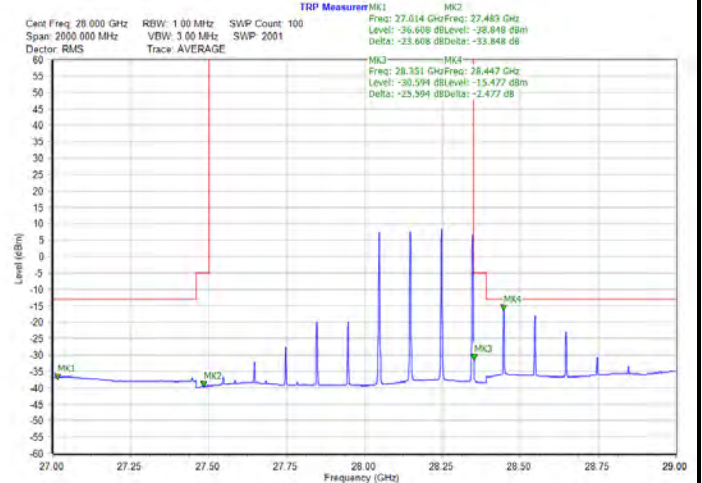
## DFT-s-OFDM Module B

## NR Band n261 / 400MHz / QPSK

## Lowest Band Edge / 1 RB

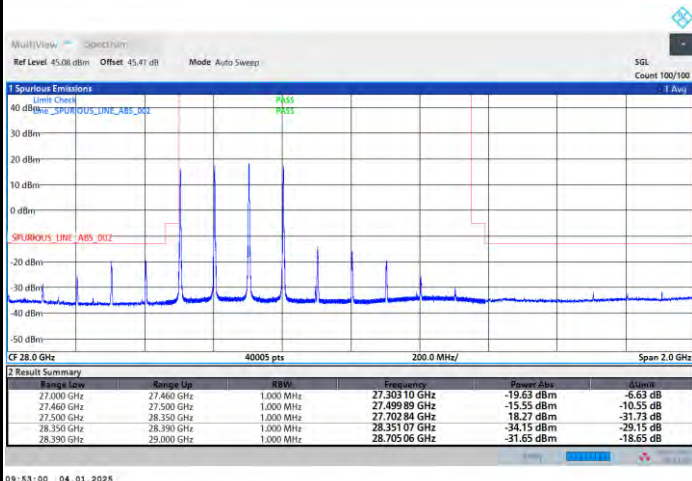


## Highest Band Edge / 1 RB

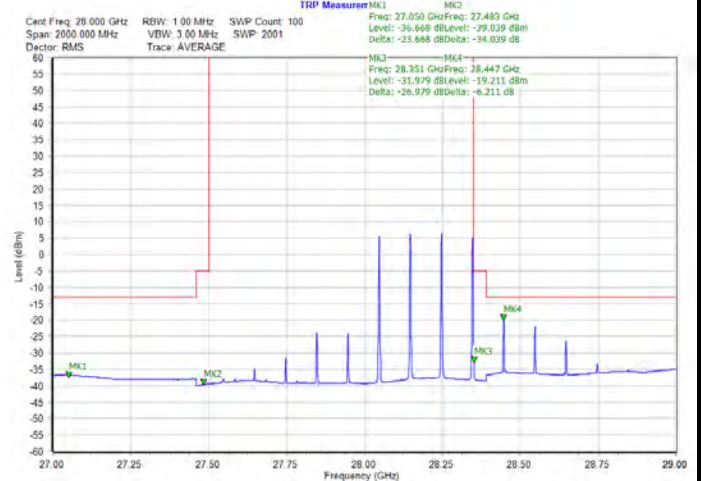


## NR Band n261 / 400MHz / 16QAM

## Lowest Band Edge / 1 RB



## Highest Band Edge / 1 RB

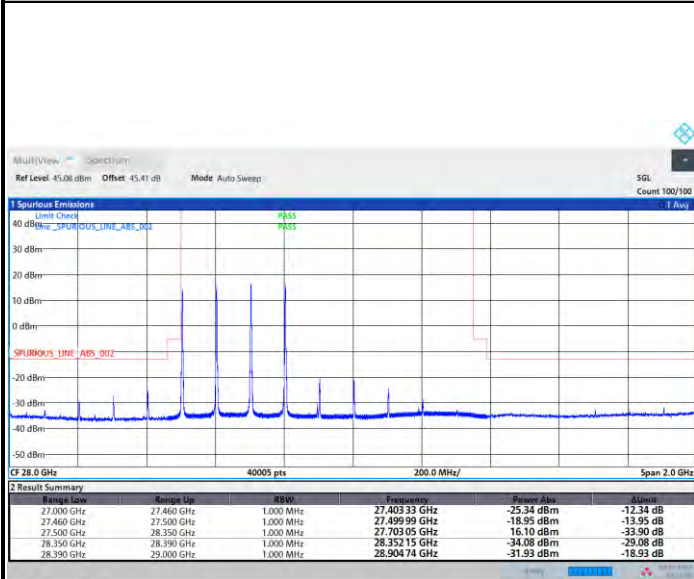




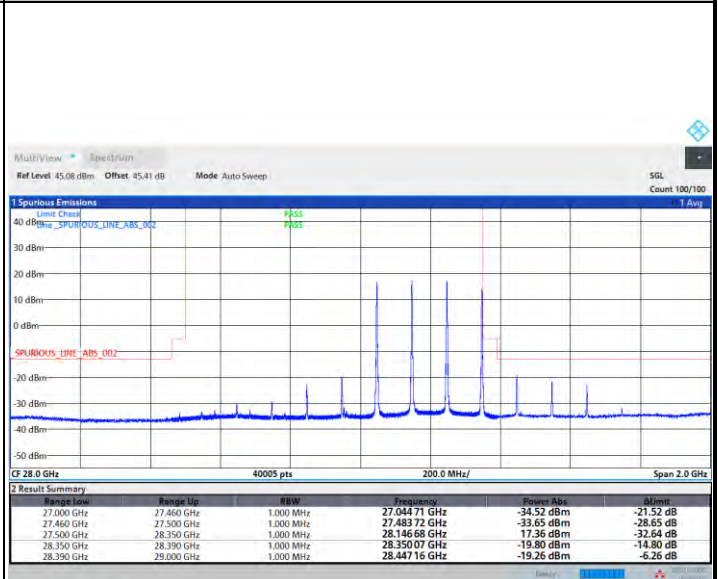
## DFT-s-OFDM Module B

## NR Band n261 / 400MHz / 64QAM

## Lowest Band Edge / 1 RB



## Highest Band Edge / 1 RB

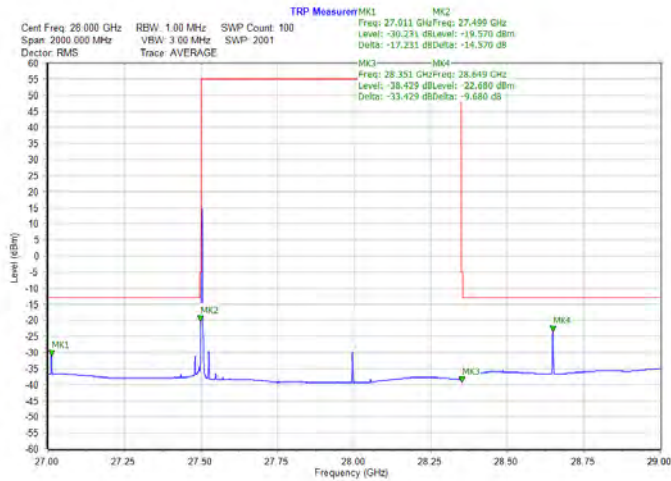




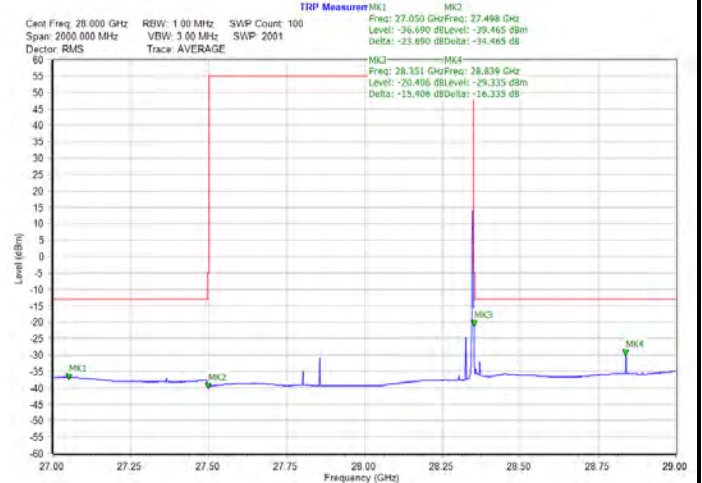
## CP-OFDM Module B

## NR Band n261 / 50MHz / QPSK

## Lowest Band Edge / 1 RB

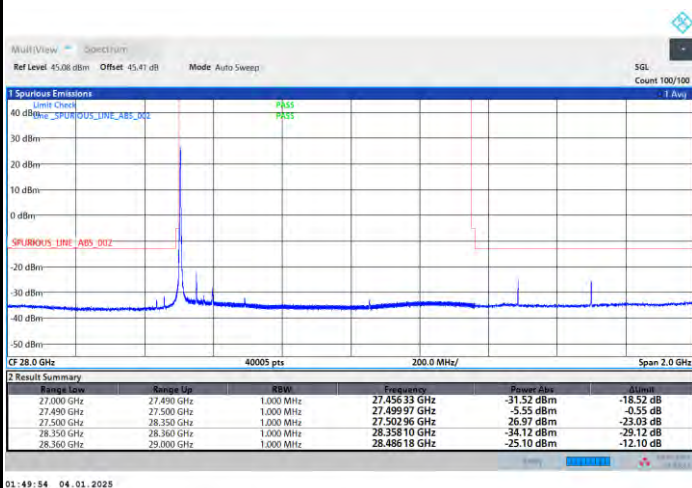


