



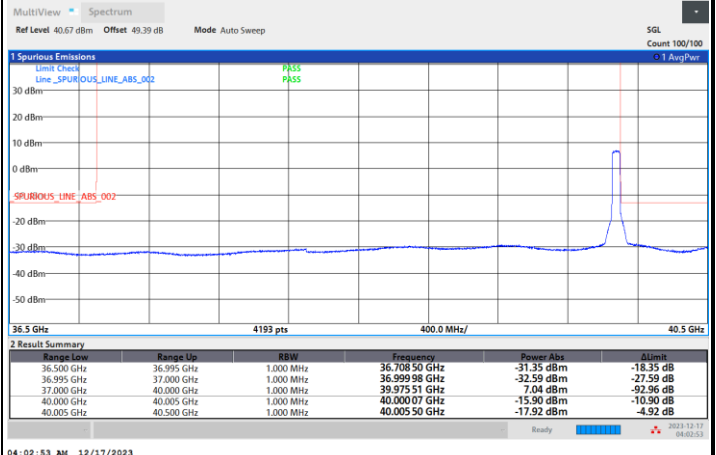
## CP-OFDM Module A

## NR Band n260 / 50MHz / QPSK

## Lowest Band Edge / Full RB

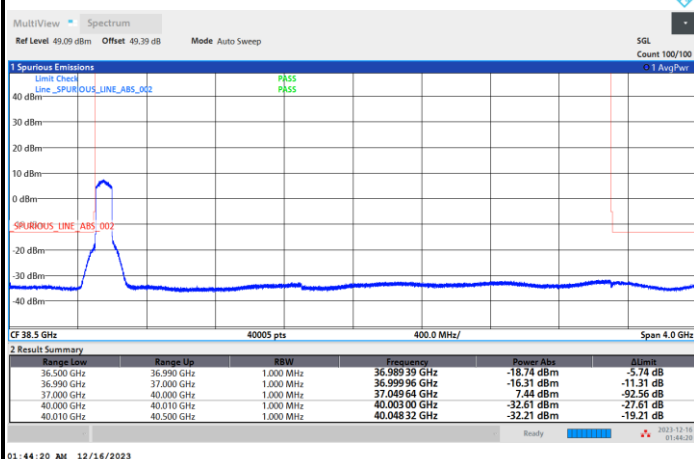


## Highest Band Edge / Full RB

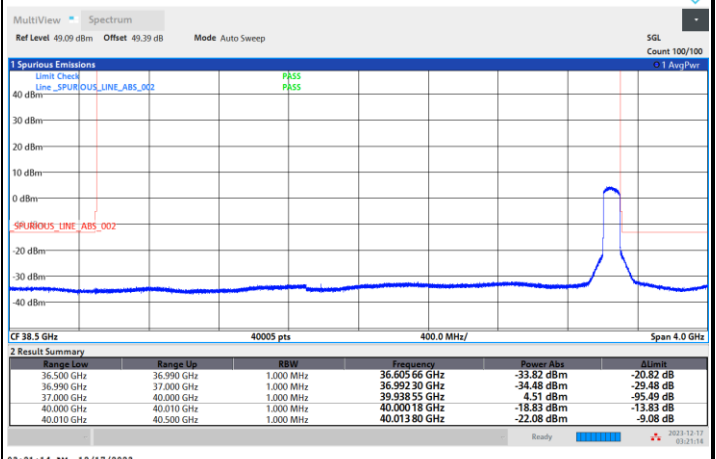


## NR Band n260 / 100MHz / QPSK

## Lowest Band Edge / Full RB



## Highest Band Edge / Full RB





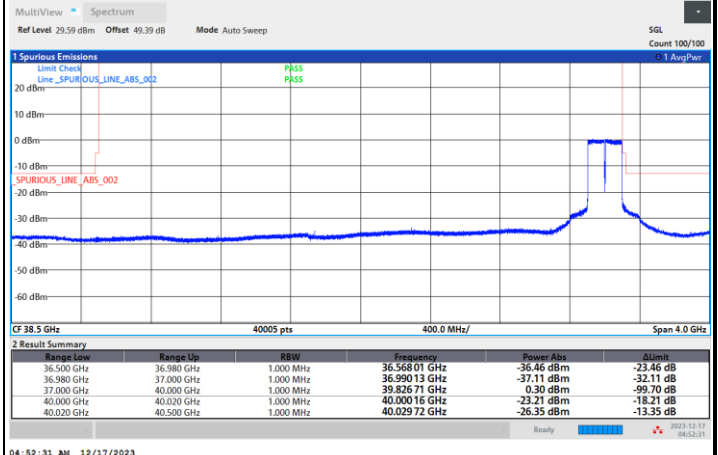
## CP-OFDM Module A

## NR Band n260 / 200MHz / QPSK

## Lowest Band Edge / Full RB



## Highest Band Edge / Full RB

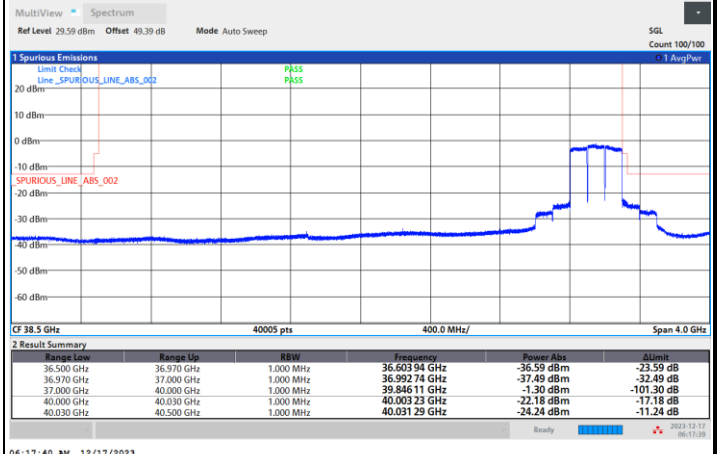


## NR Band n260 / 300MHz / QPSK

## Lowest Band Edge / Full RB



## Highest Band Edge / Full RB



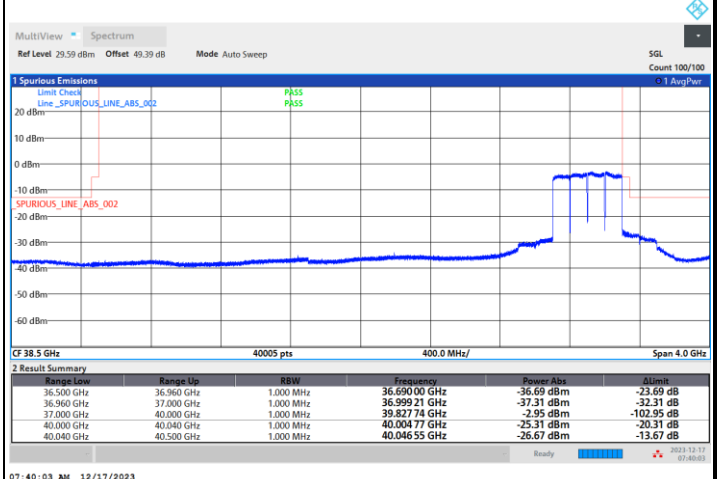
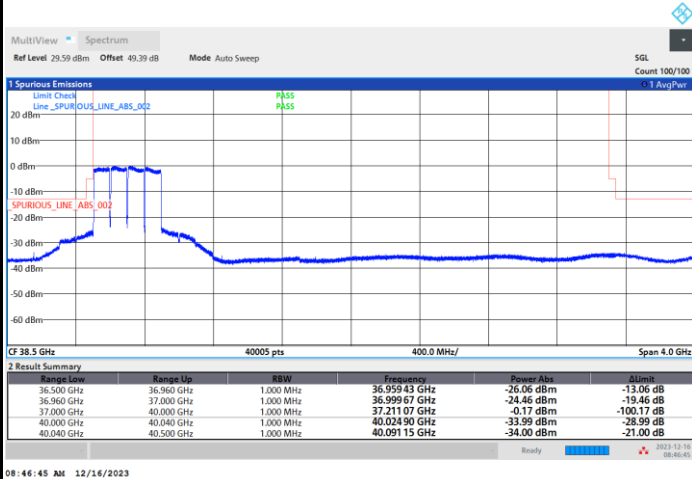


## CP-OFDM Module A

## NR Band n260 / 400MHz / QPSK

## Lowest Band Edge / Full RB

## Highest Band Edge / Full RB





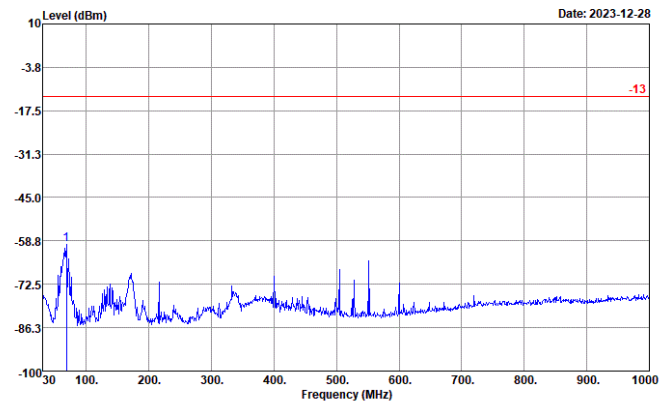
## Spurious Emission

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)

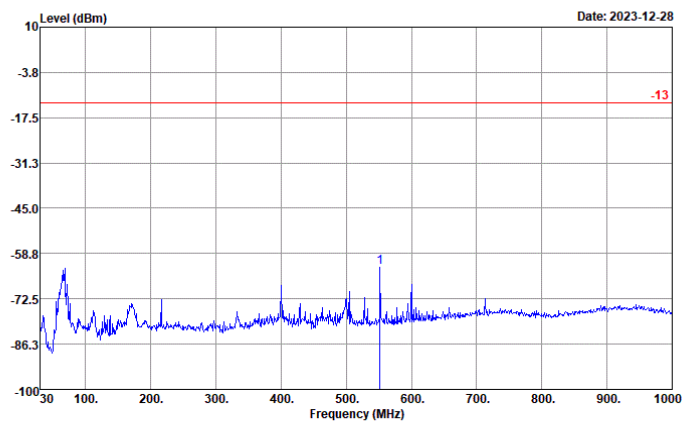
#### Horizontal



Site : 03CH10-HY  
Condition : -13 EIRP\_WO HORIZONTAL  
Project : 3N2327  
          : n260 MA

| Freq | Level | Over   | Limit         |
|------|-------|--------|---------------|
| MHz  | dBm   | dB     | dBm           |
| 1    | 67.83 | -59.75 | -46.75 -13.00 |

#### Vertical



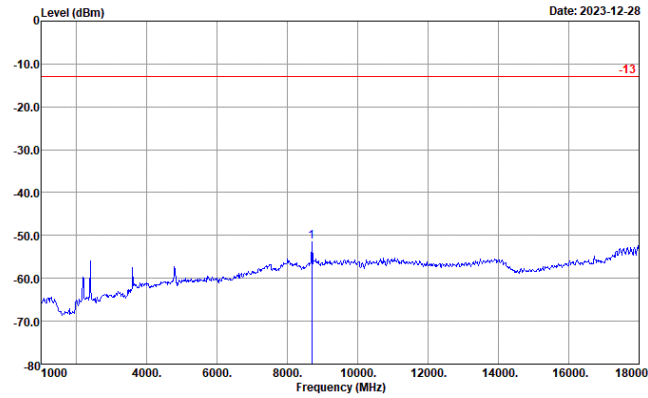
Site : 03CH10-HY  
Condition : -13 EIRP\_WO VERTICAL  
Project : 3N2327  
          : n260 MA

| Freq | Level  | Over   | Limit         |
|------|--------|--------|---------------|
| MHz  | dBm    | dB     | dBm           |
| 1    | 551.86 | -62.90 | -49.90 -13.00 |



NR Band n260 (1GHz-18GHz)

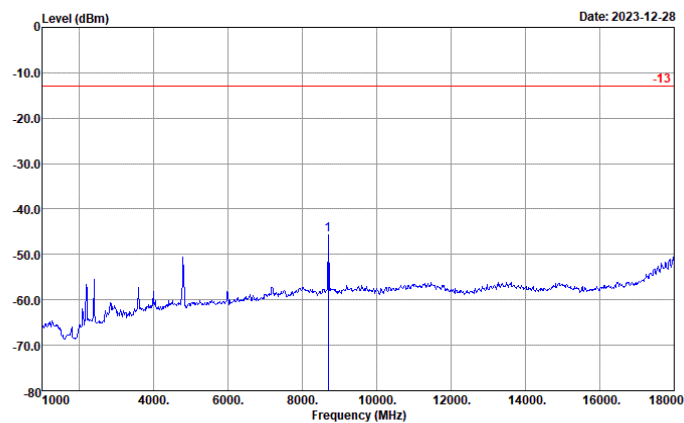
Horizontal



Site : 03CH10-HY  
Condition : -13 EIRP\_WO HORIZONTAL  
Project : 3N2327  
: n260 MA

| Freq | Level   | Over   | Limit         |
|------|---------|--------|---------------|
| MHz  | dBm     | dB     | dBm           |
| 1    | 8701.00 | -51.49 | -38.49 -13.00 |

