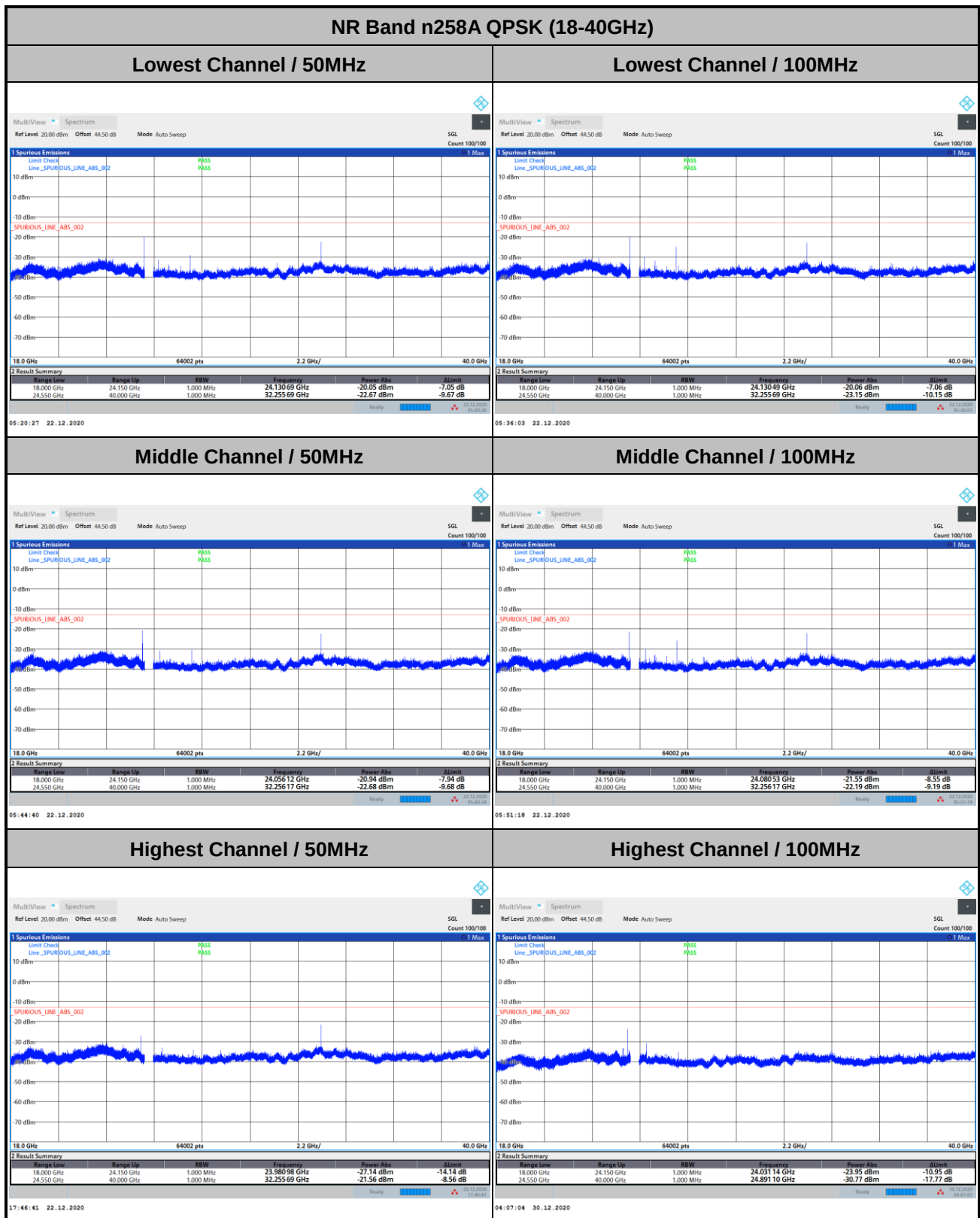




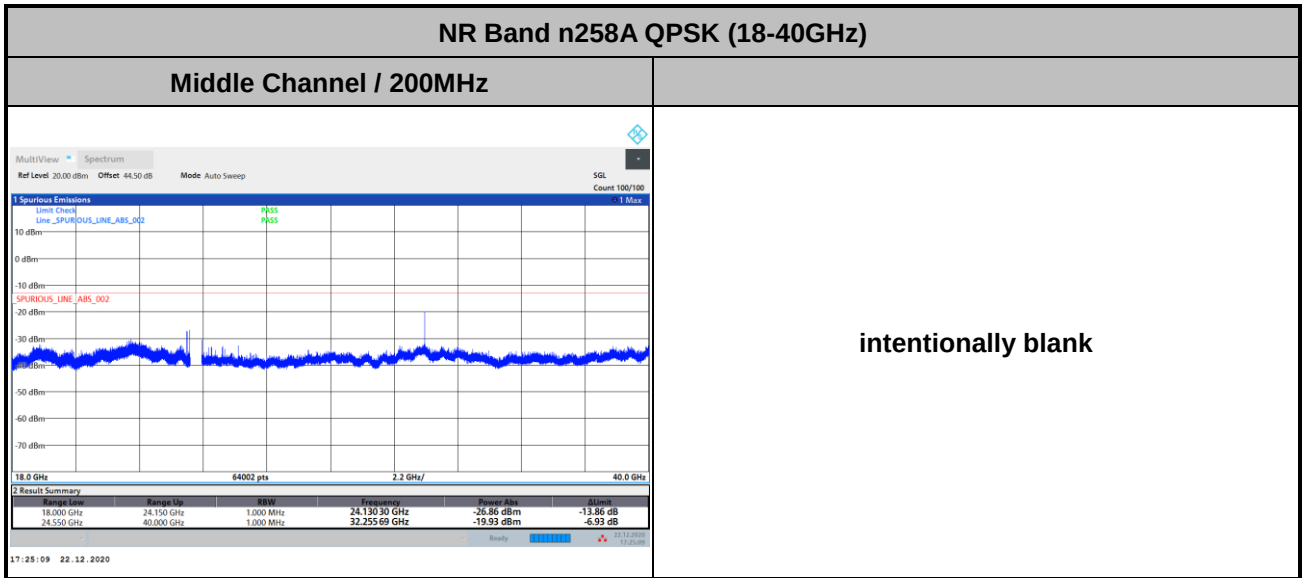
## AG0 DFT-s-OFDM Module 2



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