## Highest Band Edge / 1 RB

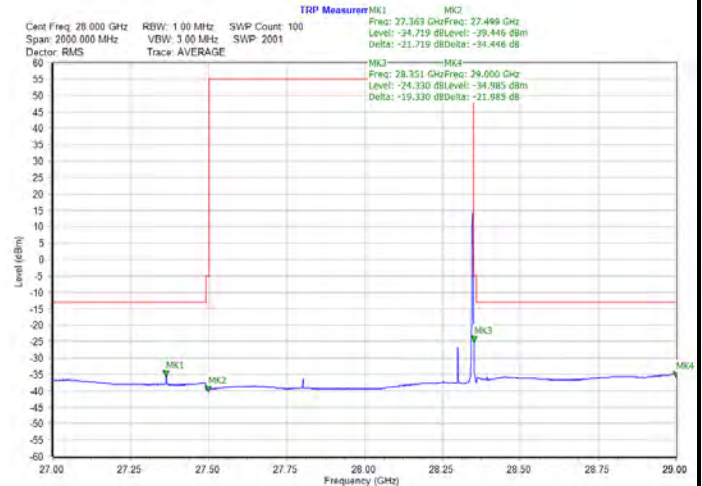


## NR Band n261 / 100MHz / QPSK

## Lowest Band Edge / 1 RB



## Highest Band Edge / 1 RB

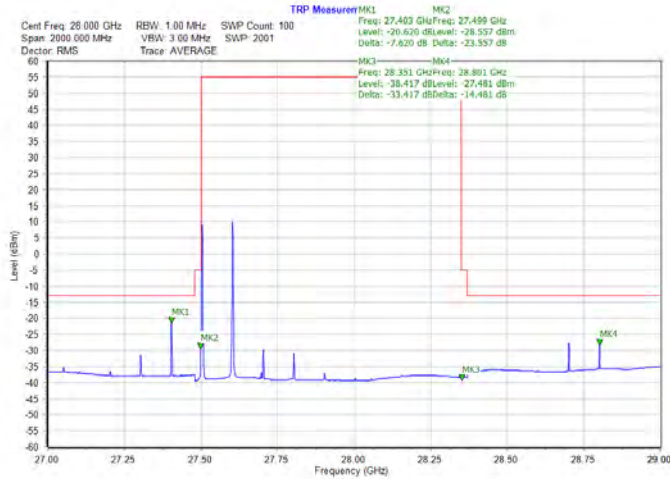




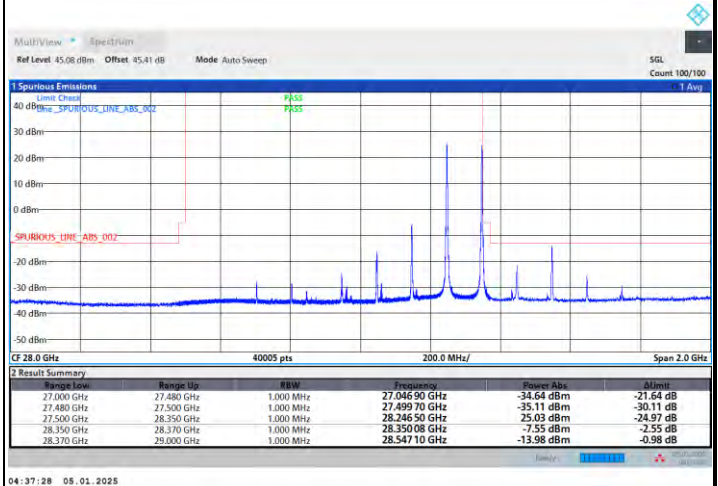
## CP-OFDM Module B

## NR Band n261 / 200MHz / QPSK

## Lowest Band Edge / 1 RB

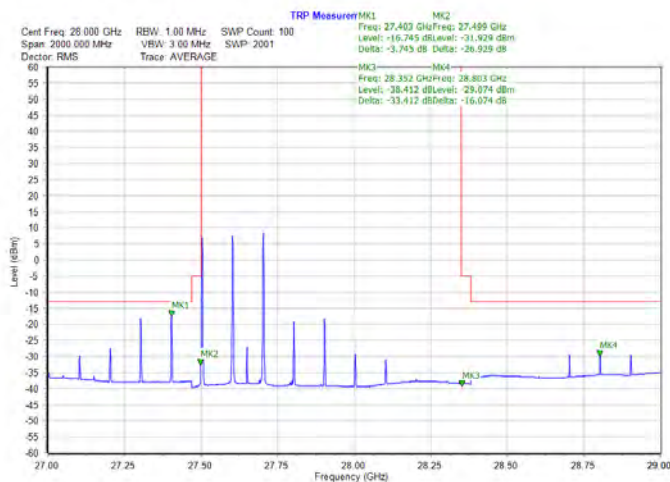


## Highest Band Edge / 1 RB

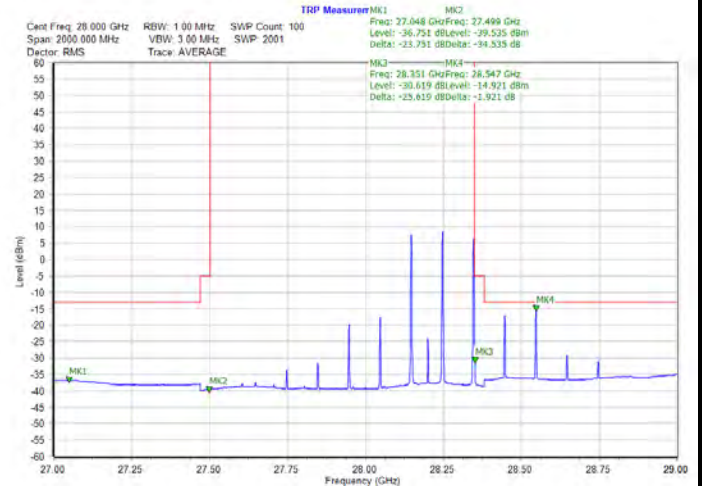


## NR Band n261 / 300MHz / QPSK

## Lowest Band Edge / 1 RB



## Highest Band Edge / 1 RB



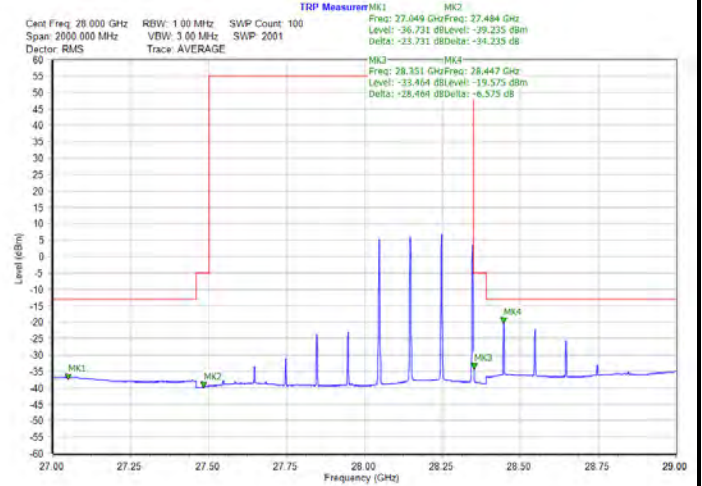
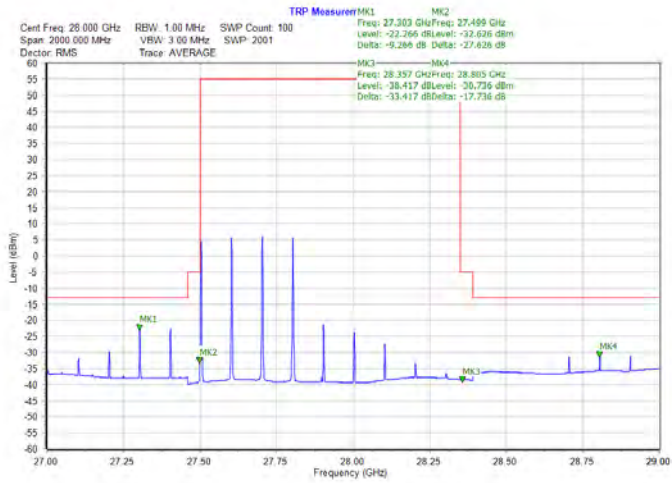