Vertical



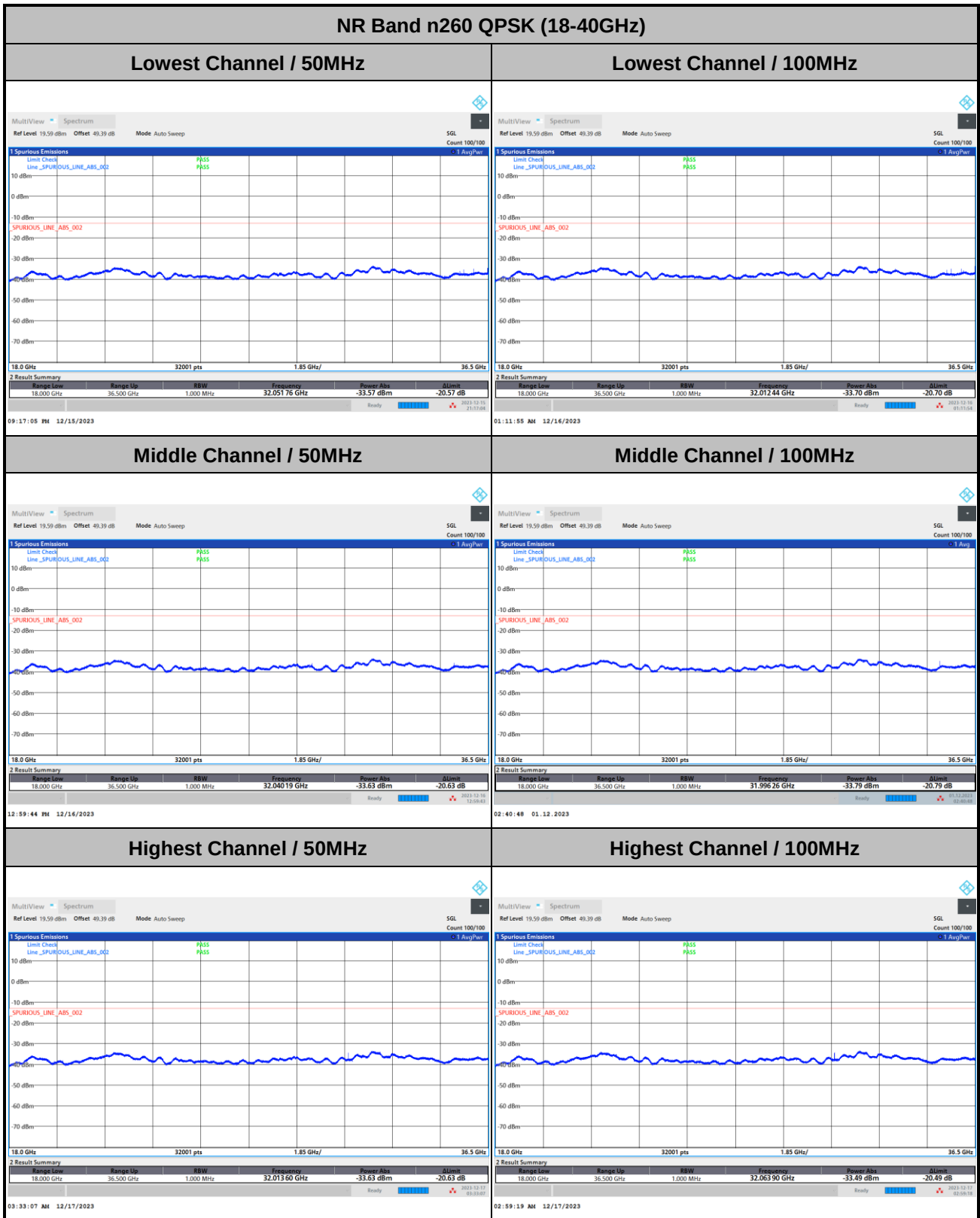
Site : 03CH10-HY  
Condition : -13 EIRP\_WO VERTICAL  
Project : 3N2327  
: n260 MA

| Freq | Level   | Over   | Limit         |
|------|---------|--------|---------------|
| MHz  | dBm     | dB     | dBm           |
| 1    | 8701.00 | -45.66 | -32.66 -13.00 |