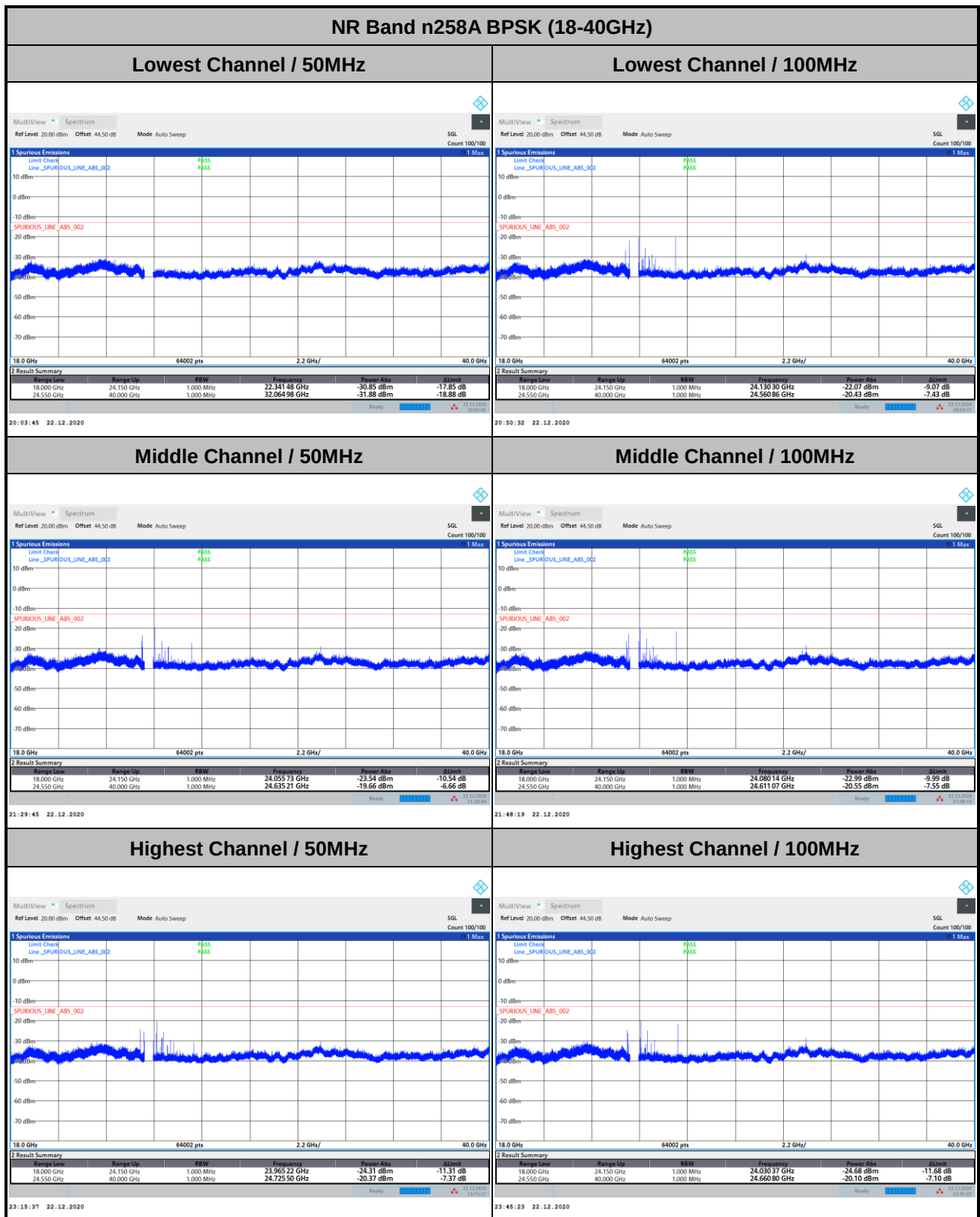
AG0 DFT-s-OFDM Module 2



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