CP-OFDM Module B

NR Band n261 / 400MHz / QPSK

Lowest Band Edge / 1 RB

Highest Band Edge / 1 RB

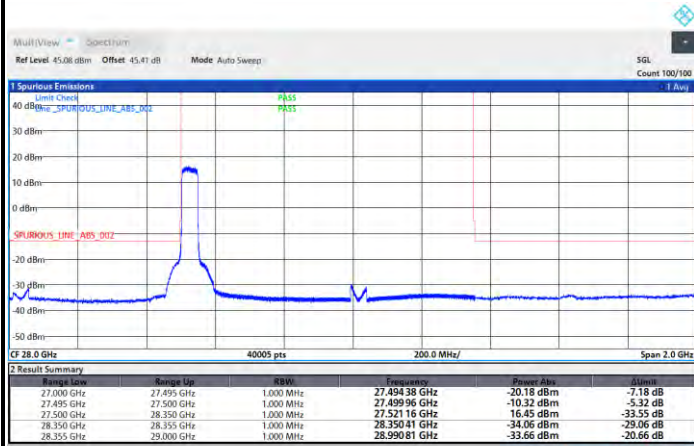




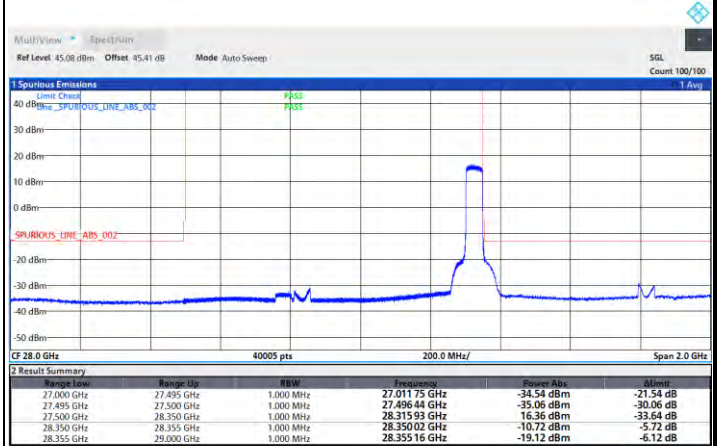
## DFT-s-OFDM Module B

## NR Band n261 / 50MHz / QPSK

## Lowest Band Edge / Full RB

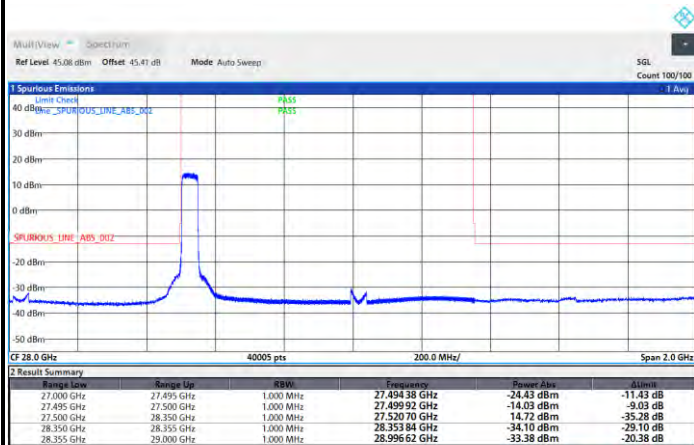


## Highest Band Edge / Full RB

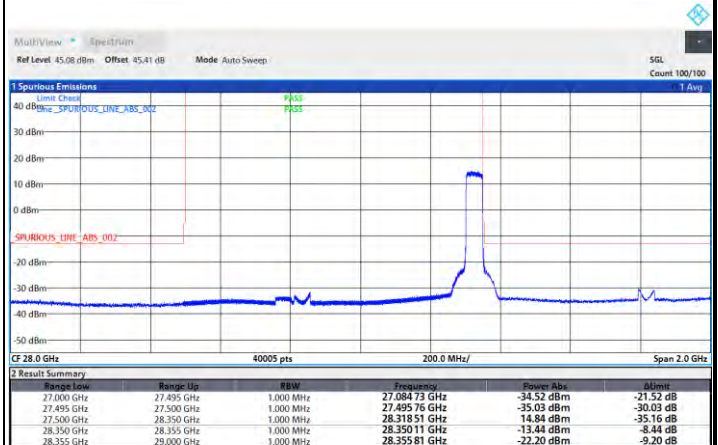


## NR Band n261 / 50MHz / 16QAM

## Lowest Band Edge / Full RB



## Highest Band Edge / Full RB

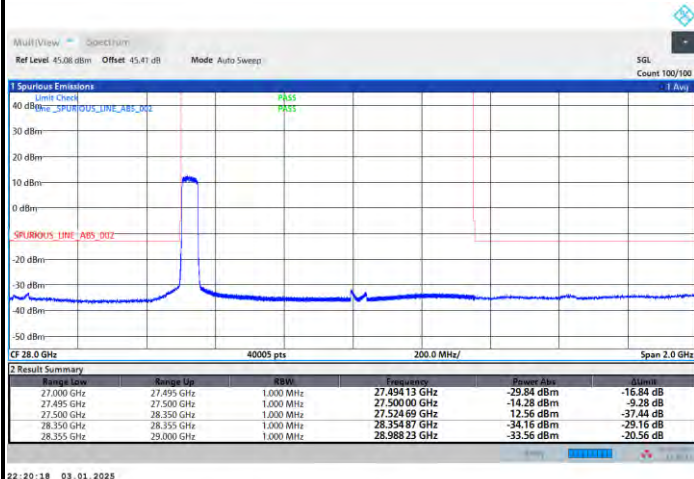




## DFT-s-OFDM Module B

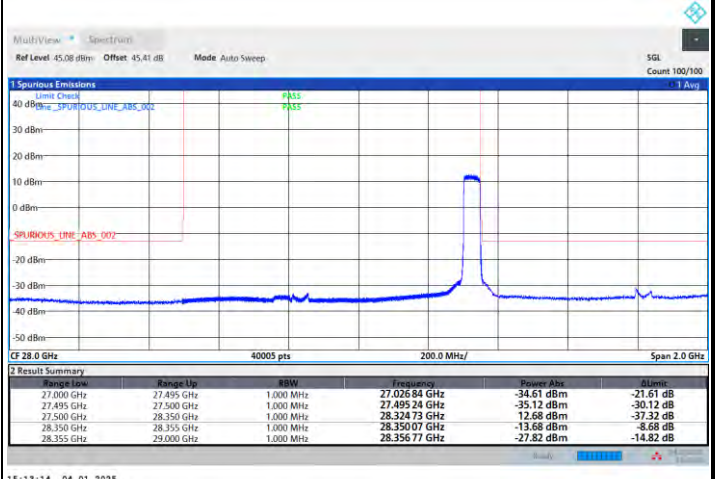
## NR Band n261 / 50MHz / 64QAM

## Lowest Band Edge / Full RB



22:20:18 03.01.2025

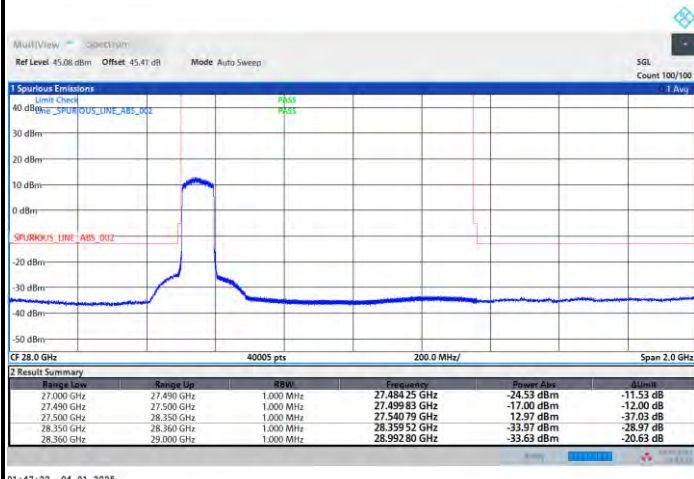
## Highest Band Edge / Full RB



15:13:14 04.01.2025

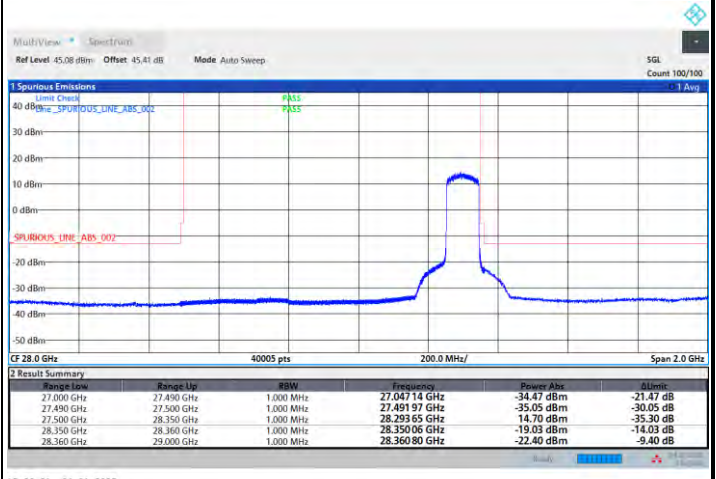
## NR Band n261 / 100MHz / QPSK

## Lowest Band Edge / Full RB



01:47:22 04.01.2025

## Highest Band Edge / Full RB



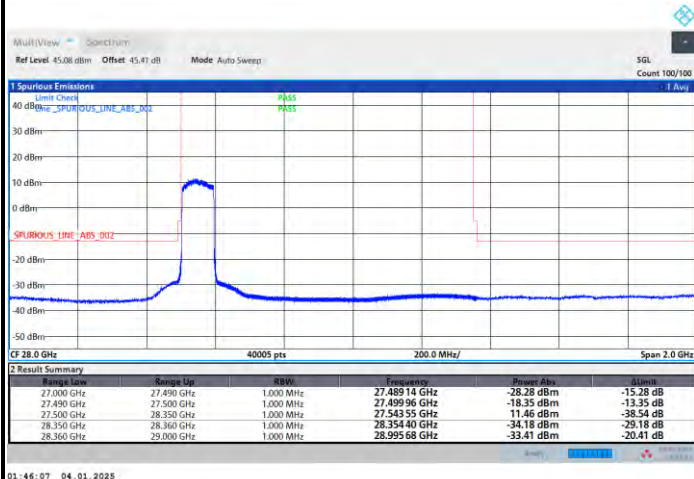
15:29:21 04.01.2025



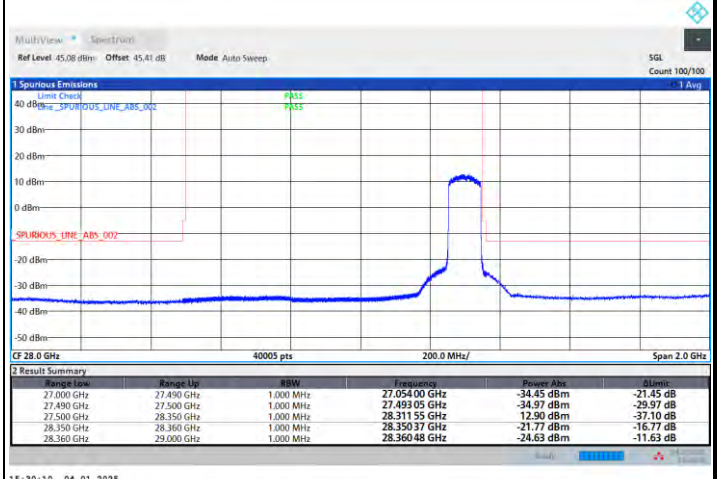
## DFT-s-OFDM Module B

## NR Band n261 / 100MHz / 16QAM

## Lowest Band Edge / Full RB

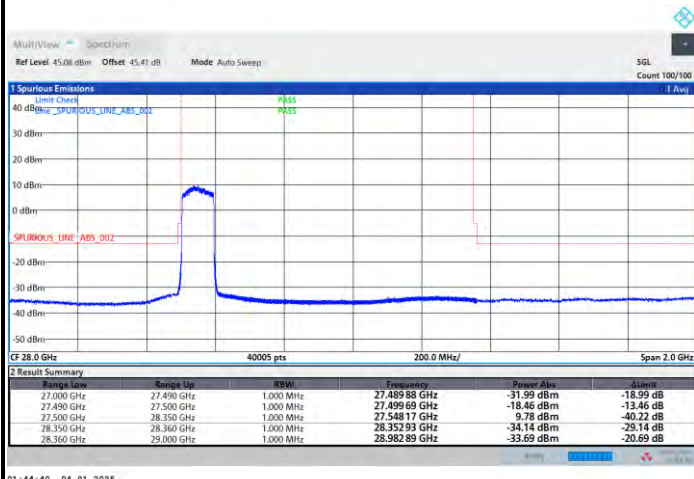