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

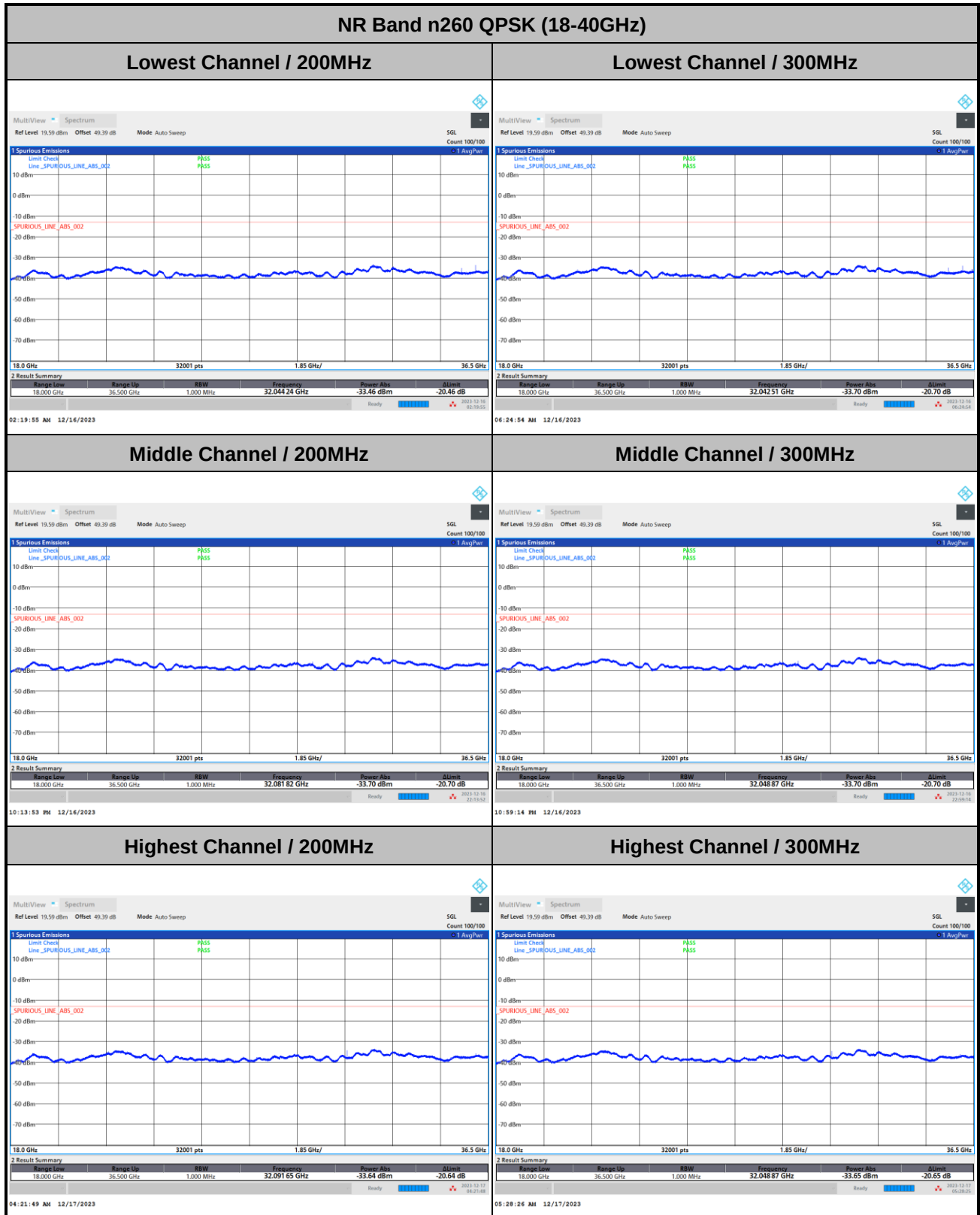
### DFT-s-OFDM Module A



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



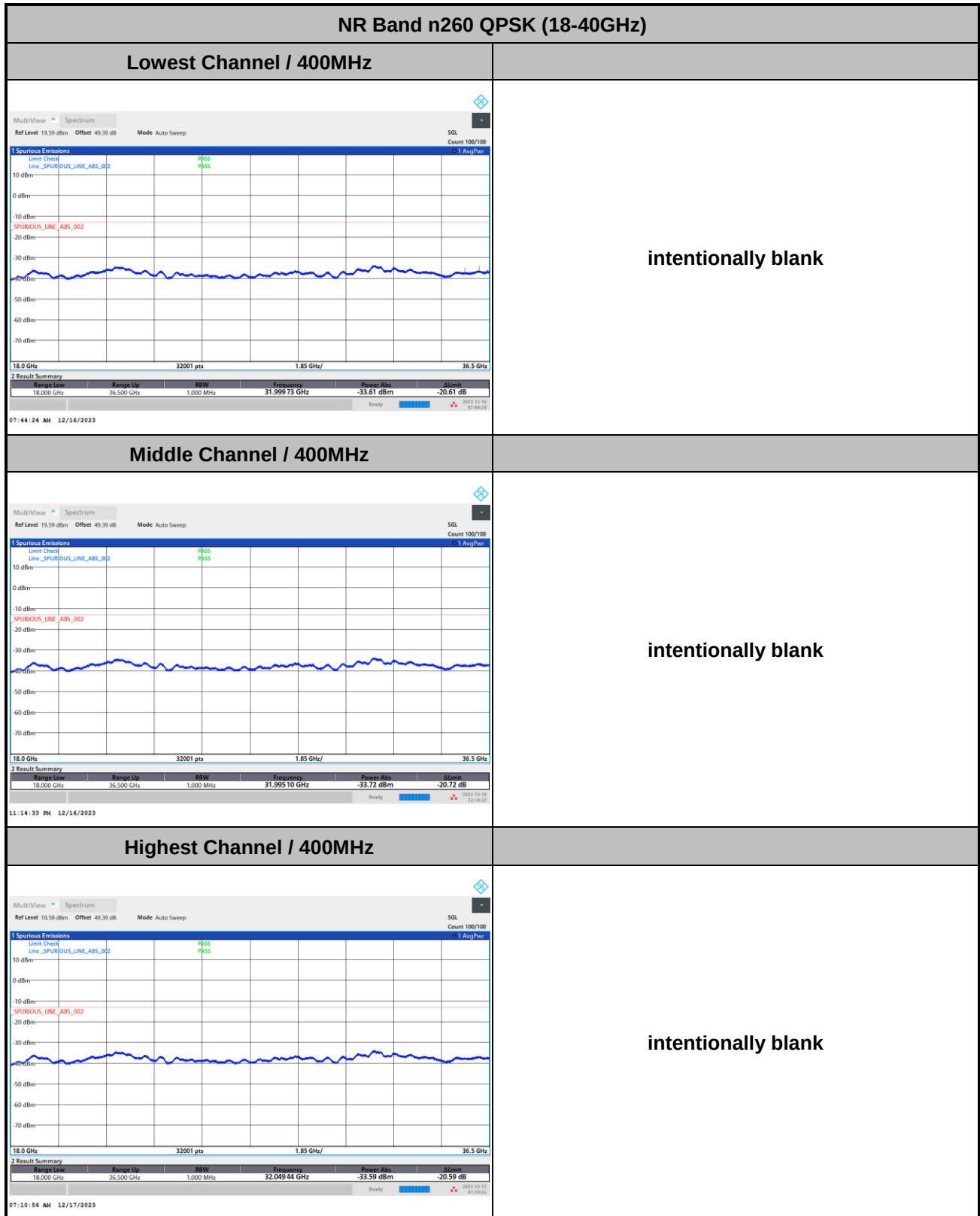
## DFT-s-OFDM Module A



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



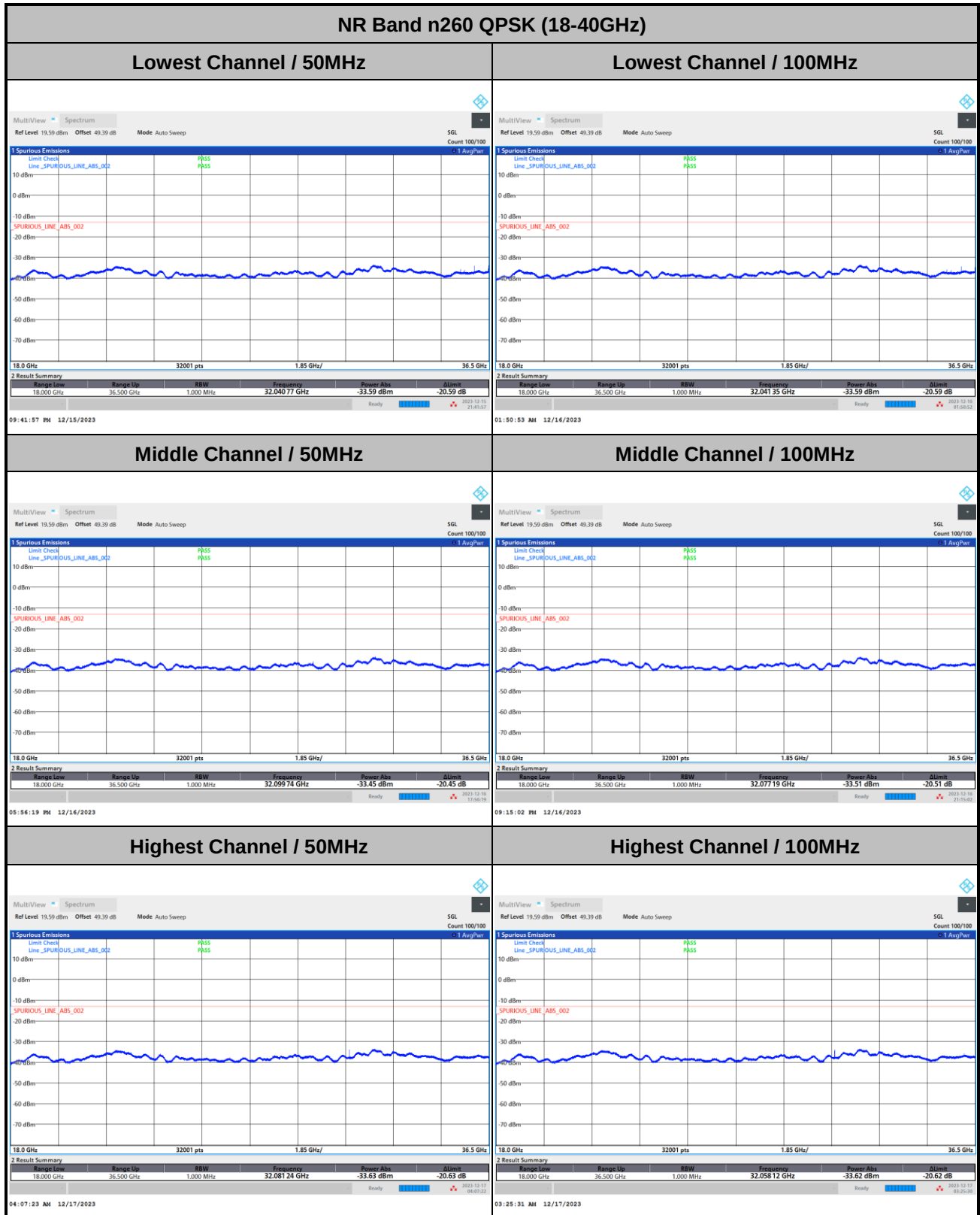
## DFT-s-OFDM Module A



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



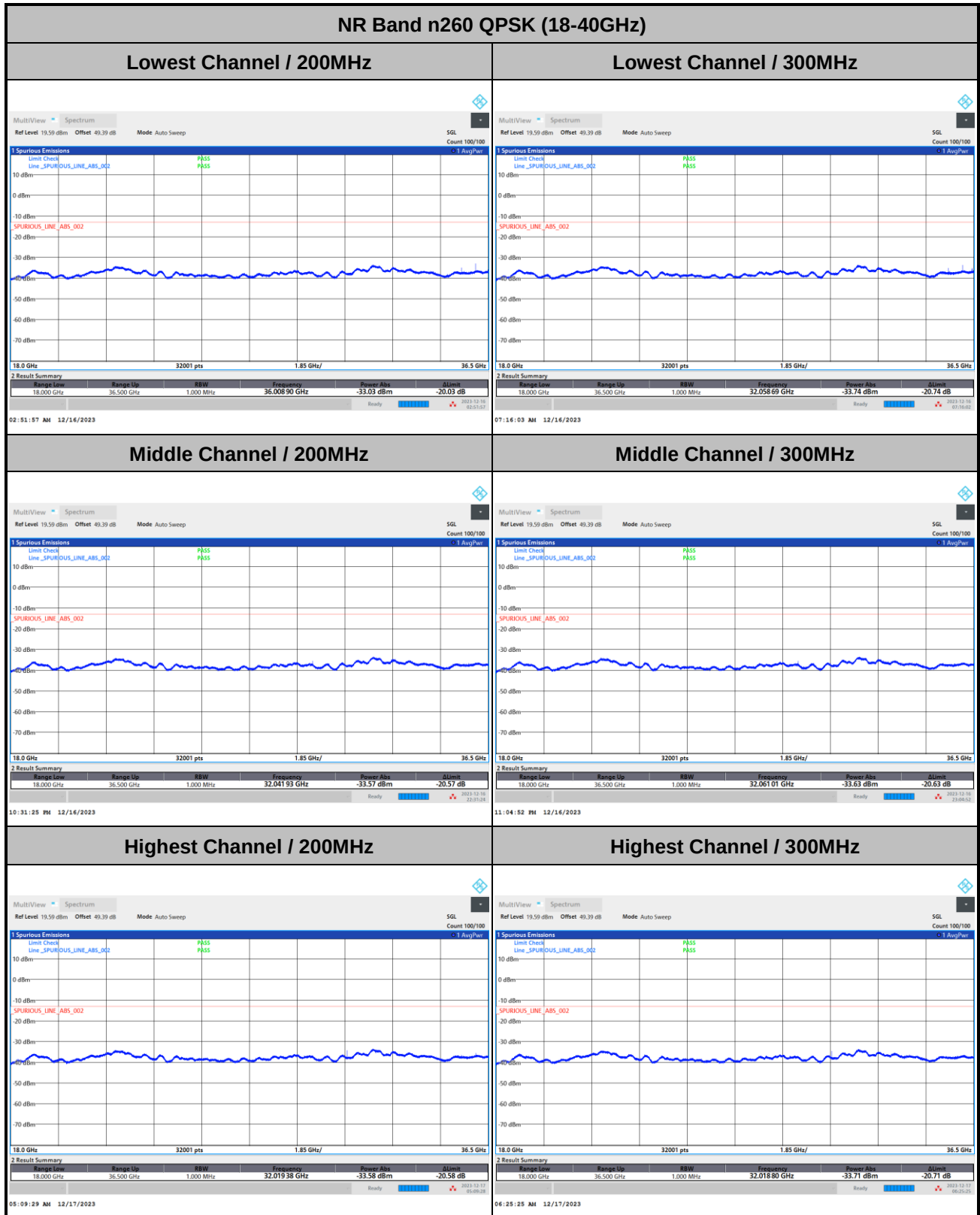
## CP-OFDM Module A



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



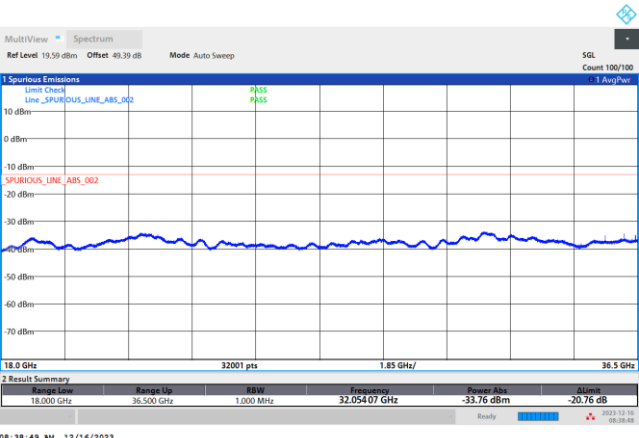
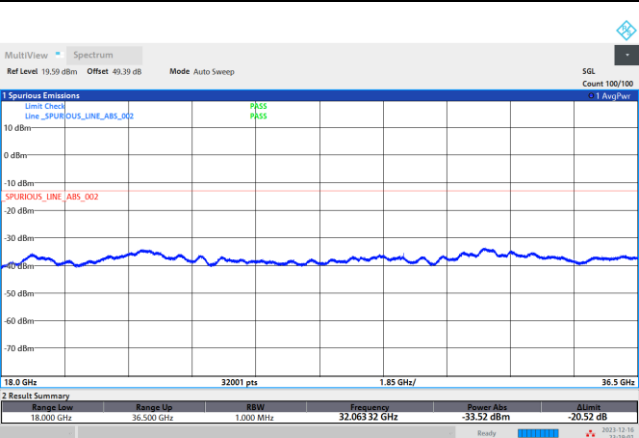
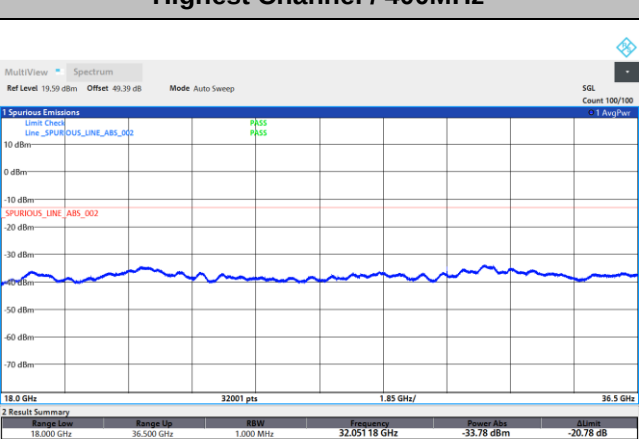
## CP-OFDM Module A