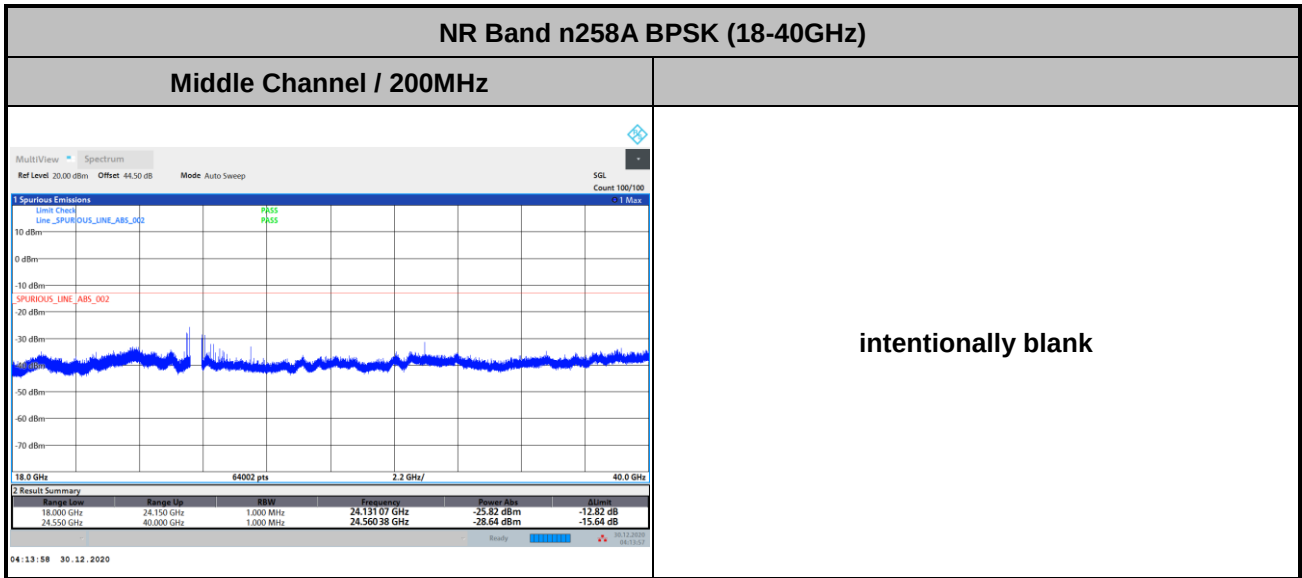
## AG1 DFT-s-OFDM Module 2



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



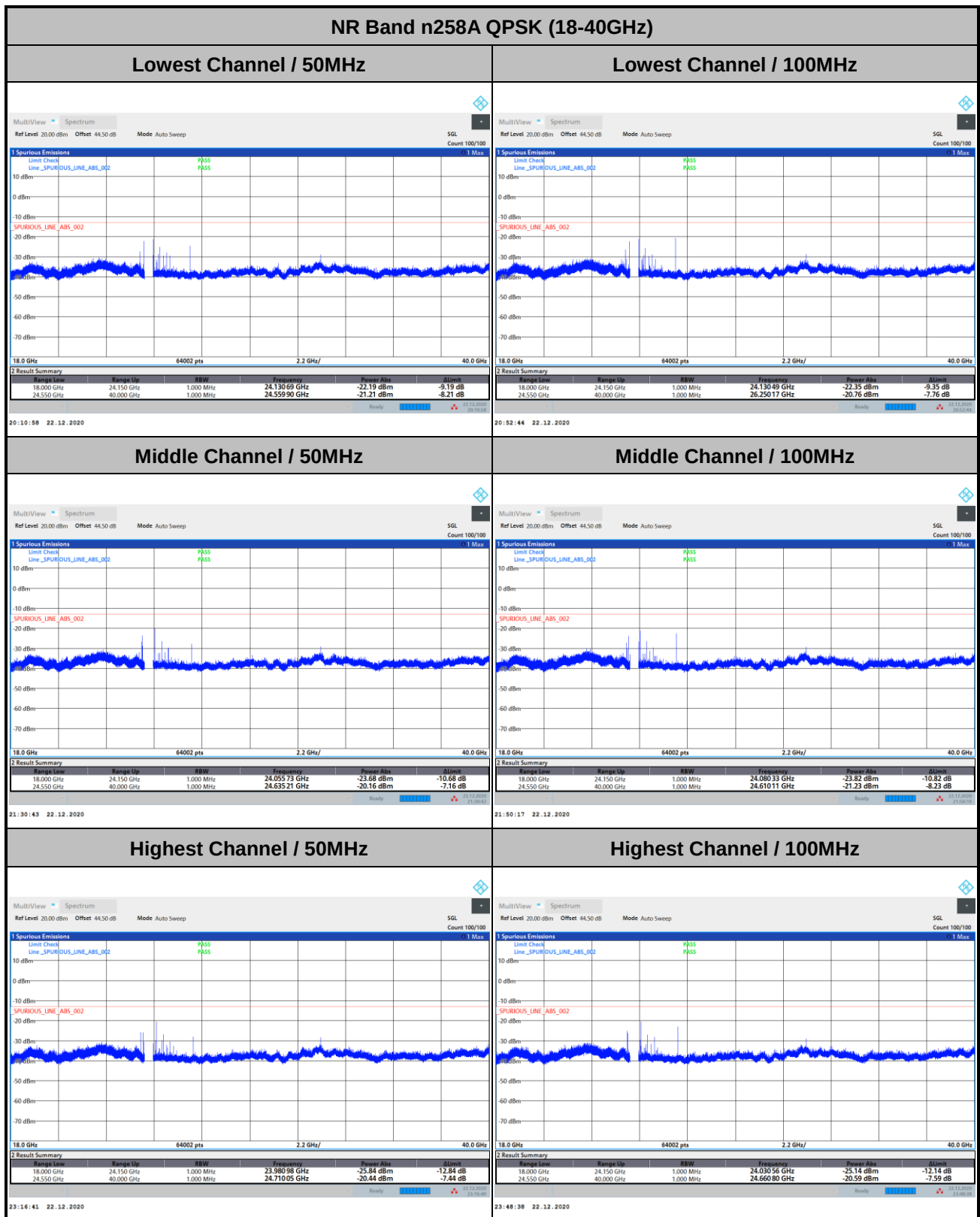