## Highest Band Edge / Full RB

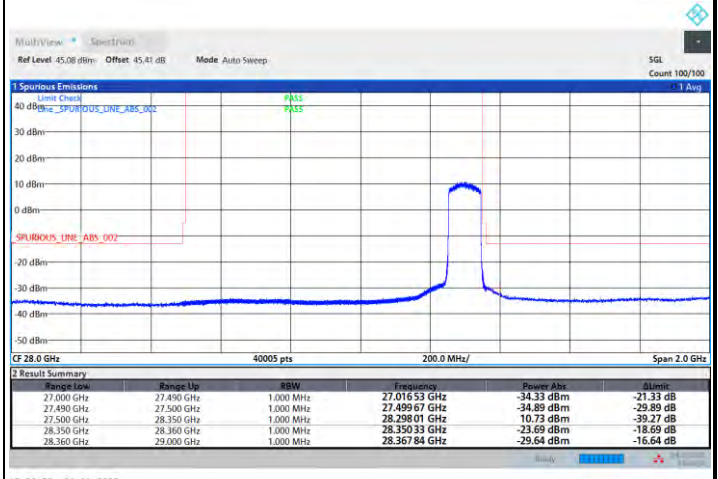


## NR Band n261 / 100MHz / 64QAM

## Lowest Band Edge / Full RB



## Highest Band Edge / Full RB

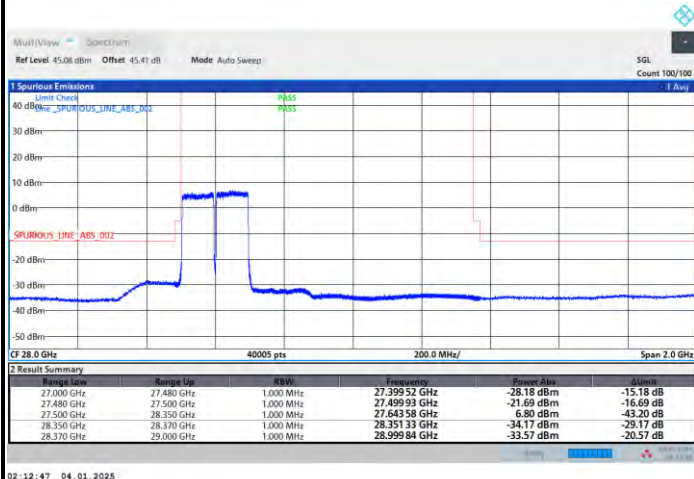




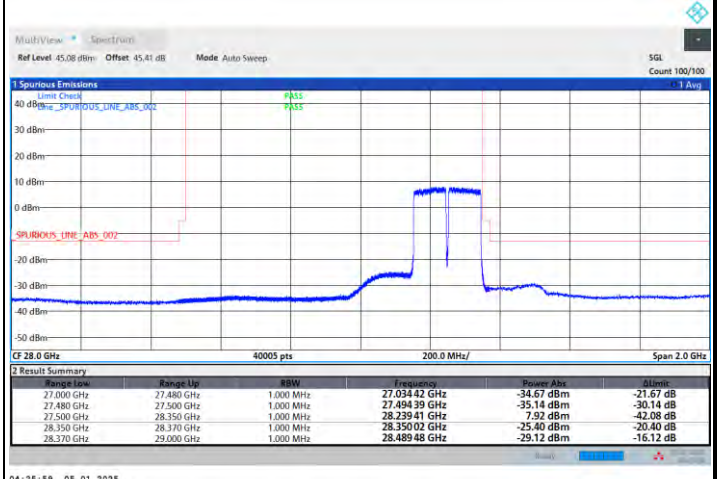
## DFT-s-OFDM Module B

## NR Band n261 / 200MHz / QPSK

## Lowest Band Edge / Full RB

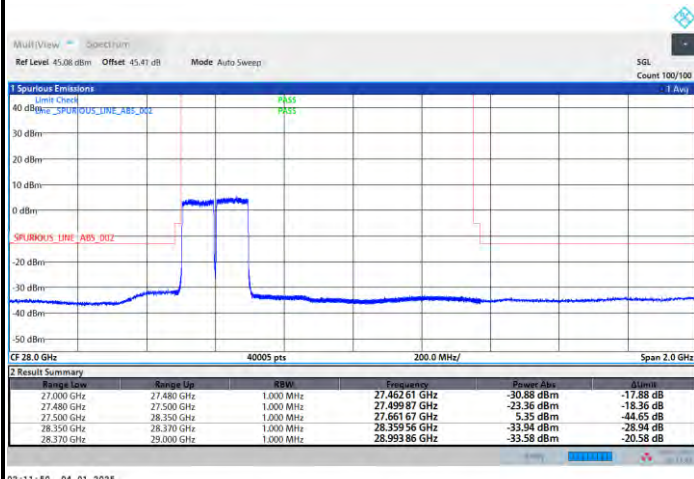


## Highest Band Edge / Full RB

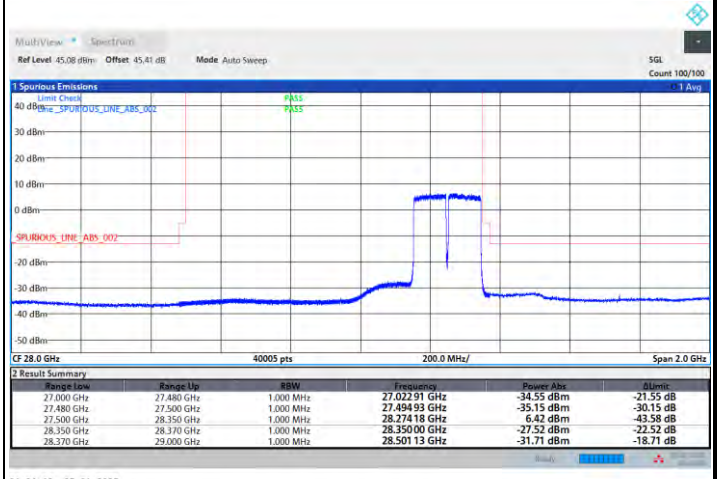


## NR Band n261 / 200MHz / 16QAM

## Lowest Band Edge / Full RB



## Highest Band Edge / Full RB

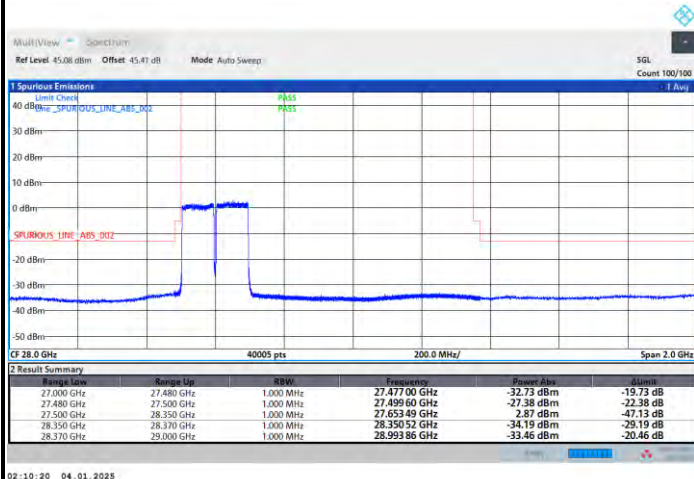




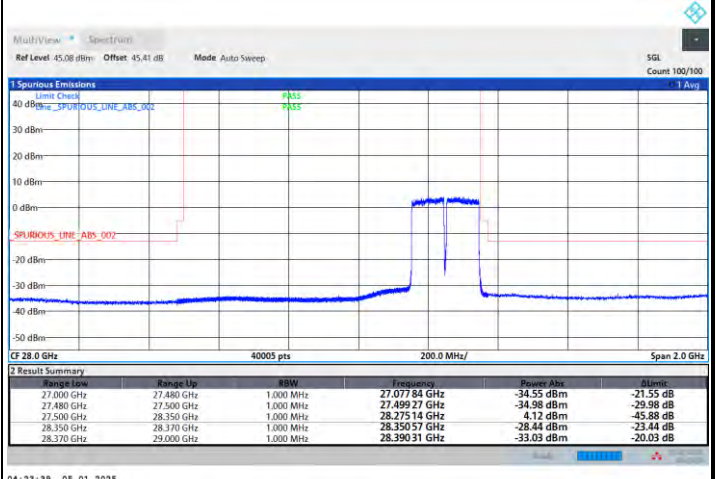
## DFT-s-OFDM Module B

## NR Band n261 / 200MHz / 64QAM

## Lowest Band Edge / Full RB

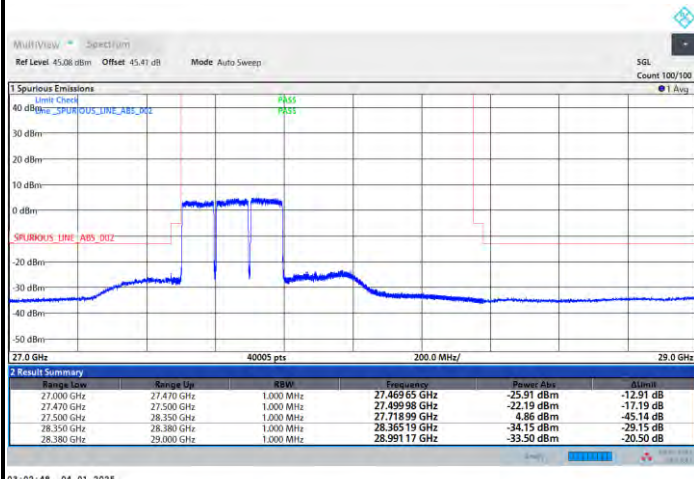


## Highest Band Edge / Full RB

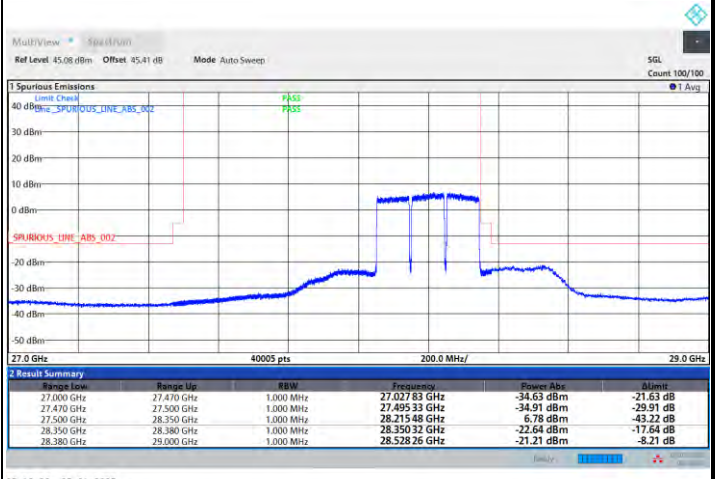


## NR Band n261 / 300MHz / QPSK

## Lowest Band Edge / Full RB



## Highest Band Edge / Full RB

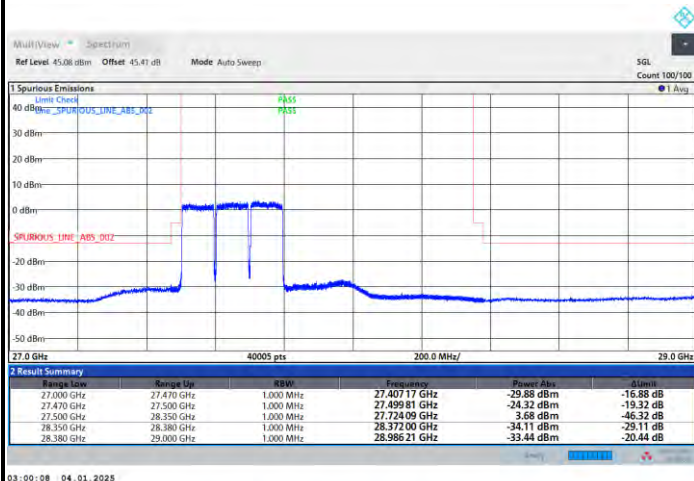




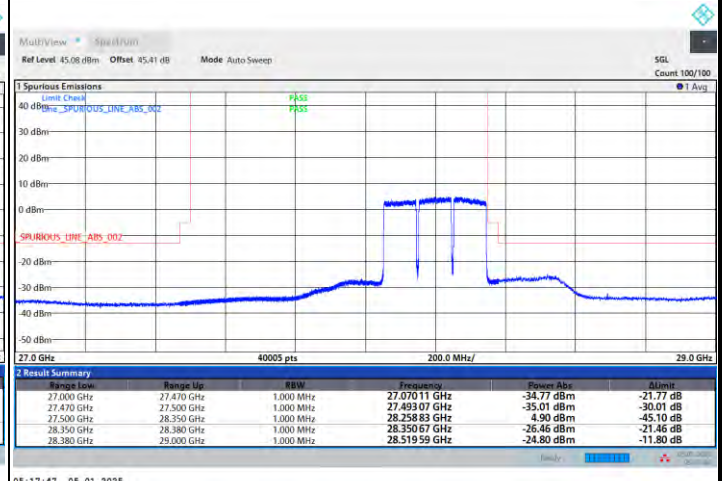
## DFT-s-OFDM Module B

## NR Band n261 / 300MHz / 16QAM

## Lowest Band Edge / Full RB

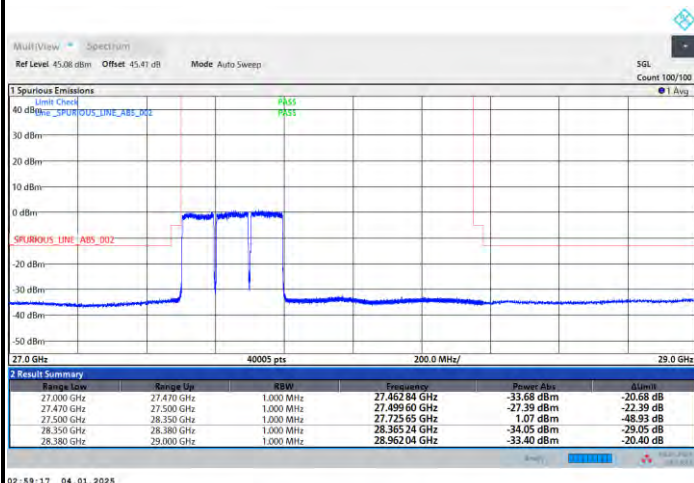