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

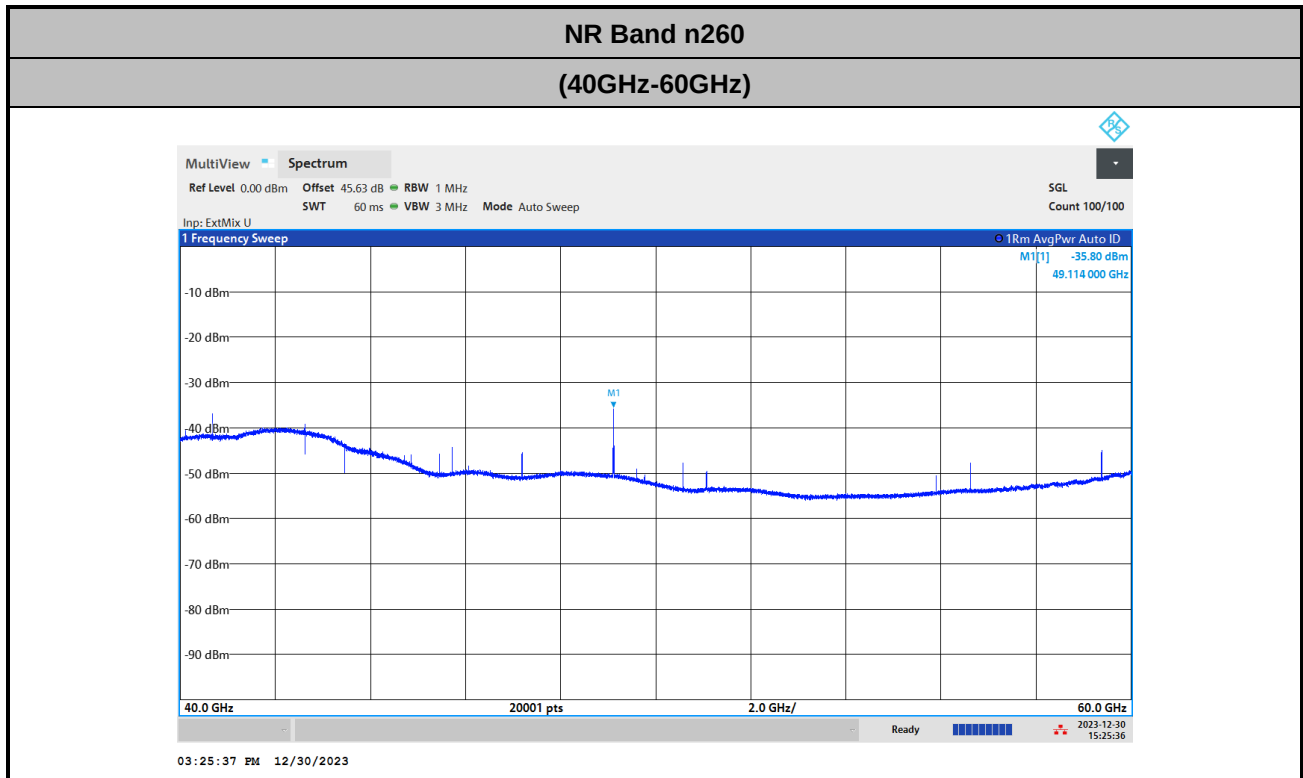


CP-OFDM Module A

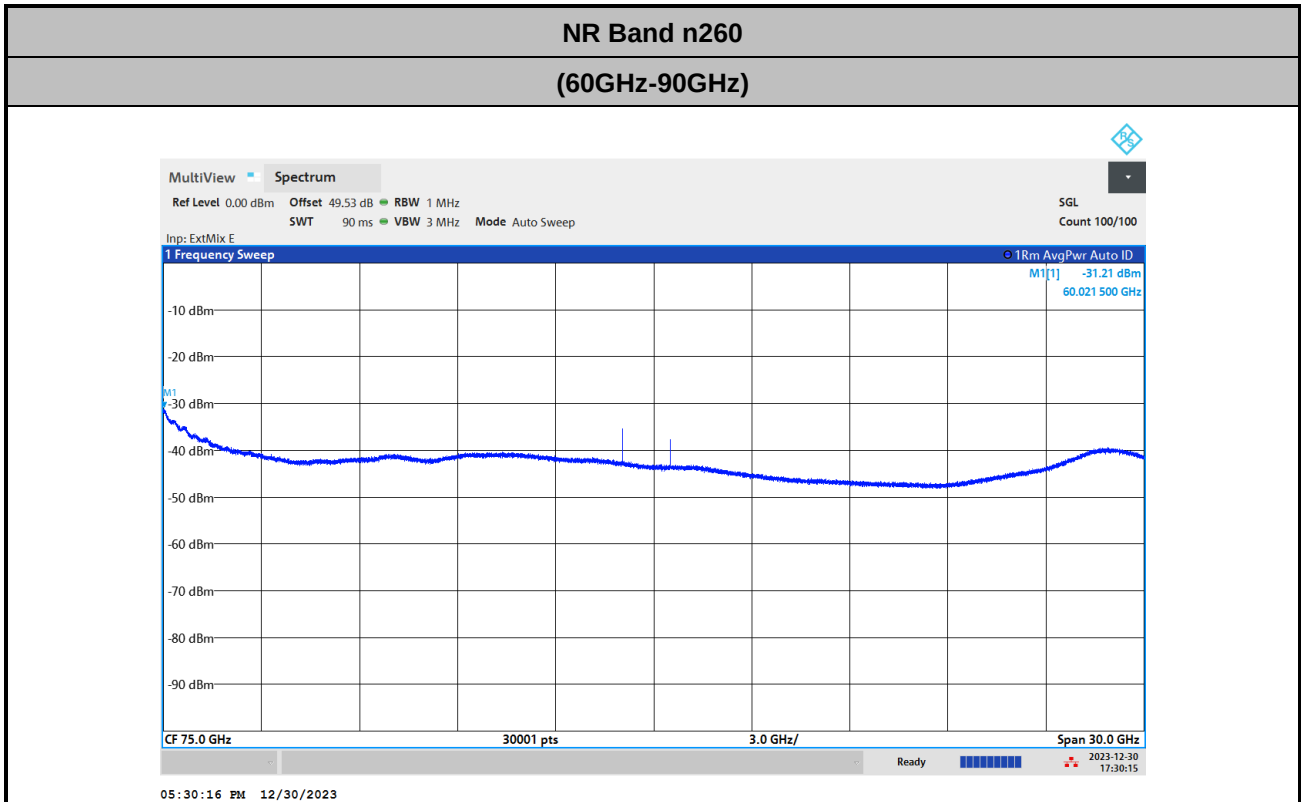
| NR Band n260 QPSK (18-40GHz)                                                        |                     |
|-------------------------------------------------------------------------------------|---------------------|
| Lowest Channel / 400MHz                                                       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

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.

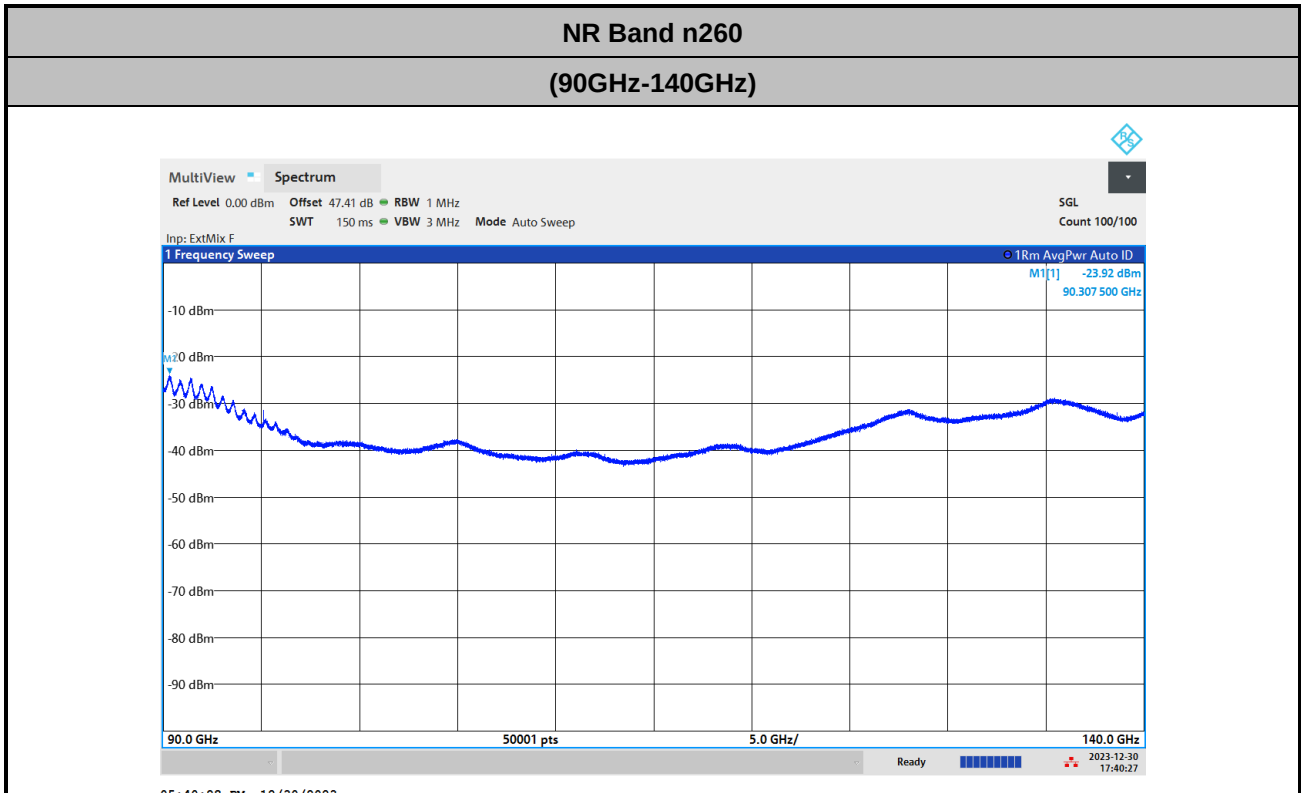


$$\begin{aligned} \text{Offset} &= \text{Antenna Factor (dB/m)} + \text{Cable Loss (dB)} + 107 + 20\log(D) - 104.8 \\ &= 43 + 0.43 + 107 + 20\log(1) - 104.8 = 45.63(\text{dB}) \end{aligned}$$

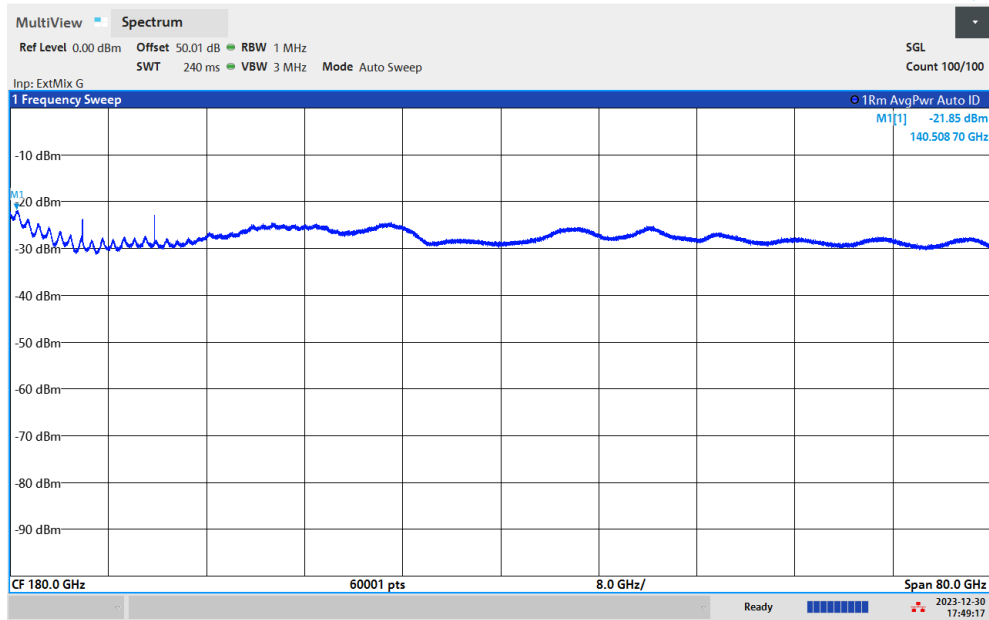


$$\text{Offset} = \text{Antenna Factor (dB/m)} + \text{Cable Loss (dB)} + 107 + 20\log(D) - 104.8$$

$$= 46.9 + 0.43 + 107 + 20\log(1) - 104.8 = 49.53 \text{ (dB)}$$



$$\begin{aligned} \text{Offset} &= \text{Antenna Factor (dB/m)} + \text{Cable Loss (dB)} + 107 + 20\log(D) - 104.8 \\ &= 50.80 + 0.43 + 107 + 20\log(0.5) - 104.8 = 47.41 \text{ (dB)} \end{aligned}$$

**NR Band n260**
**(140GHz-200GHz)**


$$\begin{aligned} \text{Offset} &= \text{Antenna Factor (dB/m)} + \text{Cable Loss (dB)} + 107 + 20\log(D) - 104.8 \\ &= 53.4 + 0.43 + 107 + 20\log(0.5) - 104.8 = 50.01(\text{dB}) \end{aligned}$$

## 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    | 38.4997443                    | 197.800         | 5.138           | Pass    |
| 40               | Normal Voltage    | 38.4998501                    | 92.000          | 2.390           |         |
| 30               | Normal Voltage    | 38.4999001                    | 42.000          | 1.091           |         |
| 20(Ref.)         | Normal Voltage    | 38.4999421                    | 0.000           | 0.000           |         |
| 10               | Normal Voltage    | 38.500042                     | -99.900         | 2.595           |         |
| 0                | Normal Voltage    | 38.50005                      | -107.900        | 2.803           |         |
| -10              | Normal Voltage    | 38.5000559                    | -113.800        | 2.956           |         |
| -20              | Normal Voltage    | 38.5000639                    | -121.800        | 3.164           |         |
| -30              | Normal Voltage    | 38.5000714                    | -129.300        | 3.358           |         |
| 20               | Maximum Voltage   | 38.499956                     | -13.900         | 0.361           |         |
| 20               | Normal Voltage    | 38.4999481                    | -6.000          | 0.156           |         |
| 20               | Battery End Point | 38.4999401                    | 2.000           | 0.052           |         |

**Note:**

1. Normal Voltage = 3.89 V. ; Battery End Point (BEP) = 3.6 V. ; Maximum Voltage = 4.4 V.
2. The frequency fundamental emissions stay within the operation band.

## NR Band n260 Module B AGH+V

### Occupied Bandwidth

| Mode       | DFT-s-OFDM Module B NR Band n260 : 99%OBW(MHz) |       |       |        |       |       |        |        |        |
|------------|------------------------------------------------|-------|-------|--------|-------|-------|--------|--------|--------|
| BW         | 50MHz                                          |       |       | 100MHz |       |       | 200MHz |        |        |
| Mod.       | QPSK                                           | 16QAM | 64QAM | QPSK   | 16QAM | 64QAM | QPSK   | 16QAM  | 64QAM  |
| Lowest CH  | 45.93                                          | 45.98 | 45.76 | 91.18  | 91.11 | 91.23 | 190.75 | 190.21 | 190.63 |
| Middle CH  | 45.92                                          | 46.25 | 45.88 | 90.95  | 91.09 | 91.20 | 190.39 | 190.91 | 190.82 |
| Highest CH | 46.12                                          | 46.01 | 45.90 | 91.50  | 91.27 | 91.25 | 190.99 | 191.08 | 190.91 |

| Mode       | DFT-s-OFDM Module B NR Band n260 : 99%OBW(MHz) |        |        |        |        |        |
|------------|------------------------------------------------|--------|--------|--------|--------|--------|
| BW         | 300MHz                                         |        |        | 400MHz |        |        |
| Mod.       | QPSK                                           | 16QAM  | 64QAM  | QPSK   | 16QAM  | 64QAM  |
| Lowest CH  | 290.45                                         | 289.93 | 289.87 | 389.58 | 388.43 | 388.62 |
| Middle CH  | 290.55                                         | 290.40 | 290.44 | 389.35 | 389.96 | 389.29 |
| Highest CH | 291.21                                         | 291.08 | 290.37 | 389.83 | 390.36 | 392.38 |

| Mode       | CP-OFDM Module B NR Band n260 : 99%OBW(MHz) |        |        |
|------------|---------------------------------------------|--------|--------|
| BW         | 50MHz                                       | 100MHz | 200MHz |
| Mod.       | QPSK                                        | QPSK   | QPSK   |
| Lowest CH  | 45.98                                       | 93.88  | 193.57 |
| Middle CH  | 46.06                                       | 93.91  | 193.71 |
| Highest CH | 46.35                                       | 94.22  | 194.22 |

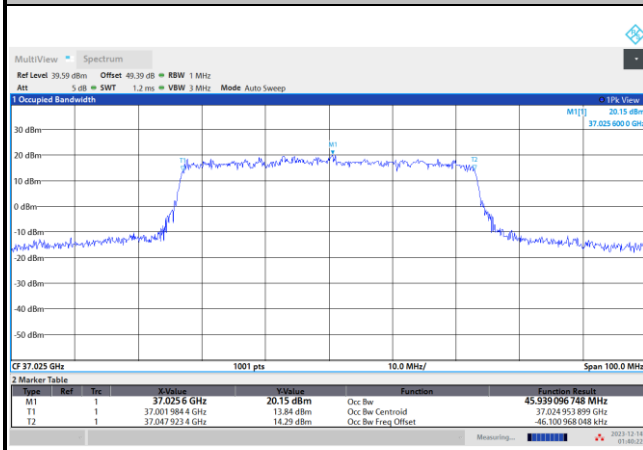
| Mode       | CP-OFDM Module B NR Band n260 : 99%OBW(MHz) |        |
|------------|---------------------------------------------|--------|
| BW         | 300MHz                                      | 400MHz |
| Mod.       | QPSK                                        | QPSK   |
| Lowest CH  | 295.22                                      | 392.69 |
| Middle CH  | 293.85                                      | 392.68 |
| Highest CH | 296.97                                      | 393.86 |