AG1 DFT-s-OFDM Module 2



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



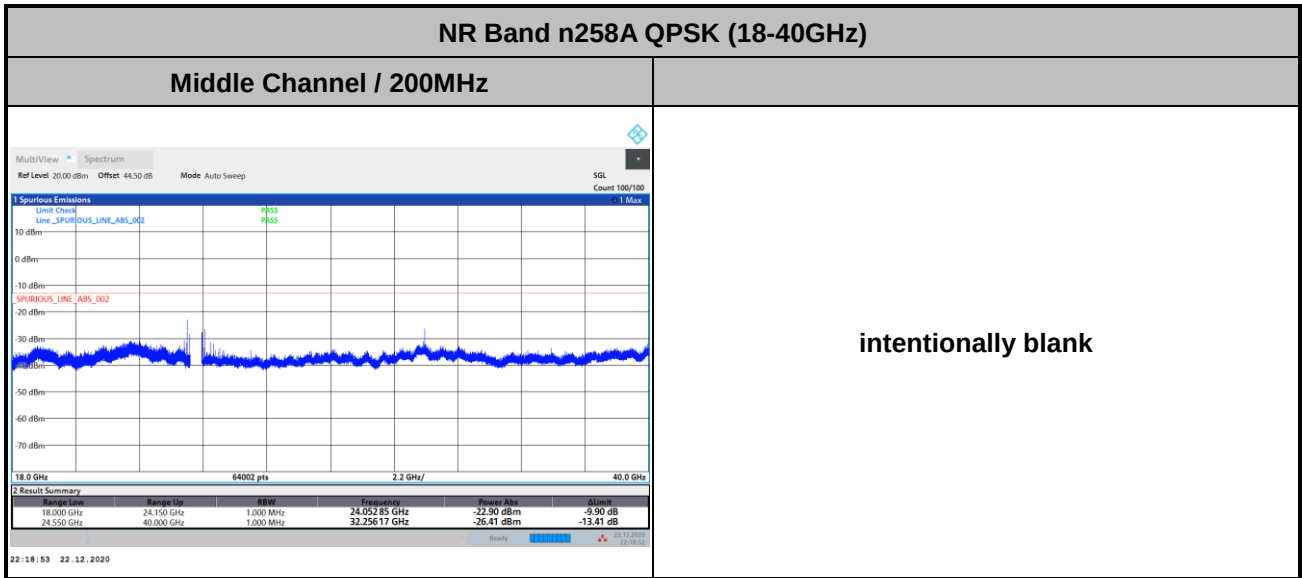
## AG1 DFT-s-OFDM Module 2