## Highest Band Edge / Full RB

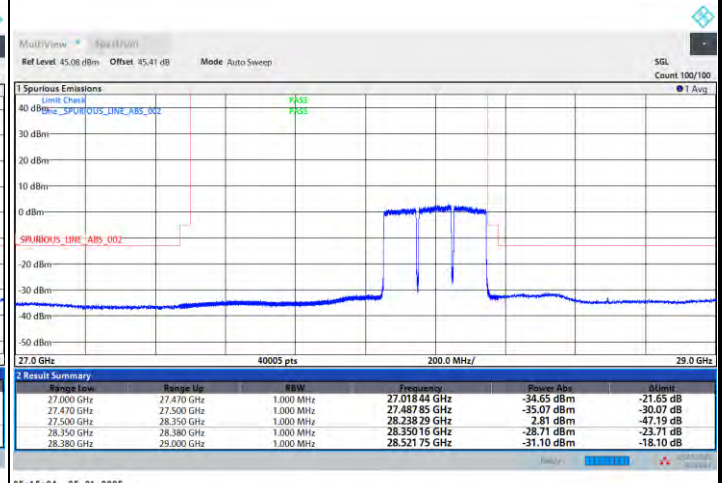


## NR Band n261 / 300MHz / 64QAM

## Lowest Band Edge / Full RB



## Highest Band Edge / Full RB

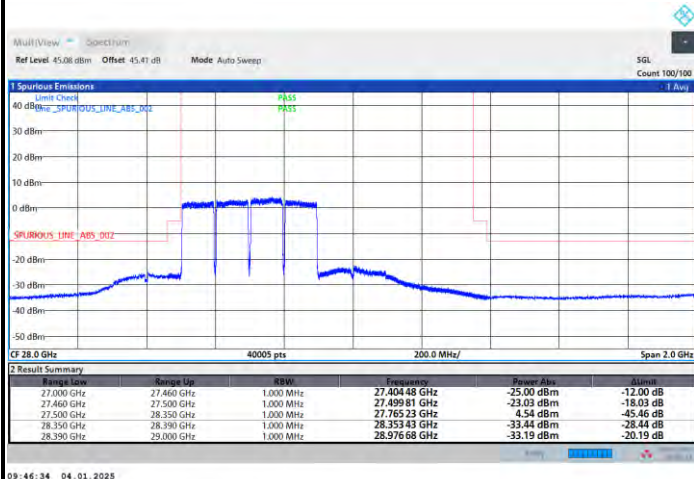




## DFT-s-OFDM Module B

## NR Band n261 / 400MHz / QPSK

## Lowest Band Edge / Full RB



09:46:34 04.01.2025

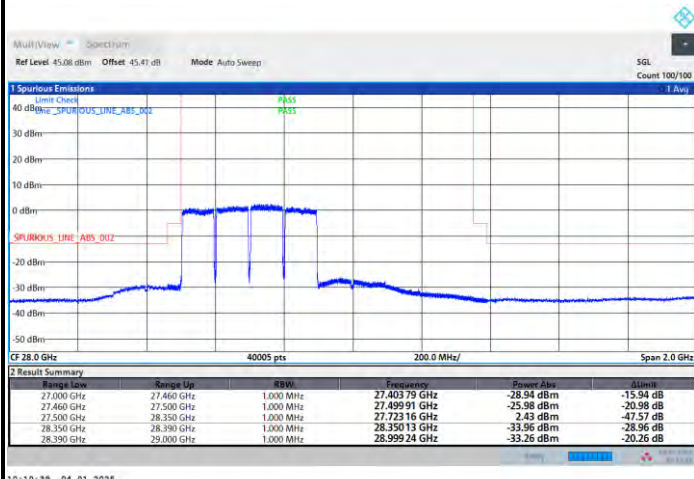
## Highest Band Edge / Full RB



06:30:14 05.01.2025

## NR Band n261 / 400MHz / 16QAM

## Lowest Band Edge / Full RB



10:10:39 04.01.2025

## Highest Band Edge / Full RB



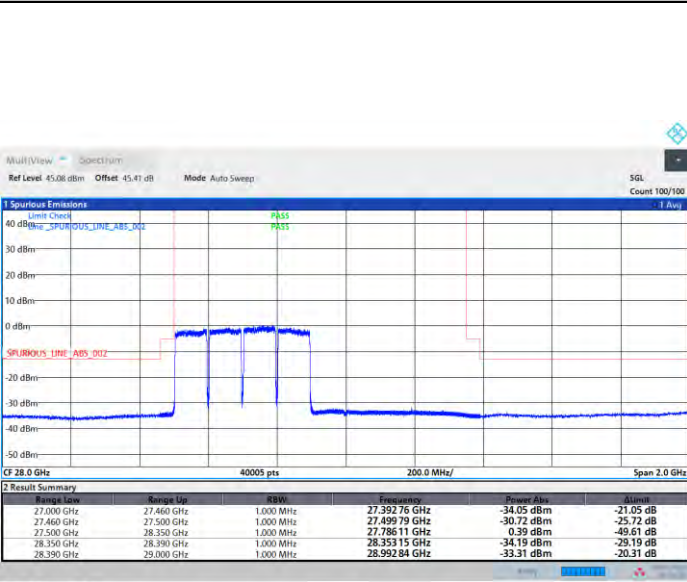
06:28:41 05.01.2025



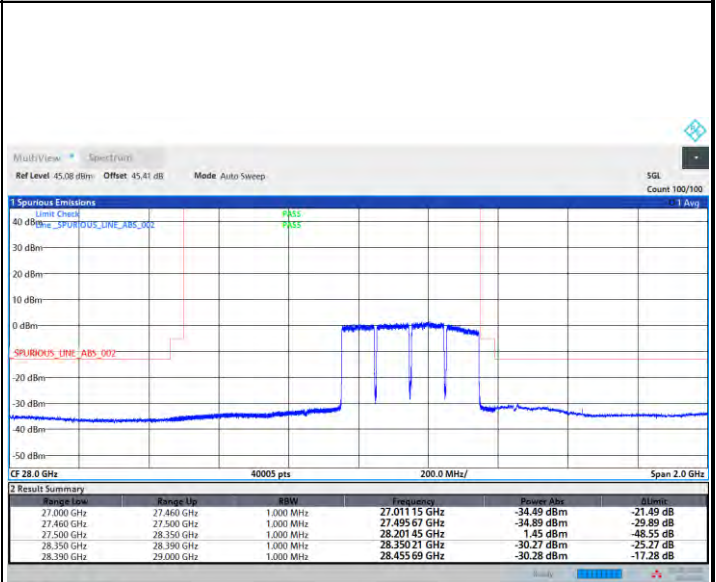
## DFT-s-OFDM Module B

## NR Band n261 / 400MHz / 64QAM

## Lowest Band Edge / Full RB



## Highest Band Edge / Full RB

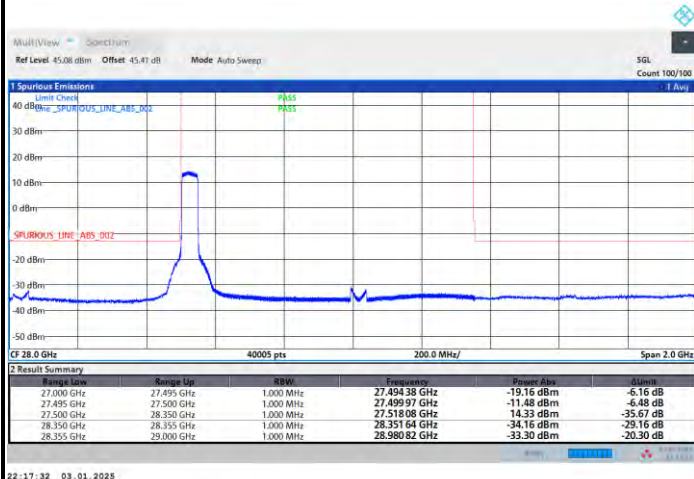




## CP-OFDM Module B

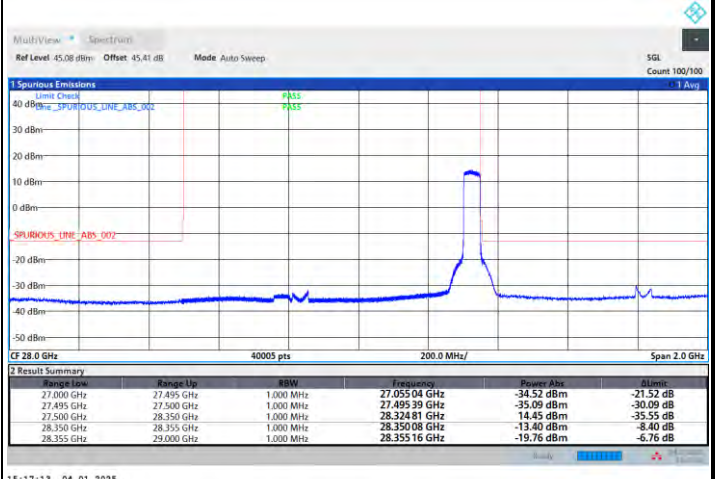
## NR Band n261 / 50MHz / QPSK

## Lowest Band Edge / Full RB



22:17:32 03.01.2025

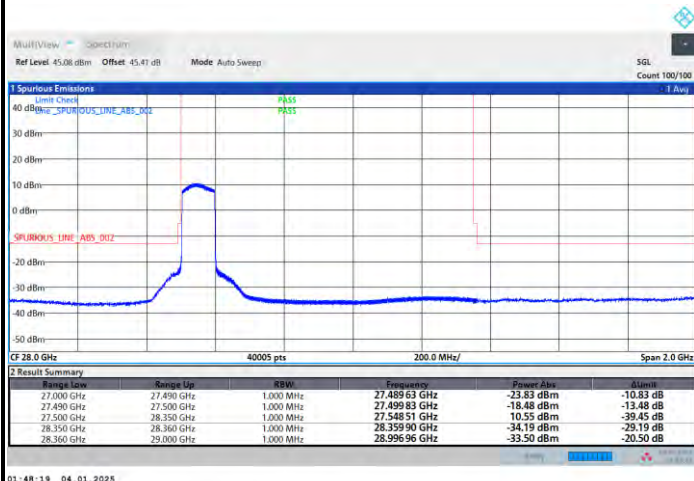
## Highest Band Edge / Full RB



15:17:13 04.01.2025

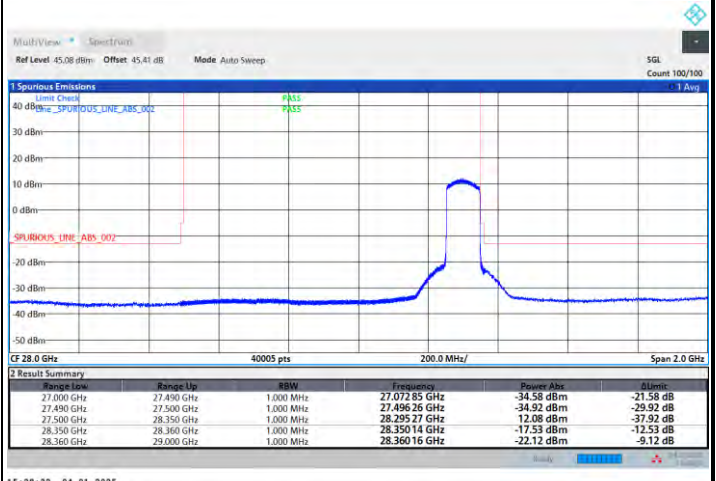