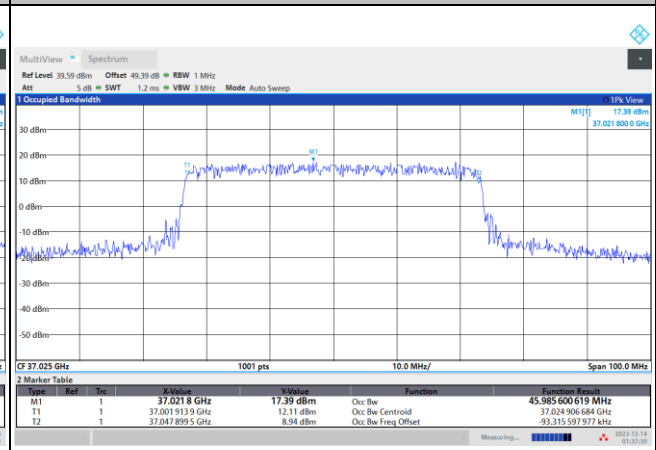
## DFT-s-OFDM Module B

## NR Band n260

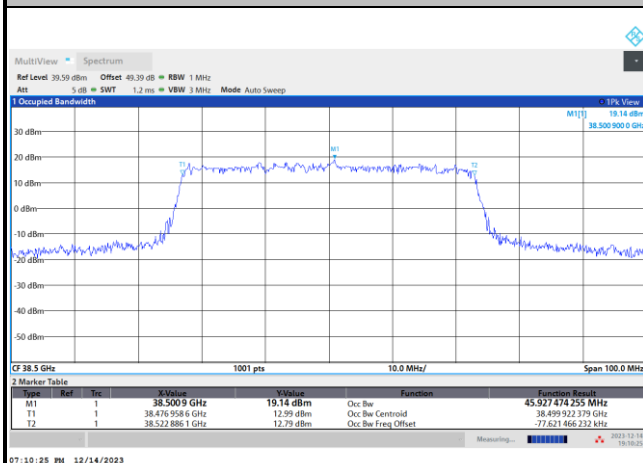
## Lowest Channel / 50MHz / QPSK



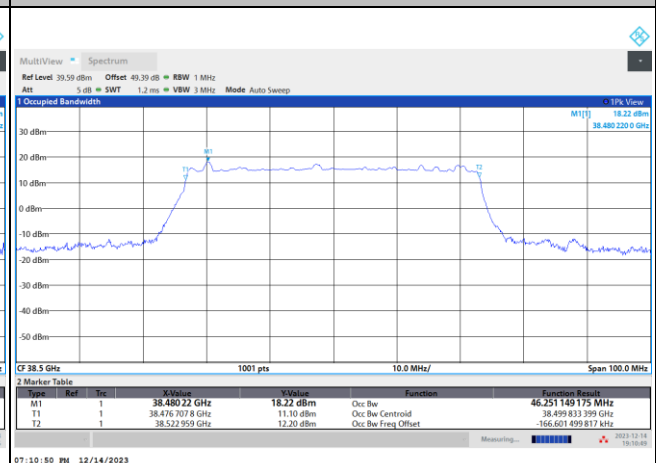
## Lowest Channel / 50MHz / 16QAM



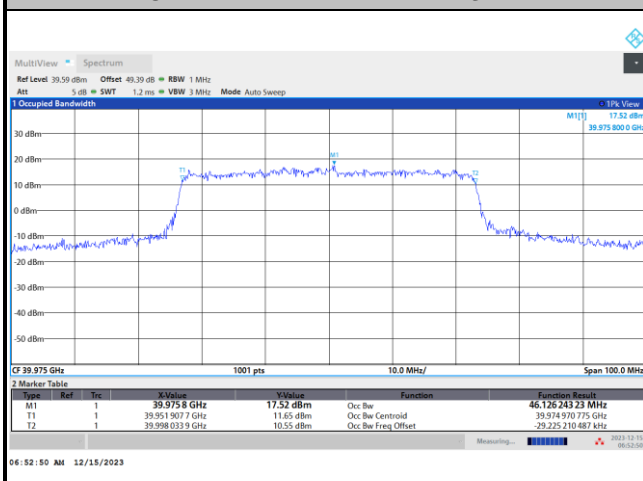
## Middle Channel / 50MHz / QPSK



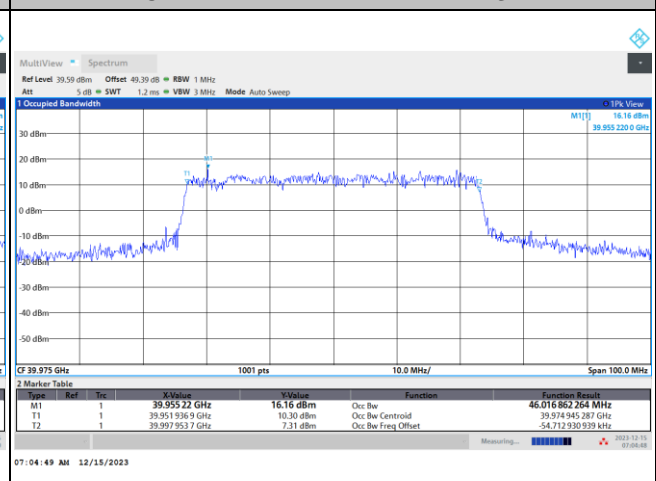
## Middle Channel / 50MHz / 16QAM



## Highest Channel / 50MHz / QPSK



## Highest Channel / 50MHz / 16QAM

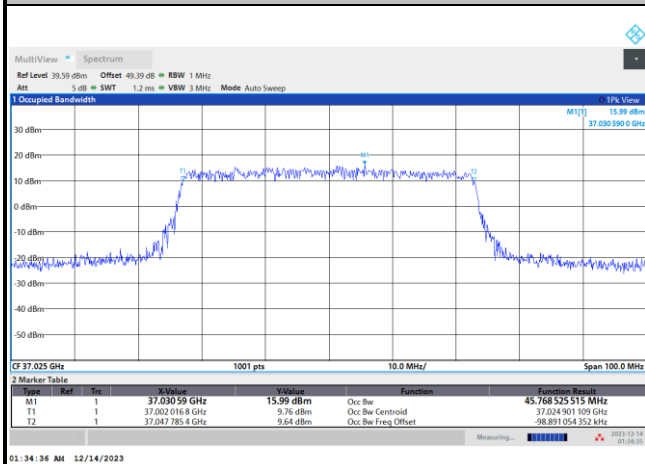




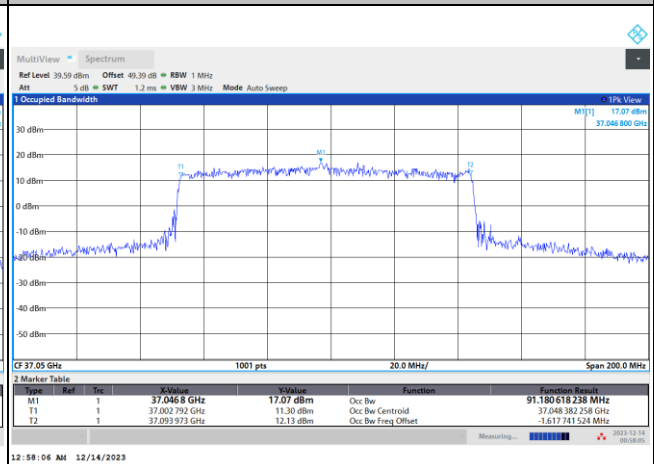
## DFT-s-OFDM Module B

## NR Band n260

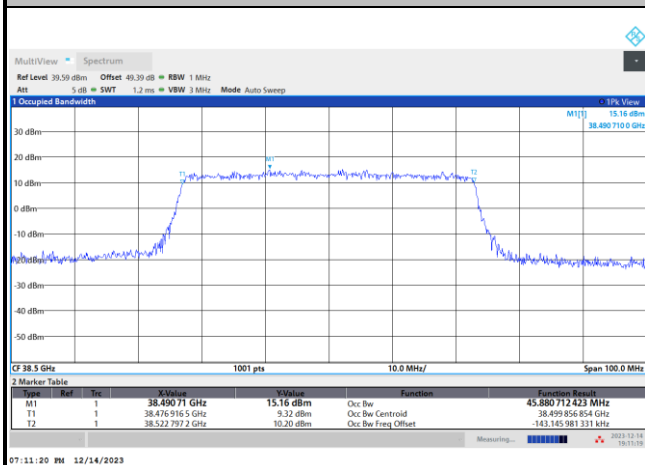
## Lowest Channel / 50MHz / 64QAM



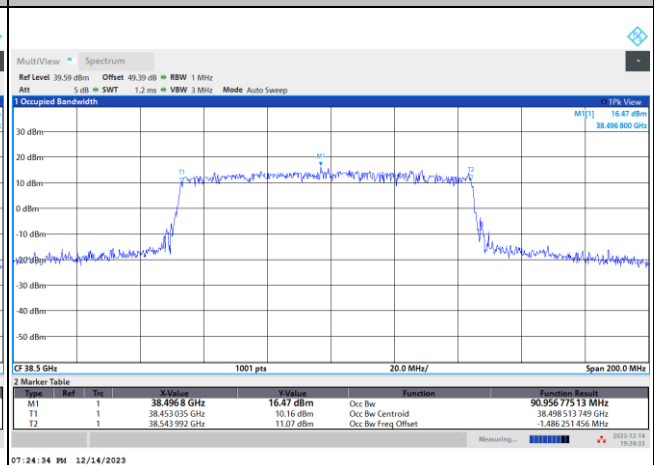
## Lowest Channel / 100MHz / QPSK



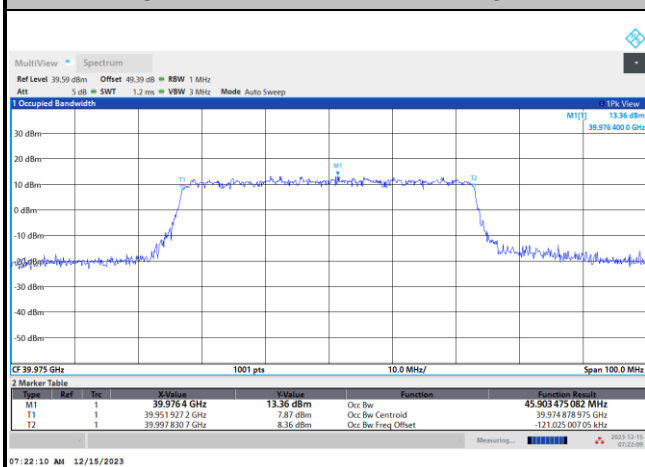
## Middle Channel / 50MHz / 64QAM



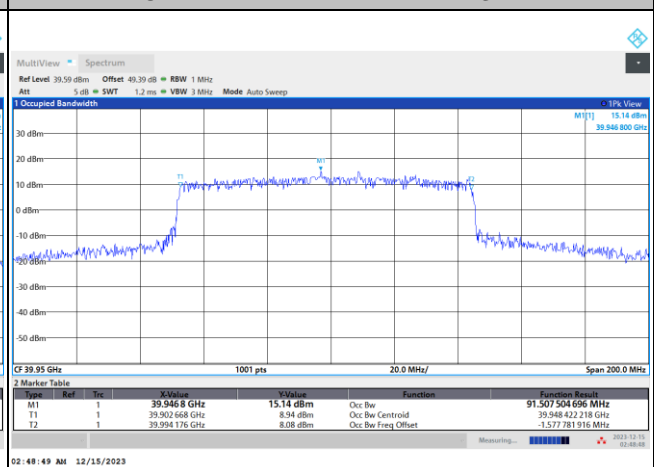
## Middle Channel / 100MHz / QPSK



## Highest Channel / 50MHz / 64QAM



## Highest Channel / 100MHz / QPSK

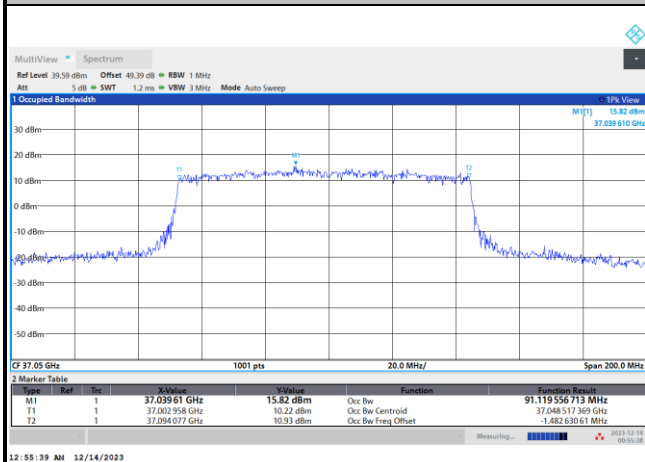