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



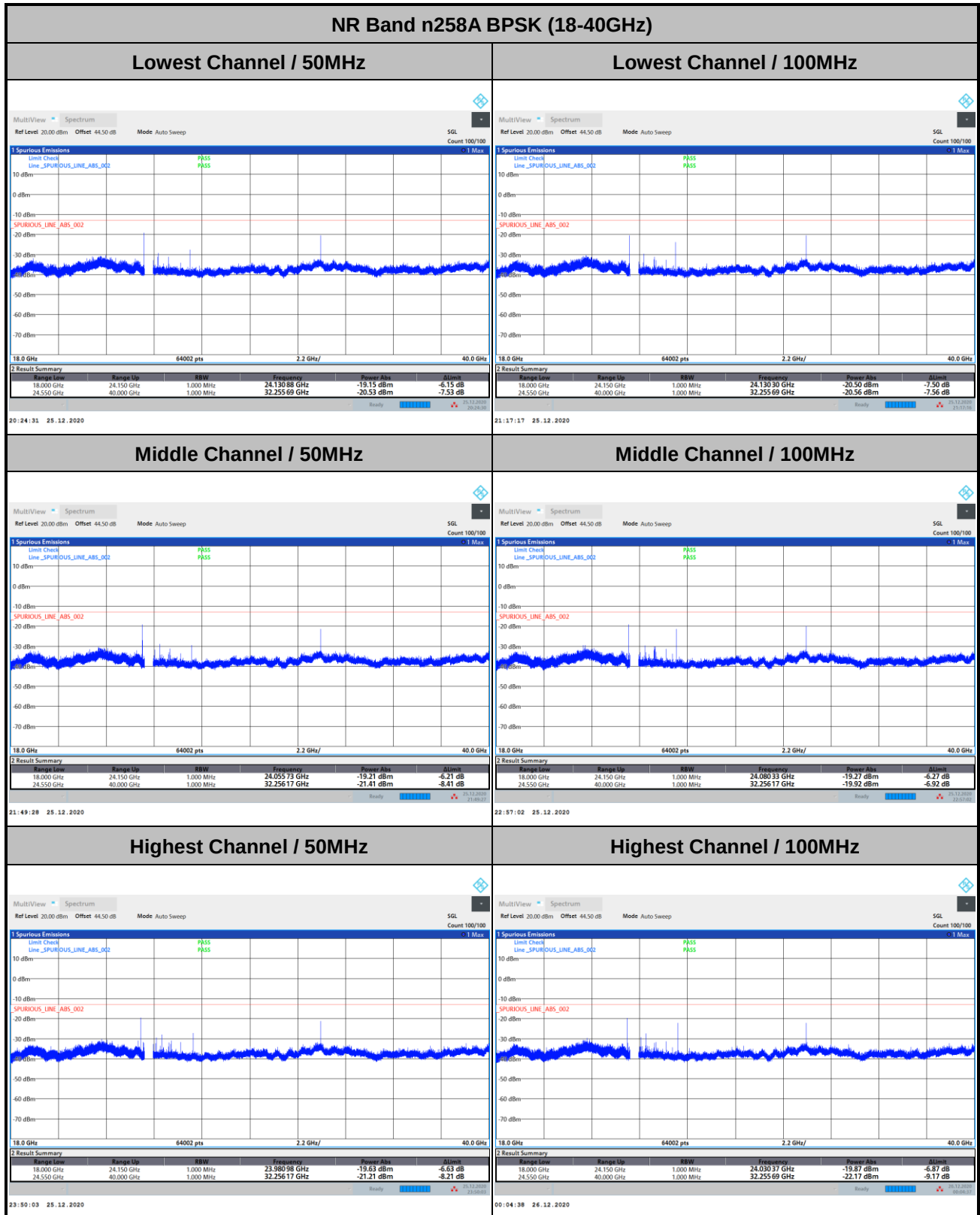
AG1 DFT-s-OFDM Module 2



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