## NR Band n261 / 100MHz / QPSK

## Lowest Band Edge / Full RB



01:48:19 04.01.2025

## Highest Band Edge / Full RB



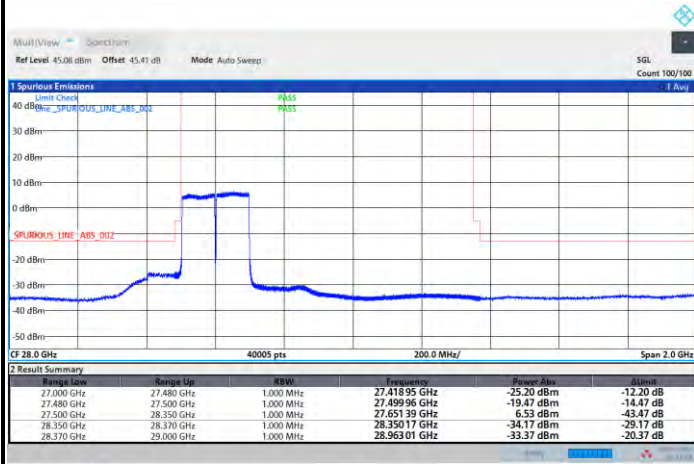
15:28:32 04.01.2025



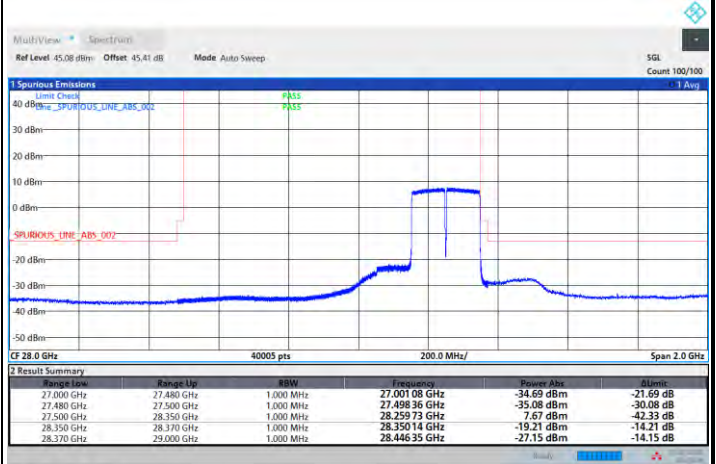
## CP-OFDM Module B

## NR Band n261 / 200MHz / QPSK

## Lowest Band Edge / Full RB

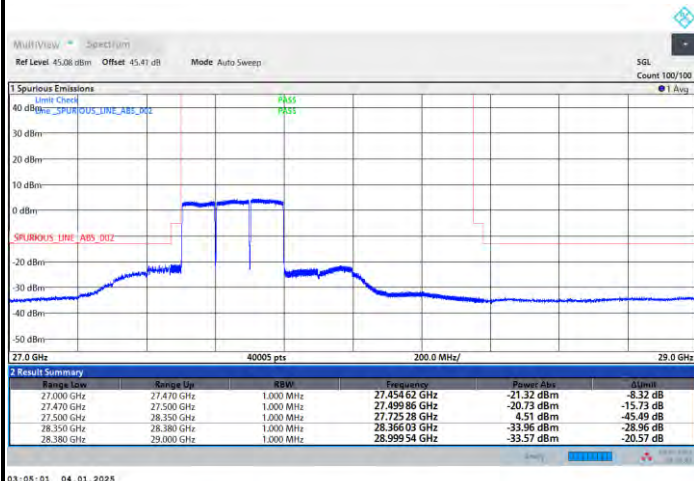


## Highest Band Edge / Full RB

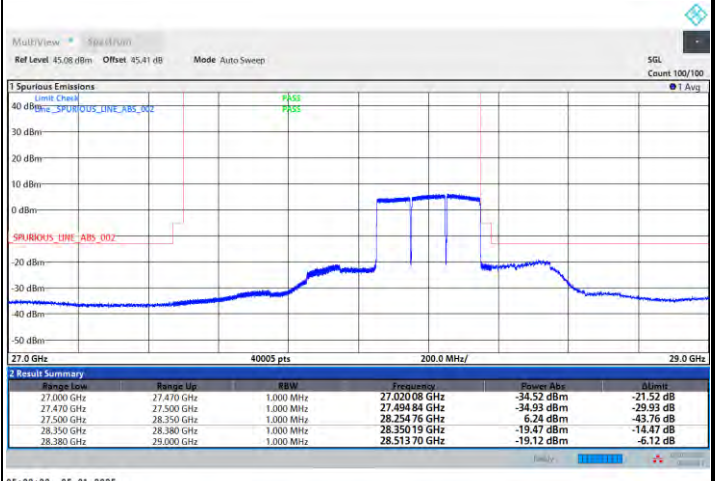


## NR Band n261 / 300MHz / QPSK

## Lowest Band Edge / Full RB



## Highest Band Edge / Full RB

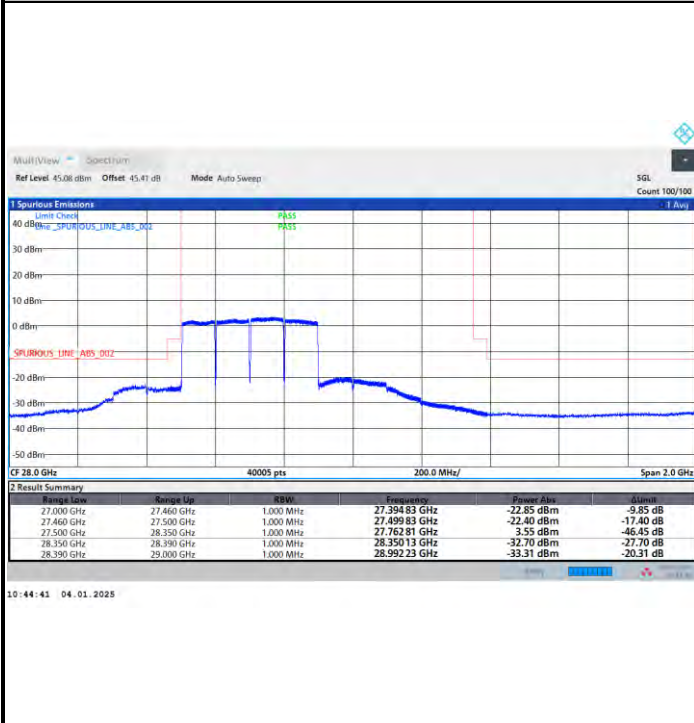




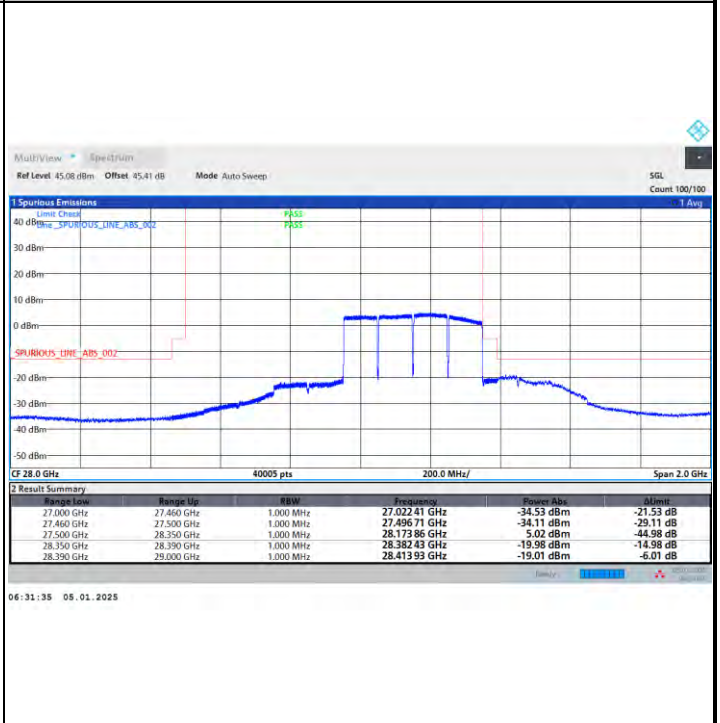
## CP-OFDM Module B

## NR Band n261 / 400MHz / QPSK

## Lowest Band Edge / Full RB



## Highest Band Edge / Full RB



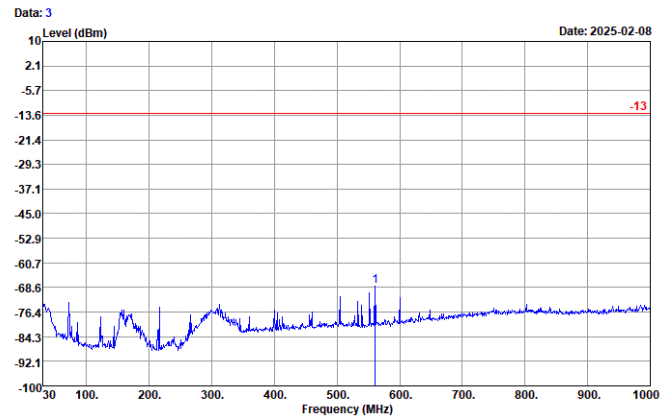
## Spurious Emission

There is no significant spurious emission signal found for frequency started from 30MHz up to 18GHz.

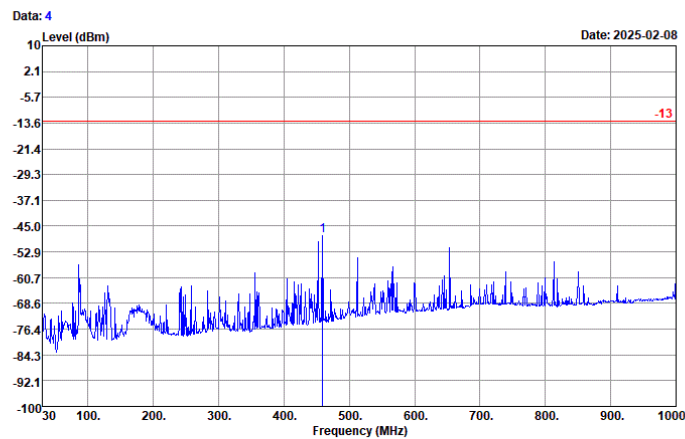
Only the noise floor is reported.

### NR Band n261 (30MHz-1GHz)

#### Horizontal



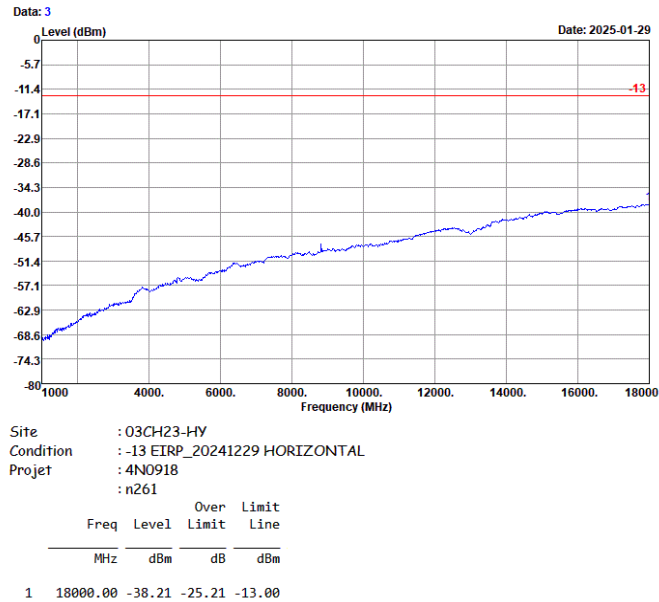
#### Vertical



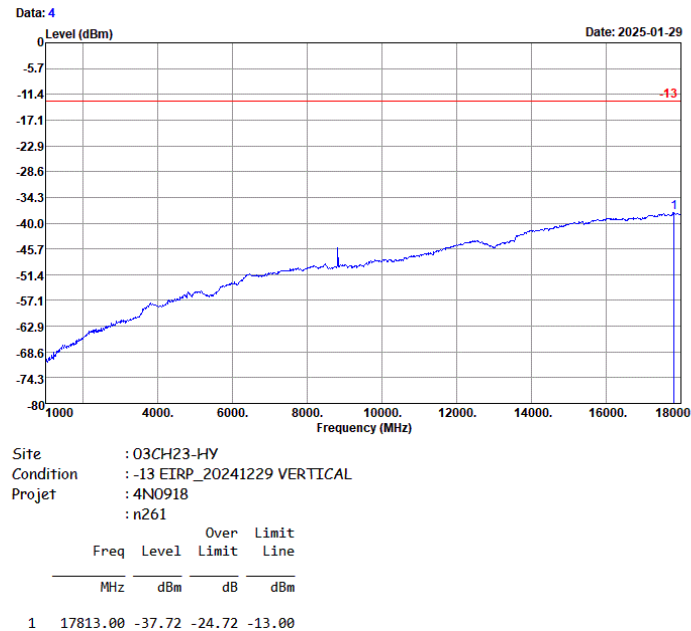


NR Band n261 (1GHz-18GHz)