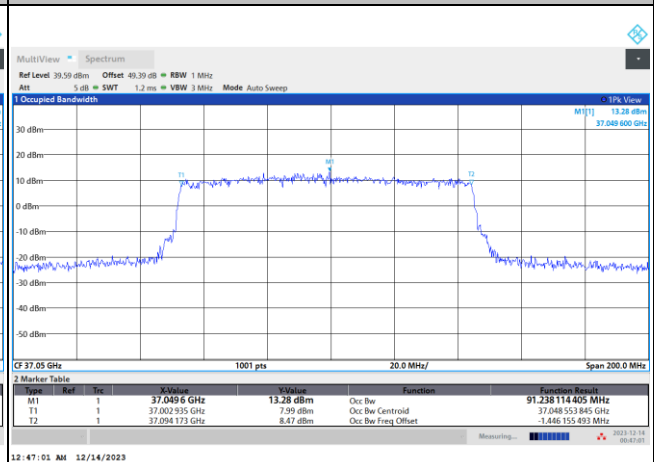
## DFT-s-OFDM Module B

## NR Band n260

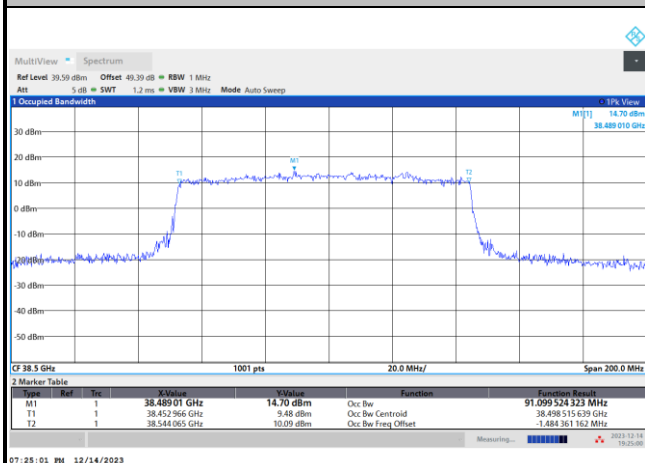
## Lowest Channel / 100MHz / 16QAM



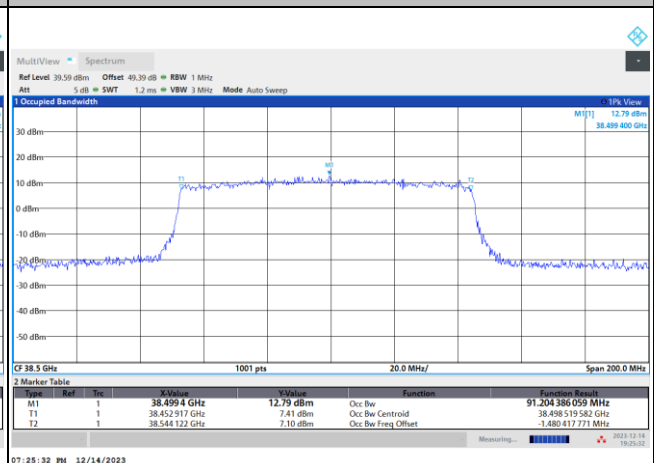
## Lowest Channel / 100MHz / 64QAM



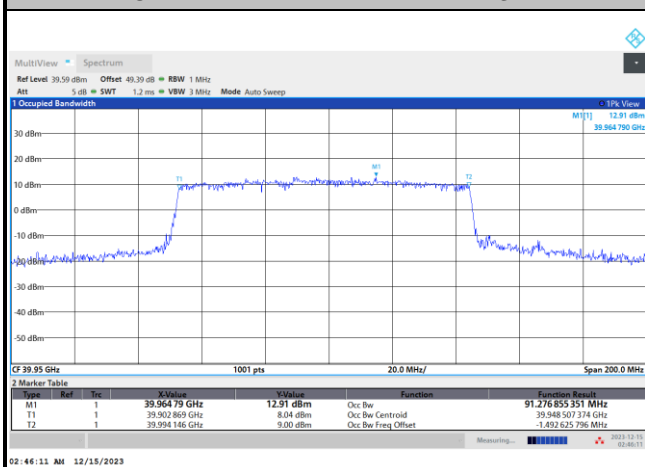
## Middle Channel / 100MHz / 16QAM



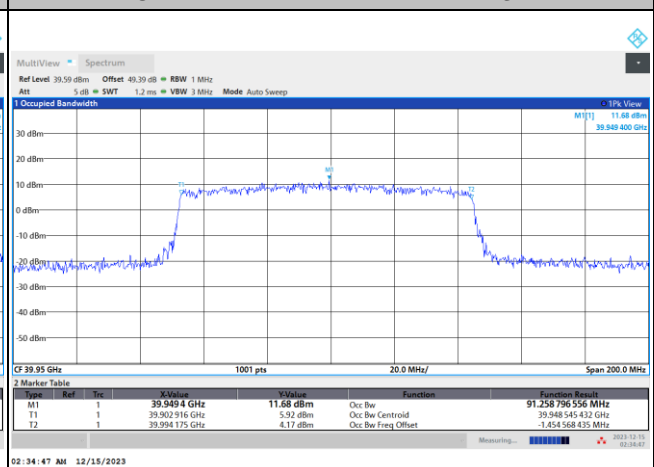
## Middle Channel / 100MHz / 64QAM



## Highest Channel / 100MHz / 16QAM



## Highest Channel / 100MHz / 64QAM

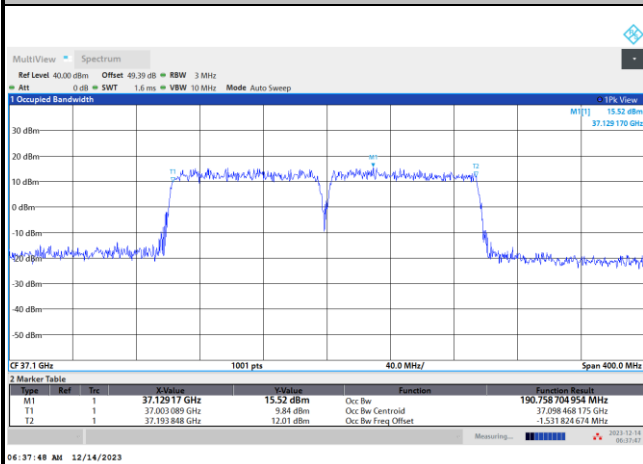




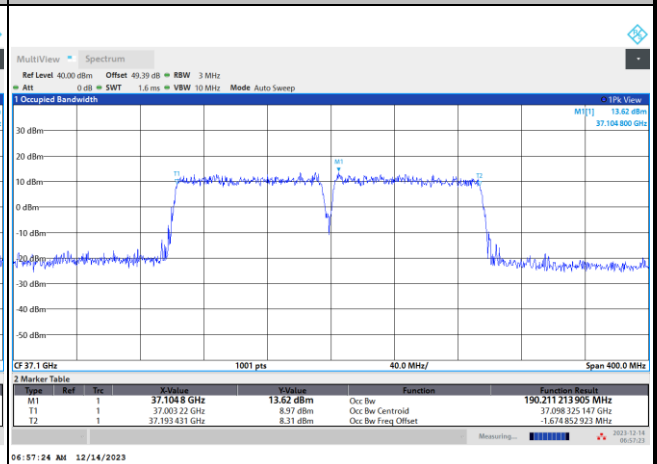
## DFT-s-OFDM Module B

## NR Band n260

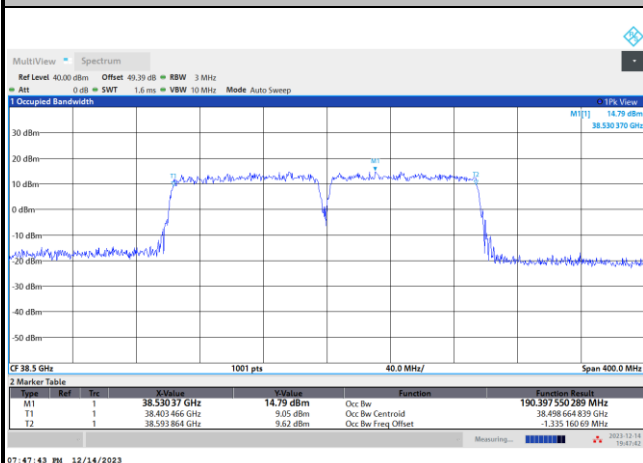
## Lowest Channel / 200MHz / QPSK



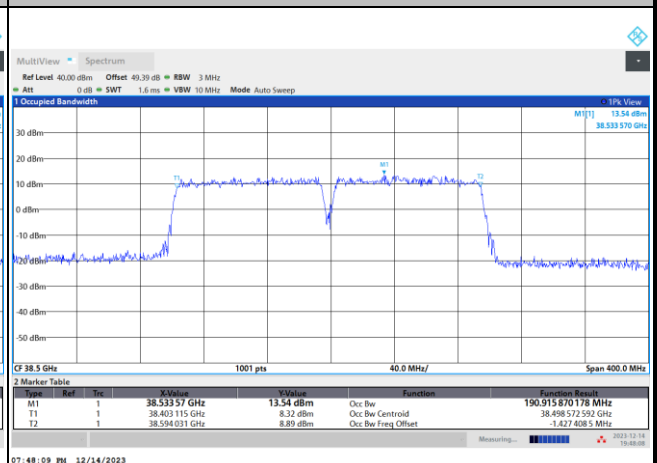
## Lowest Channel / 200MHz / 16QAM



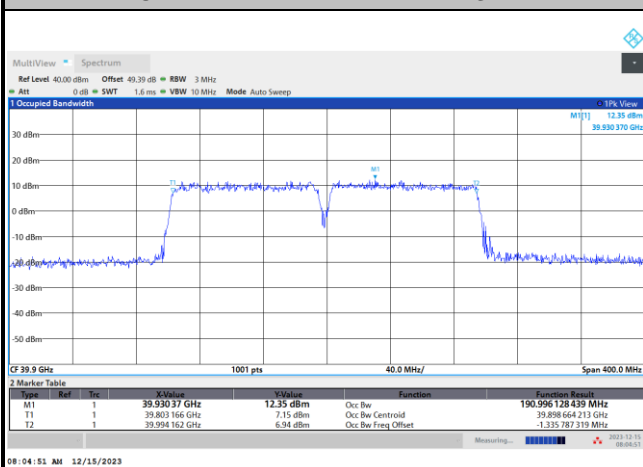
## Middle Channel / 200MHz / QPSK



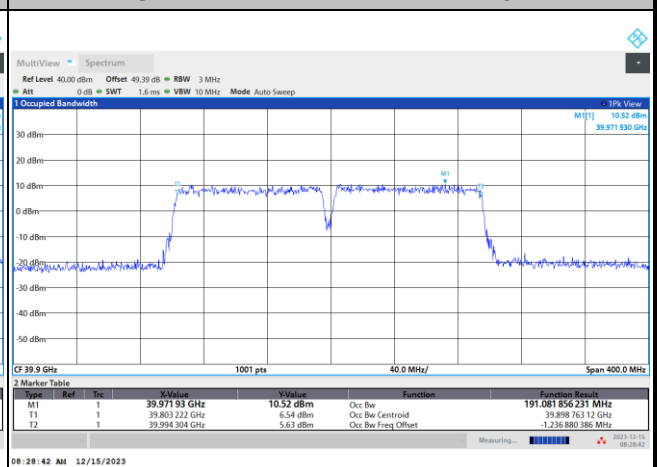
## Middle Channel / 200MHz / 16QAM



## Highest Channel / 200MHz / QPSK



## Highest Channel / 200MHz / 16QAM

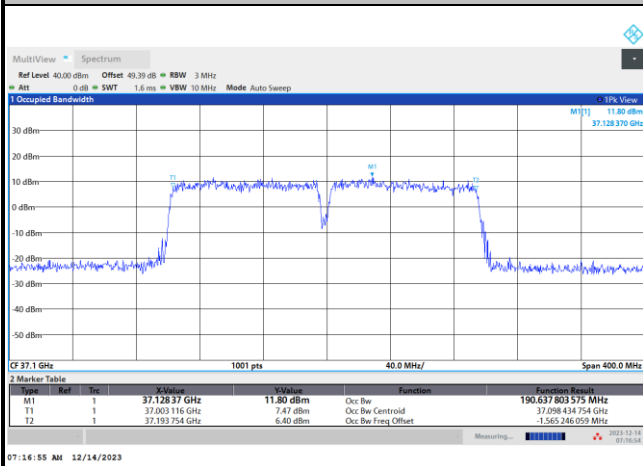




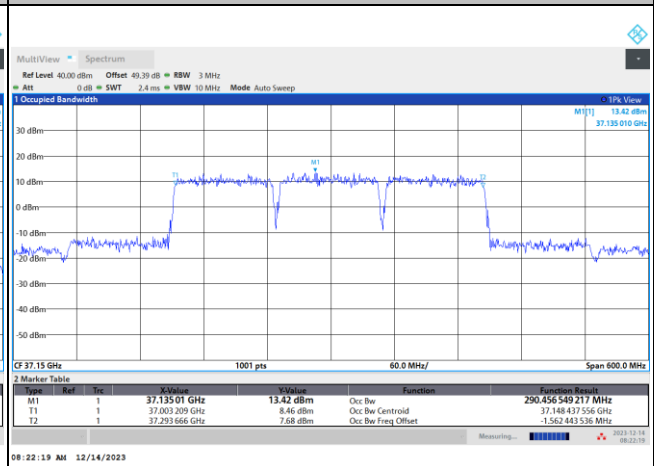
## DFT-s-OFDM Module B

## NR Band n260

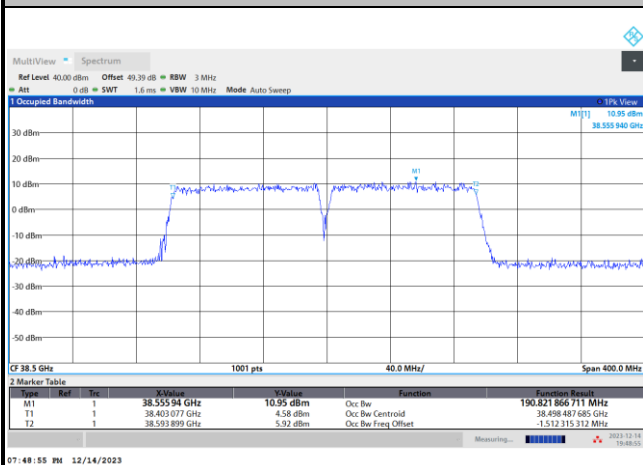
## Lowest Channel / 200MHz / 64QAM



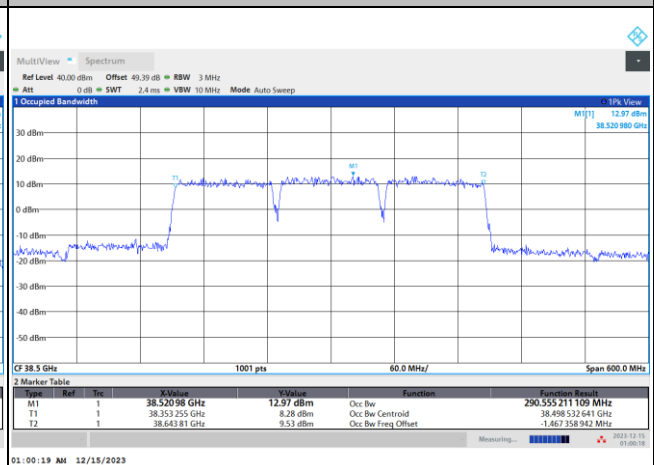
## Lowest Channel / 300MHz / QPSK



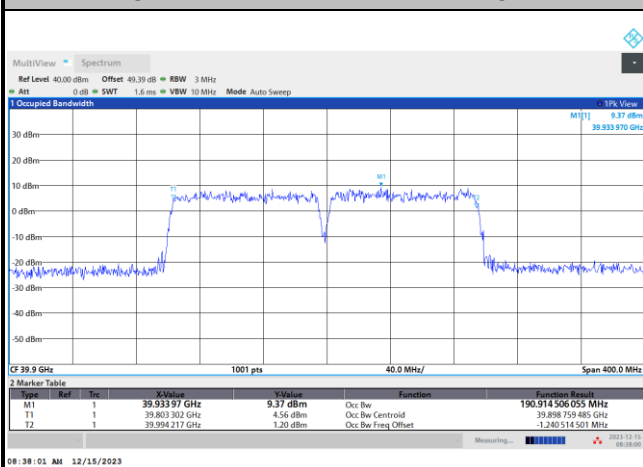
## Middle Channel / 200MHz / 64QAM



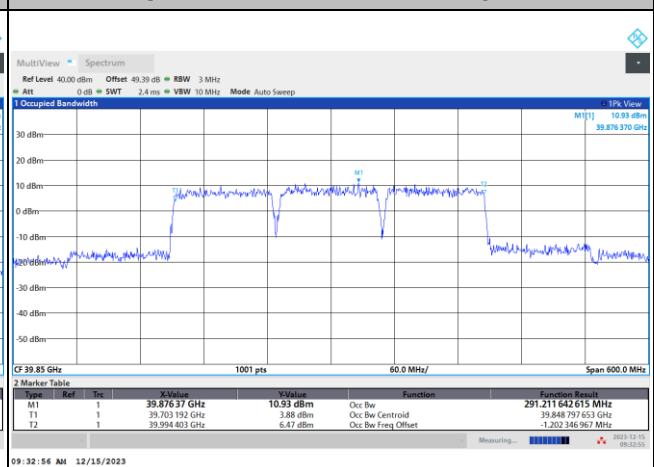
## Middle Channel / 300MHz / QPSK



## Highest Channel / 200MHz / 64QAM



## Highest Channel / 300MHz / QPSK

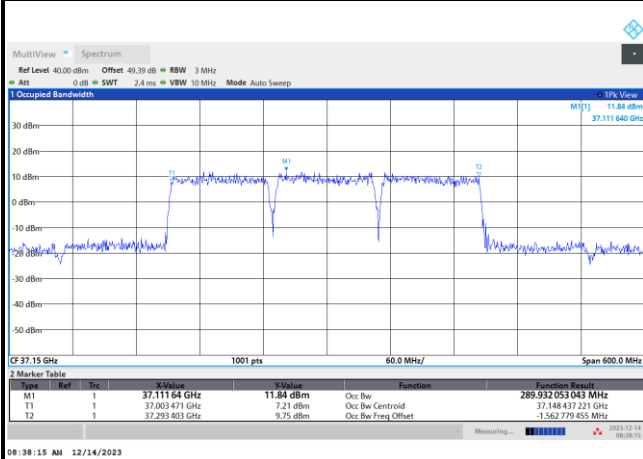




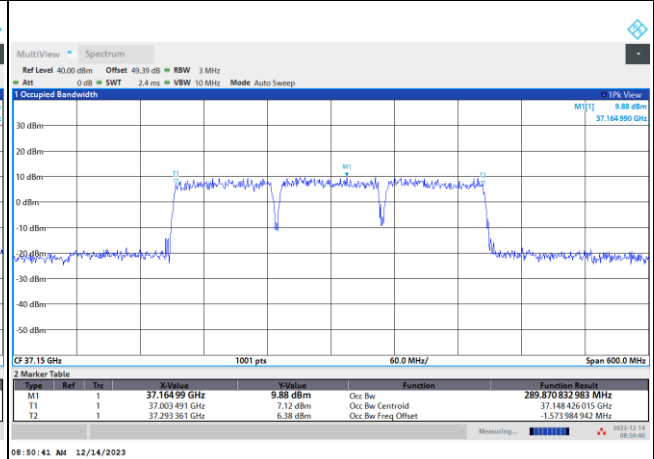
## DFT-s-OFDM Module B

## NR Band n260

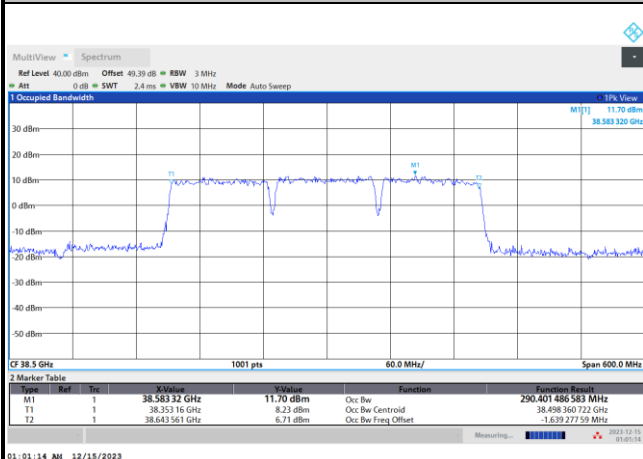
## Lowest Channel / 300MHz / 16QAM



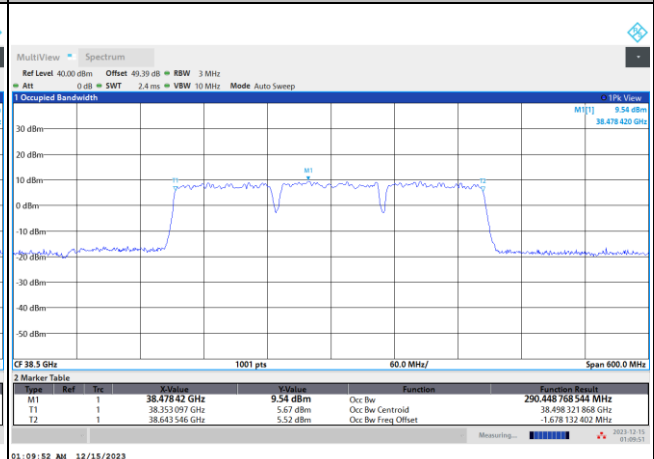
## Lowest Channel / 300MHz / 64QAM



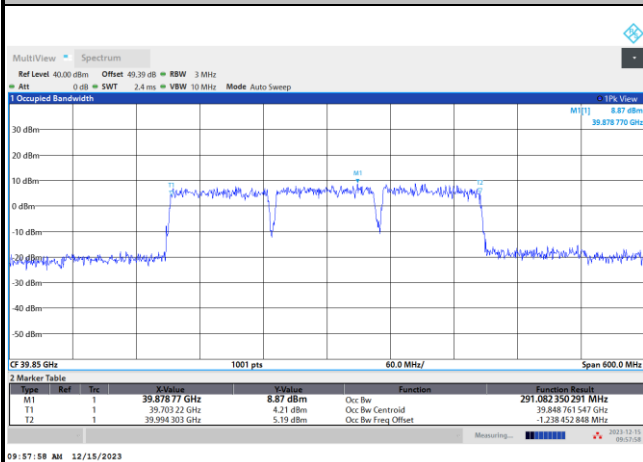
## Middle Channel / 300MHz / 16QAM



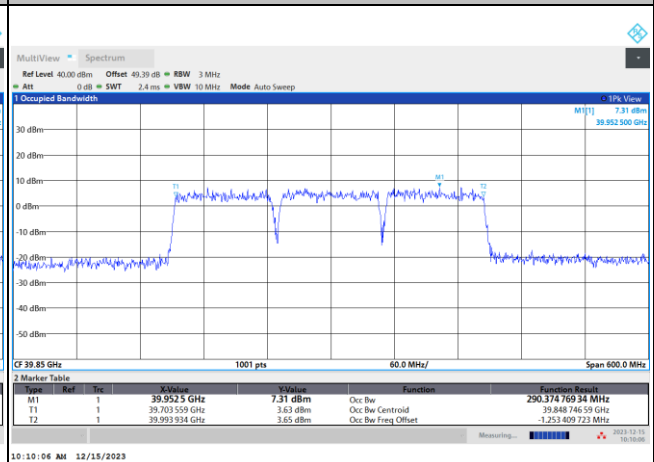
## Middle Channel / 300MHz / 64QAM

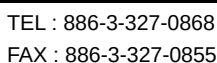


## Highest Channel / 300MHz / 16QAM



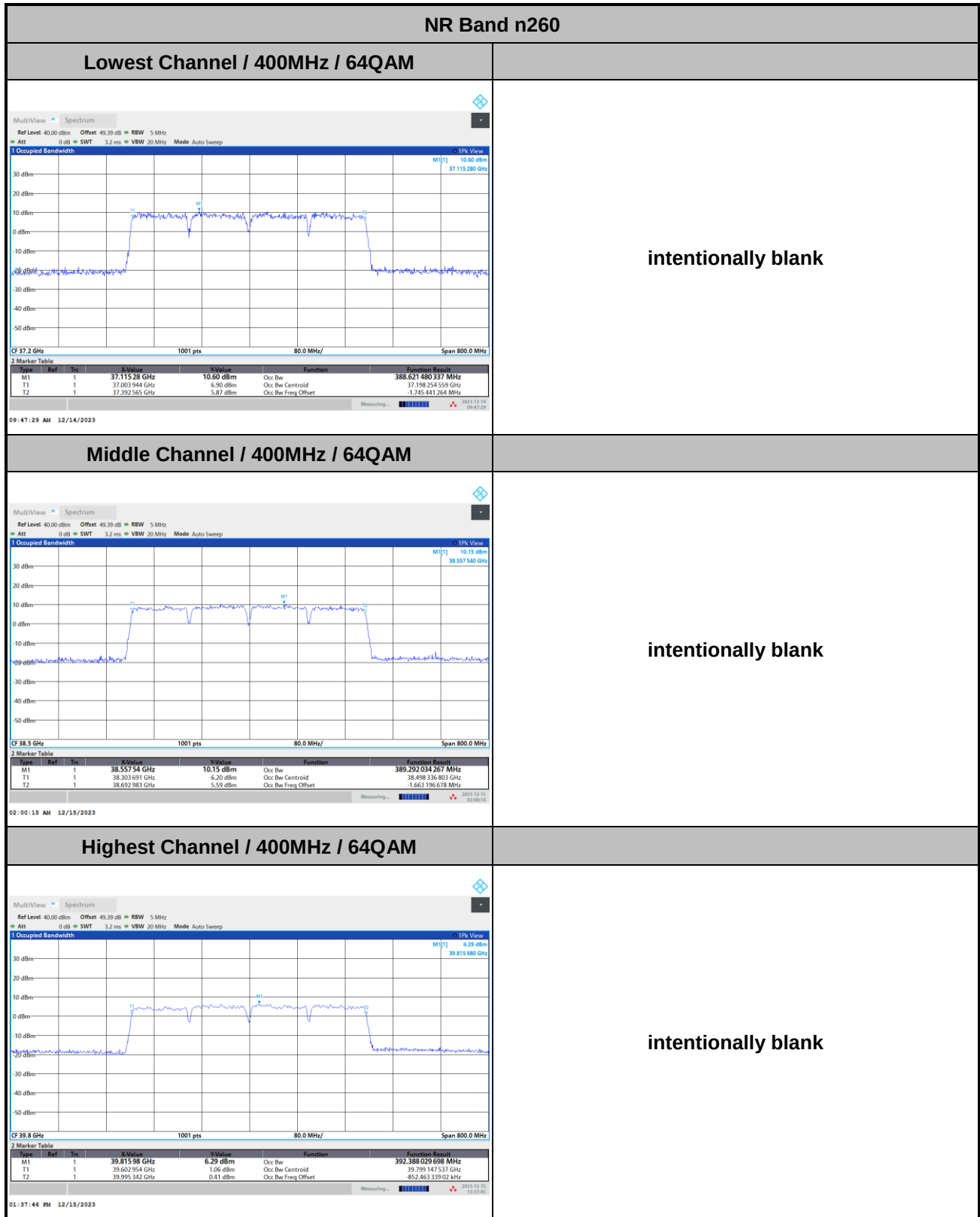