Horizontal

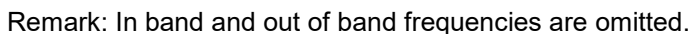


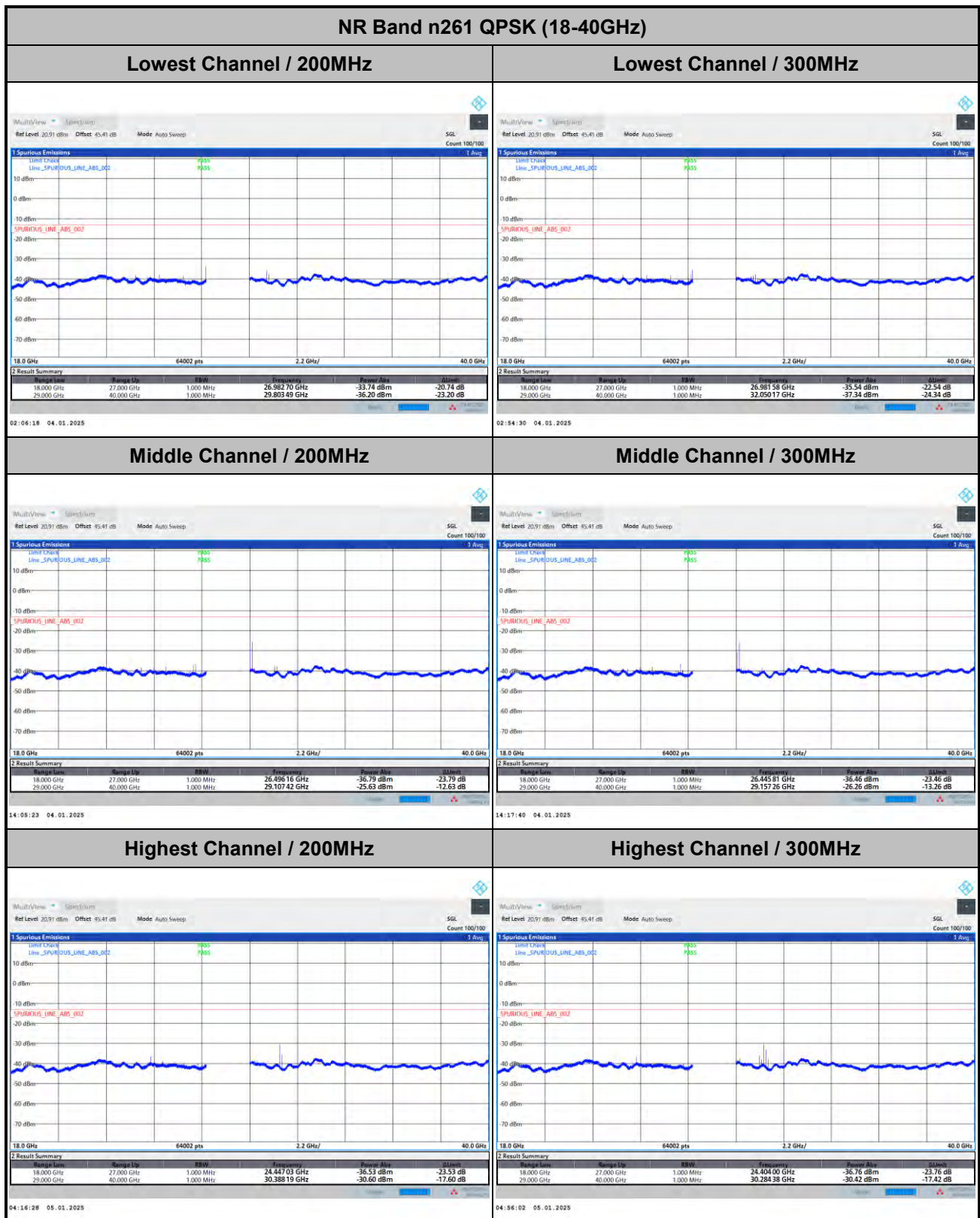
Vertical





## NR Band n261 QPSK (18-40GHz)





Remark: In band and out of band frequencies are omitted.



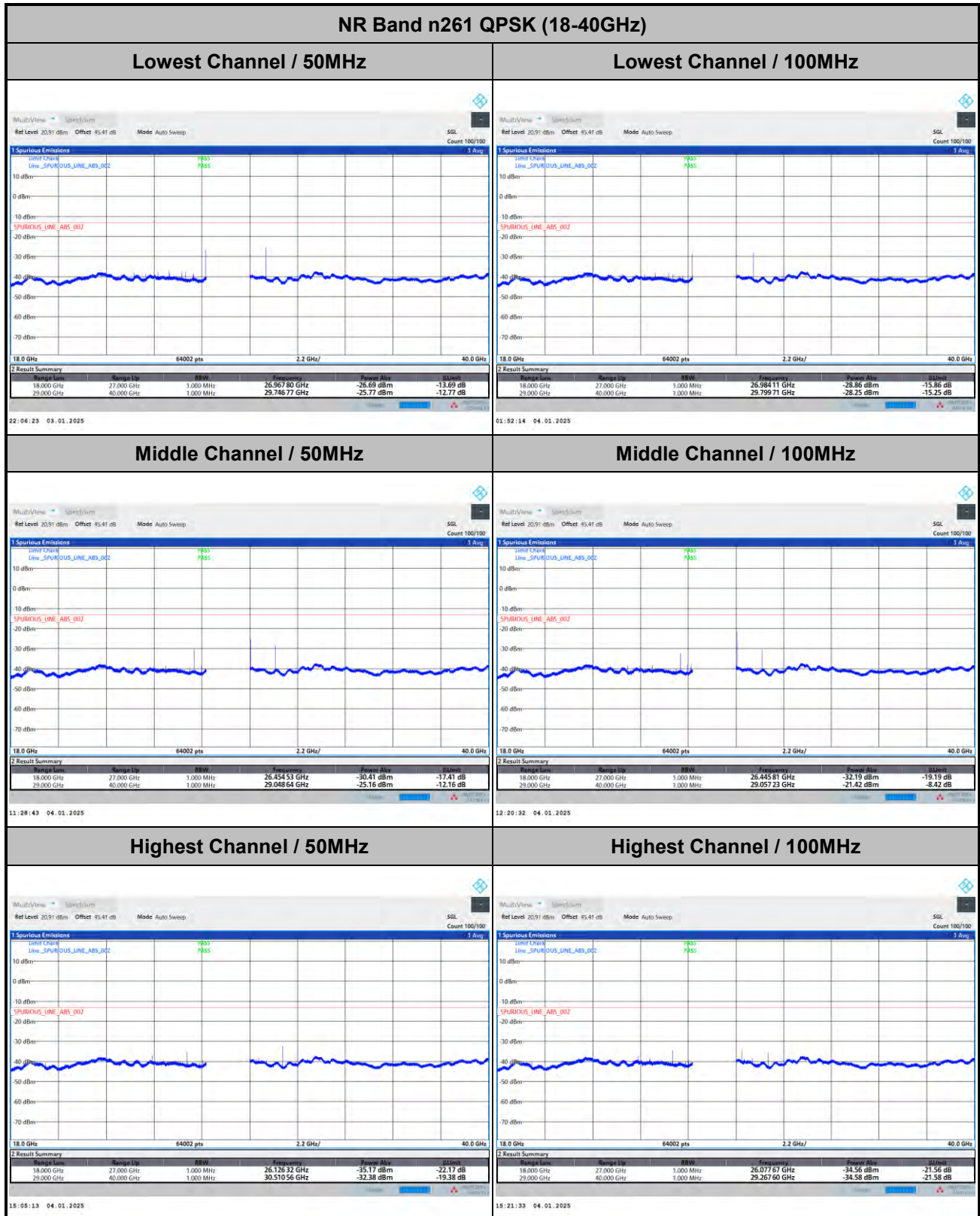
DFT-s-OFDM Module B

| NR Band n261 QPSK (18-40GHz)                                                                                                                          |  |
|-------------------------------------------------------------------------------------------------------------------------------------------------------|--|
| <p><b>Lowest Channel / 400MHz</b></p>  <p>intentionally blank</p>    |  |
| <p><b>Middle Channel / 400MHz</b></p>  <p>intentionally blank</p>   |  |
| <p><b>Highest Channel / 400MHz</b></p>  <p>intentionally blank</p> |  |

Remark: In band and out of band frequencies are omitted.



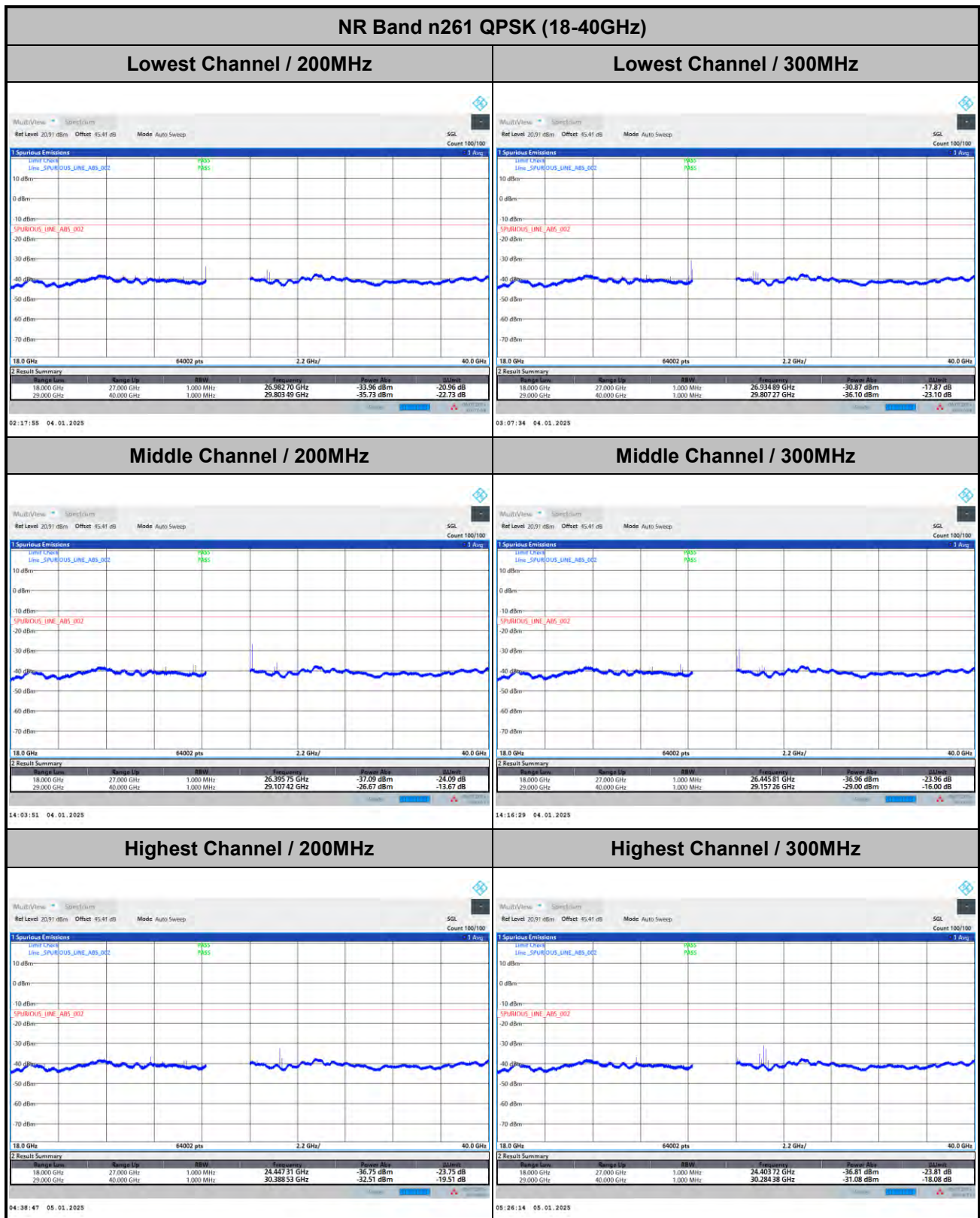
## CP-OFDM Module B



Remark: In band and out of band frequencies are omitted.



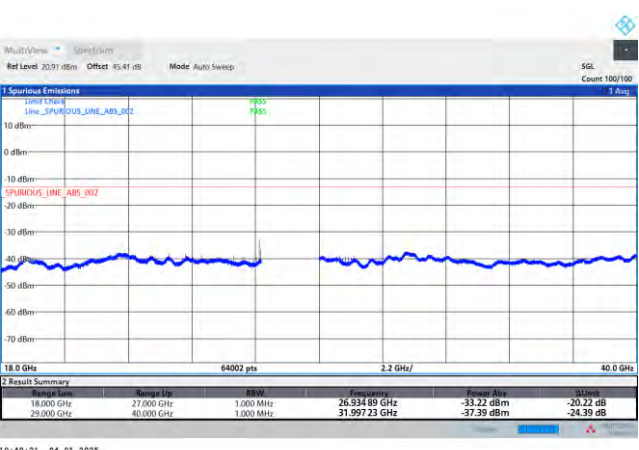
## CP-OFDM Module B



Remark: In band and out of band frequencies are omitted.

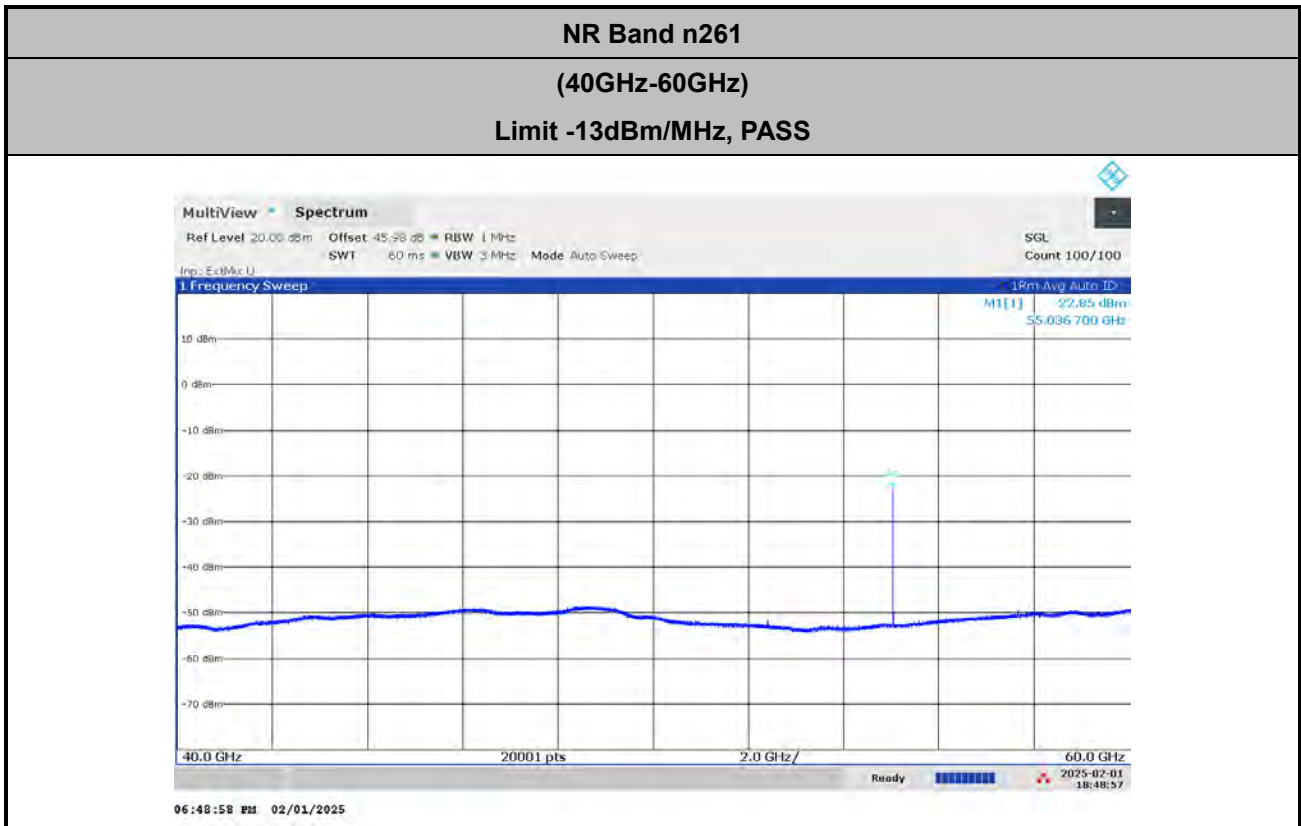


CP-OFDM Module B

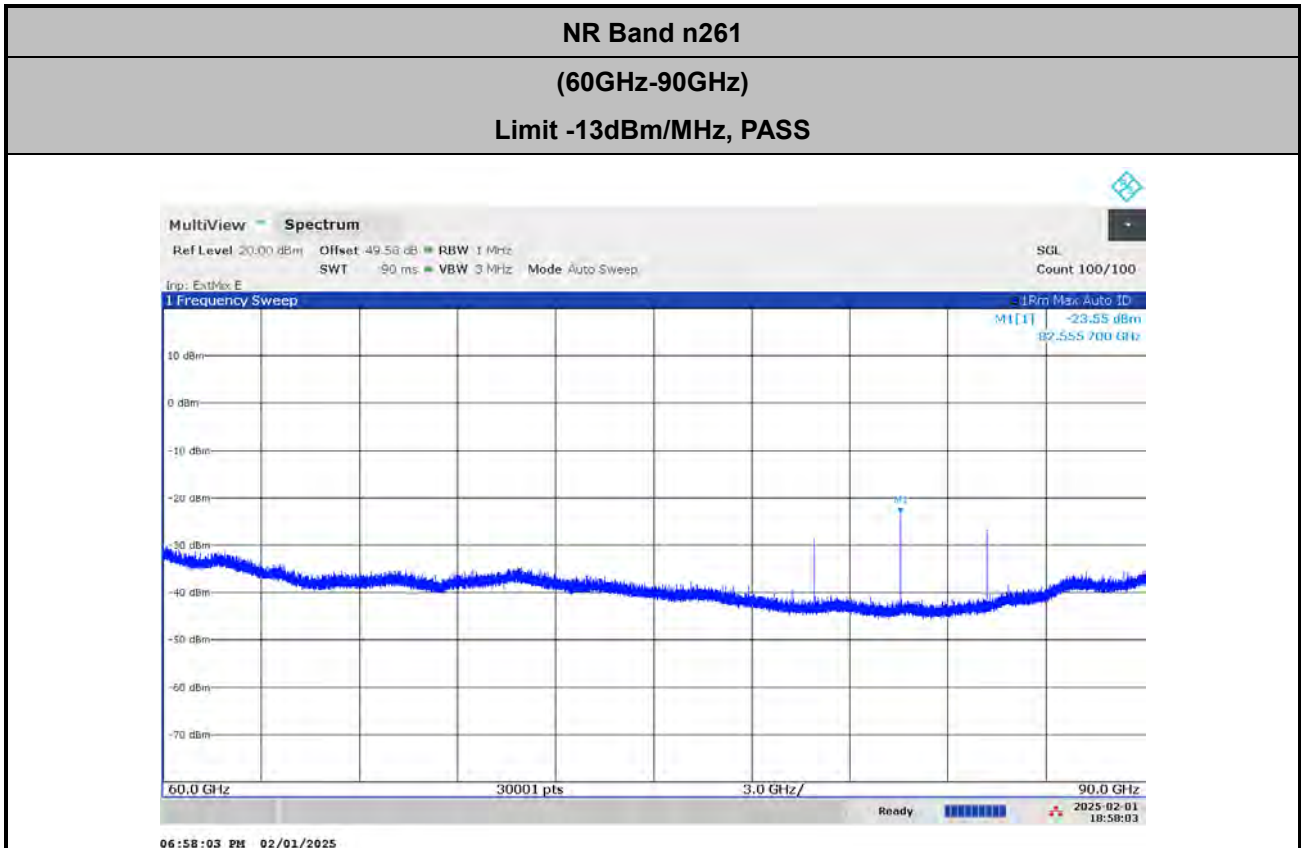
| NR Band n261 QPSK (18-40GHz)                                                                                                                          |  |
|-------------------------------------------------------------------------------------------------------------------------------------------------------|--|
| <p><b>Lowest Channel / 400MHz</b></p>  <p>intentionally blank</p>    |  |
| <p><b>Middle Channel / 400MHz</b></p>  <p>intentionally blank</p>   |  |
| <p><b>Highest Channel / 400MHz</b></p>  <p>intentionally blank</p> |  |

Remark: In band and out of band frequencies are omitted.

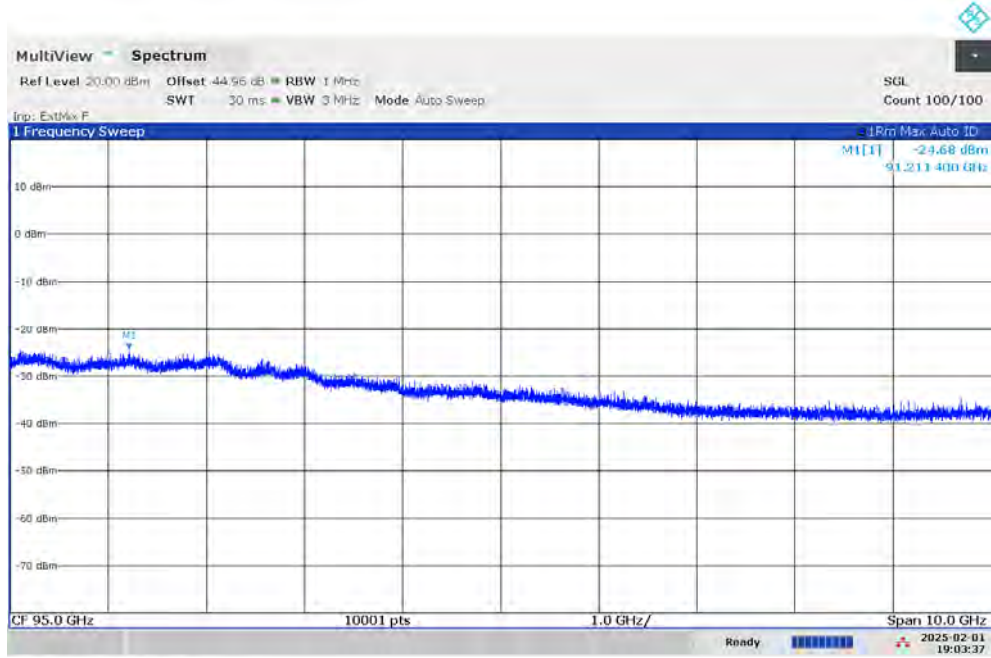
There is no significant spurious emission signal found for frequency started from 40GHz up to 200GHz.  
Only the noise floor is reported.



$$\begin{aligned} \text{Offset} &= \text{Antenna Factor (dB/m)} + \text{Cable Loss (dB)} + 107 + 20\log(D) - 104.8 \\ &= 42.6 + 1.18 + 107 + 20\log(1) - 104.8 = 45.98(\text{dB}) \end{aligned}$$



$$\begin{aligned} \text{Offset} &= \text{Antenna Factor (dB/m)} + \text{Cable Loss (dB)} + 107 + 20\log(D) - 104.8 \\ &= 46.2 + 1.18 + 107 + 20\log(1) - 104.8 = 49.58 \text{ (dB)} \end{aligned}$$

**NR Band n261**
**(90GHz-100GHz)**
**Limit -13dBm/MHz, PASS**


$$\begin{aligned} \text{Offset} &= \text{Antenna Factor (dB/m)} + \text{Cable Loss (dB)} + 107 + 20\log(D) - 104.8 \\ &= 47.6 + 1.18 + 107 + 20\log(0.5) - 104.8 = 44.96 \text{ (dB)} \end{aligned}$$

## Frequency Stability

| Test Conditions  |                   | NR Band n261 / Middle Channel |                 |                 | Limit   |
|------------------|-------------------|-------------------------------|-----------------|-----------------|---------|
| Temperature (°C) | Voltage (Volt)    | CW tone                       |                 |                 | Note 2. |
|                  |                   | Frequency (GHz)               | Deviation (kHz) | Deviation (ppm) | Result  |
| 50               | Normal Voltage    | 27.92495704                   | 83.916          | 3.005           | Pass    |
| 40               | Normal Voltage    | 27.92496903                   | 71.928          | 2.576           |         |
| 30               | Normal Voltage    | 27.925002                     | 38.961          | 1.395           |         |
| 20(Ref.)         | Normal Voltage    | 27.92504096                   | 0.000           | 0.000           |         |
| 10               | Normal Voltage    | 27.92507892                   | -37.962         | 1.359           |         |
| 0                | Normal Voltage    | 27.92511489                   | -73.926         | 2.647           |         |
| -10              | Normal Voltage    | 27.92511888                   | -77.922         | 2.790           |         |
| -20              | Normal Voltage    | 27.92507692                   | -35.964         | 1.288           |         |
| -30              | Normal Voltage    | 27.92499101                   | 49.950          | 1.789           |         |
| 20               | Maximum Voltage   | 27.92504899                   | -8.031          | 0.288           |         |
| 20               | Normal Voltage    | 27.92504496                   | -3.996          | 0.143           |         |
| 20               | Battery End Point | 27.92504795                   | -6.993          | 0.250           |         |

**Note:**

1. Normal Voltage = 3.9 V. ; Minimum Voltage = 3.6 V. ; Maximum Voltage = 4.5 V.
2. The frequency fundamental emissions stay within the operation band.



## **Appendix B. R&S Mixer and Horn Antenna Calibration Reports**