## Highest Channel / 300MHz / 64QAM







## DFT-s-OFDM Module B

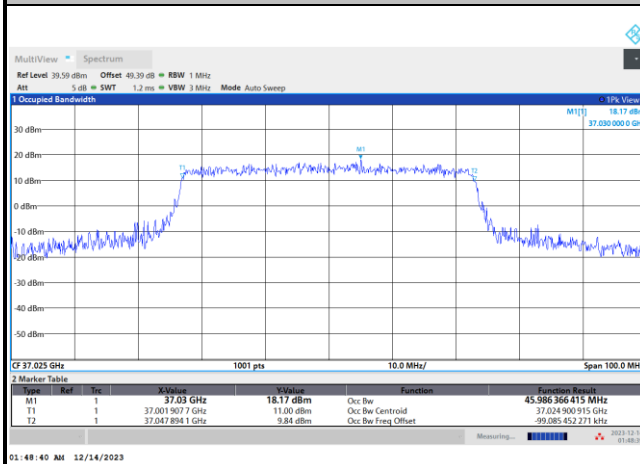




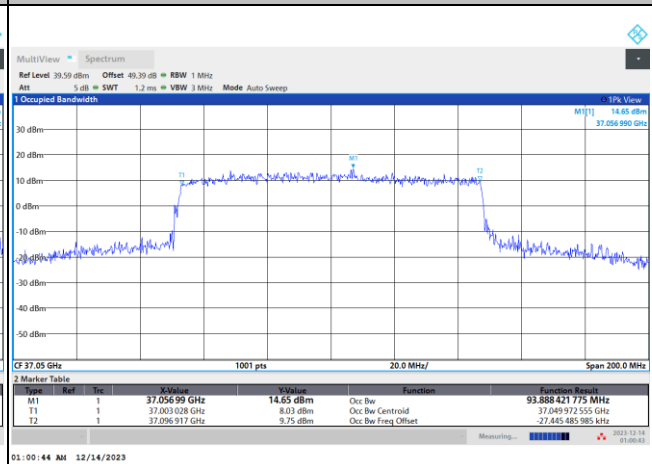
## CP-OFDM Module B

## NR Band n260

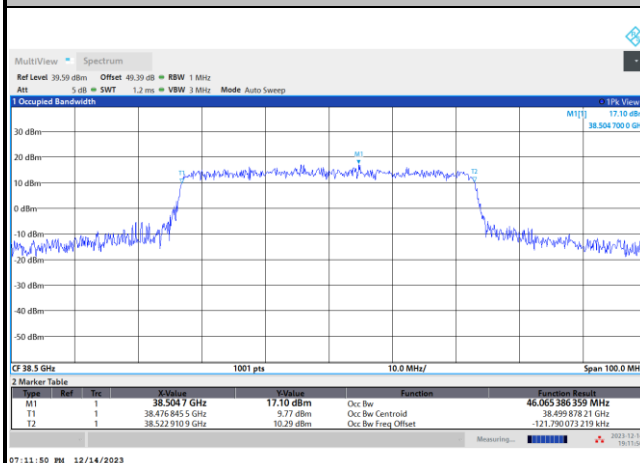
## Lowest Channel / 50MHz / QPSK



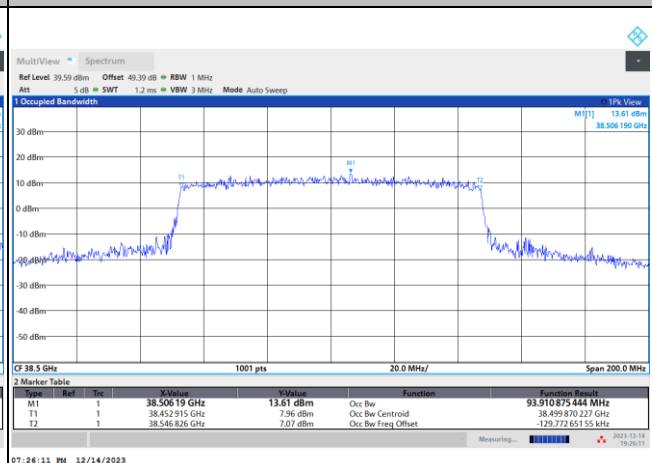
## Lowest Channel / 100MHz / QPSK



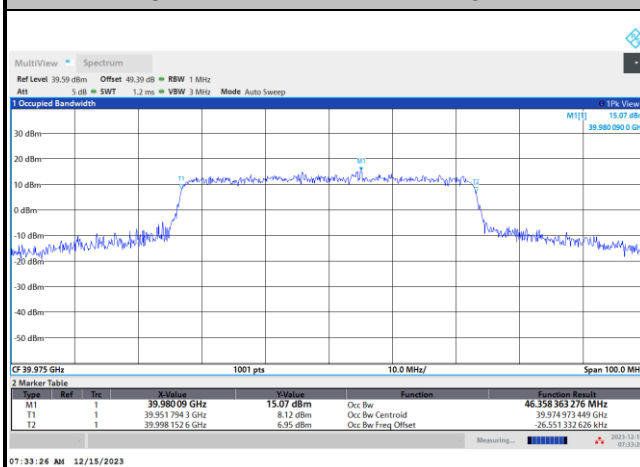
## Middle Channel / 50MHz / QPSK



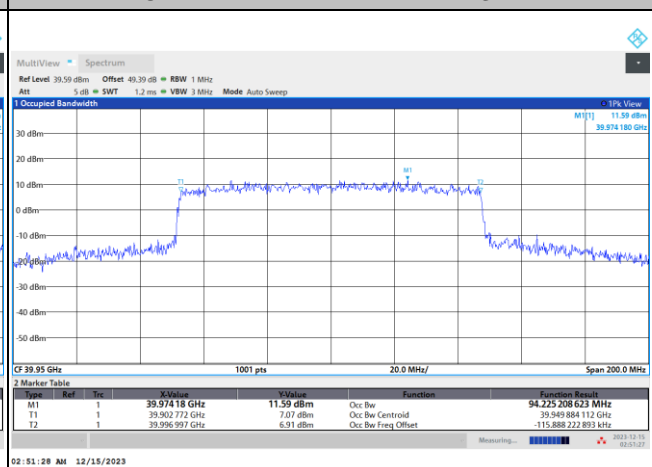
## Middle Channel / 100MHz / QPSK



## Highest Channel / 50MHz / QPSK



## Highest Channel / 100MHz / QPSK

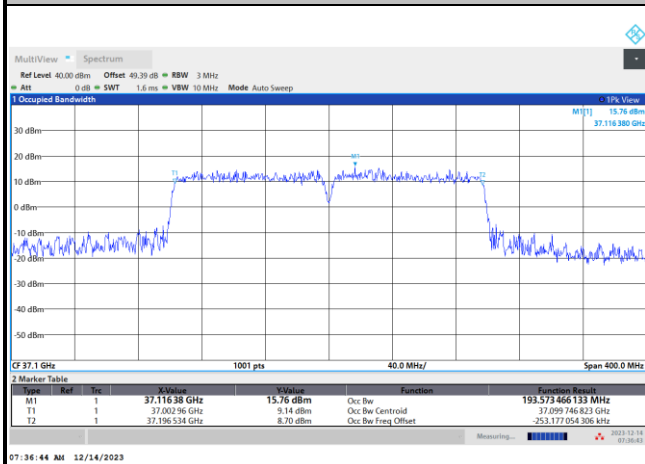




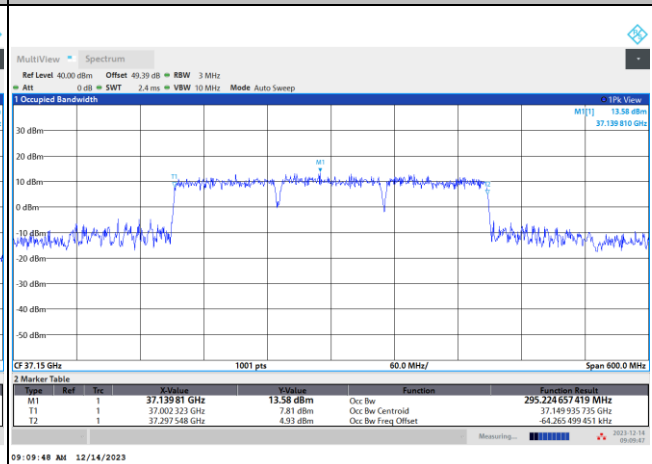
## CP-OFDM Module B

## NR Band n260

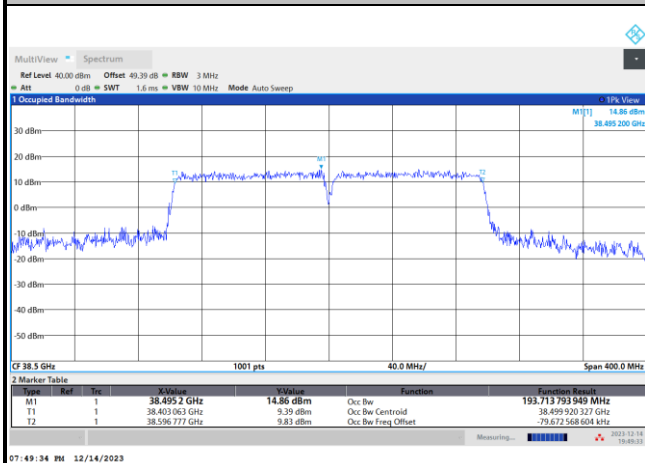
## Lowest Channel / 200MHz / QPSK



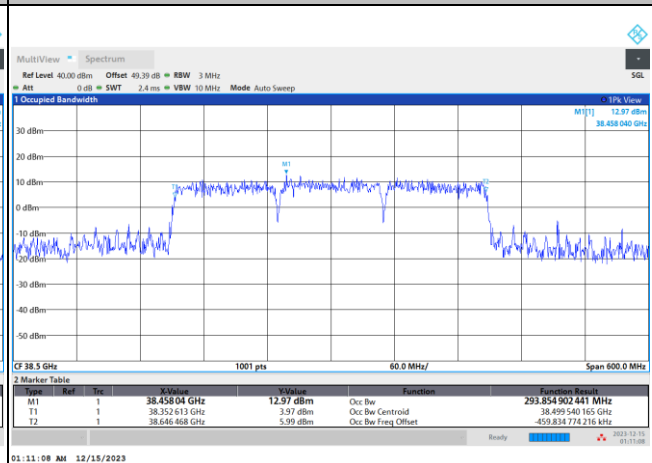
## Lowest Channel / 300MHz / QPSK



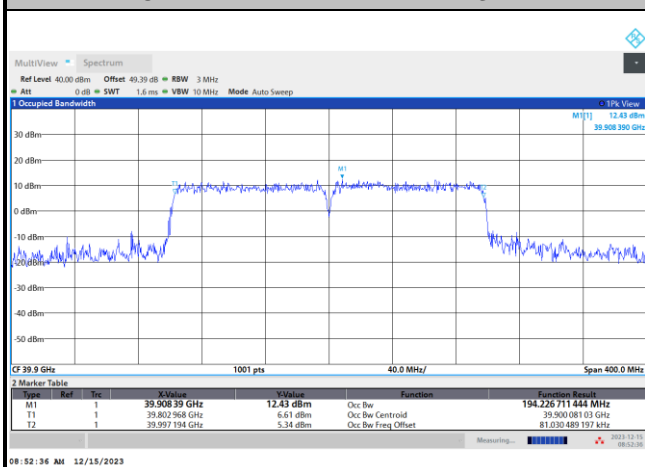
## Middle Channel / 200MHz / QPSK



## Middle Channel / 300MHz / QPSK



## Highest Channel / 200MHz / QPSK



## Highest Channel / 300MHz / QPSK