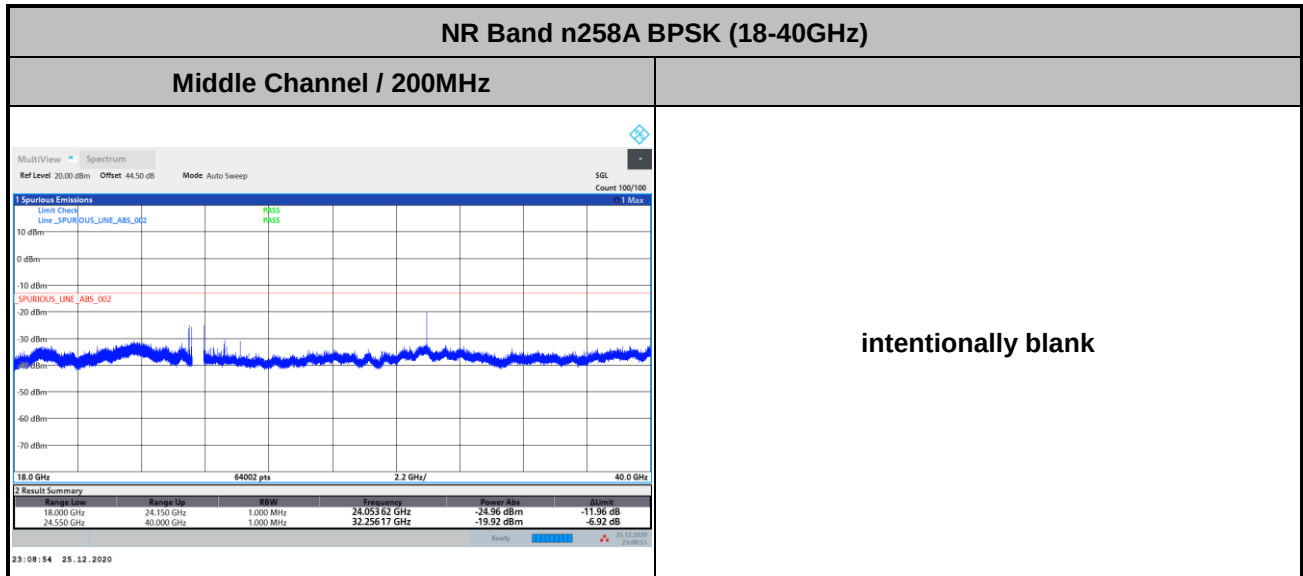


## AG0+1 DFT-s-OFDM Module 2



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

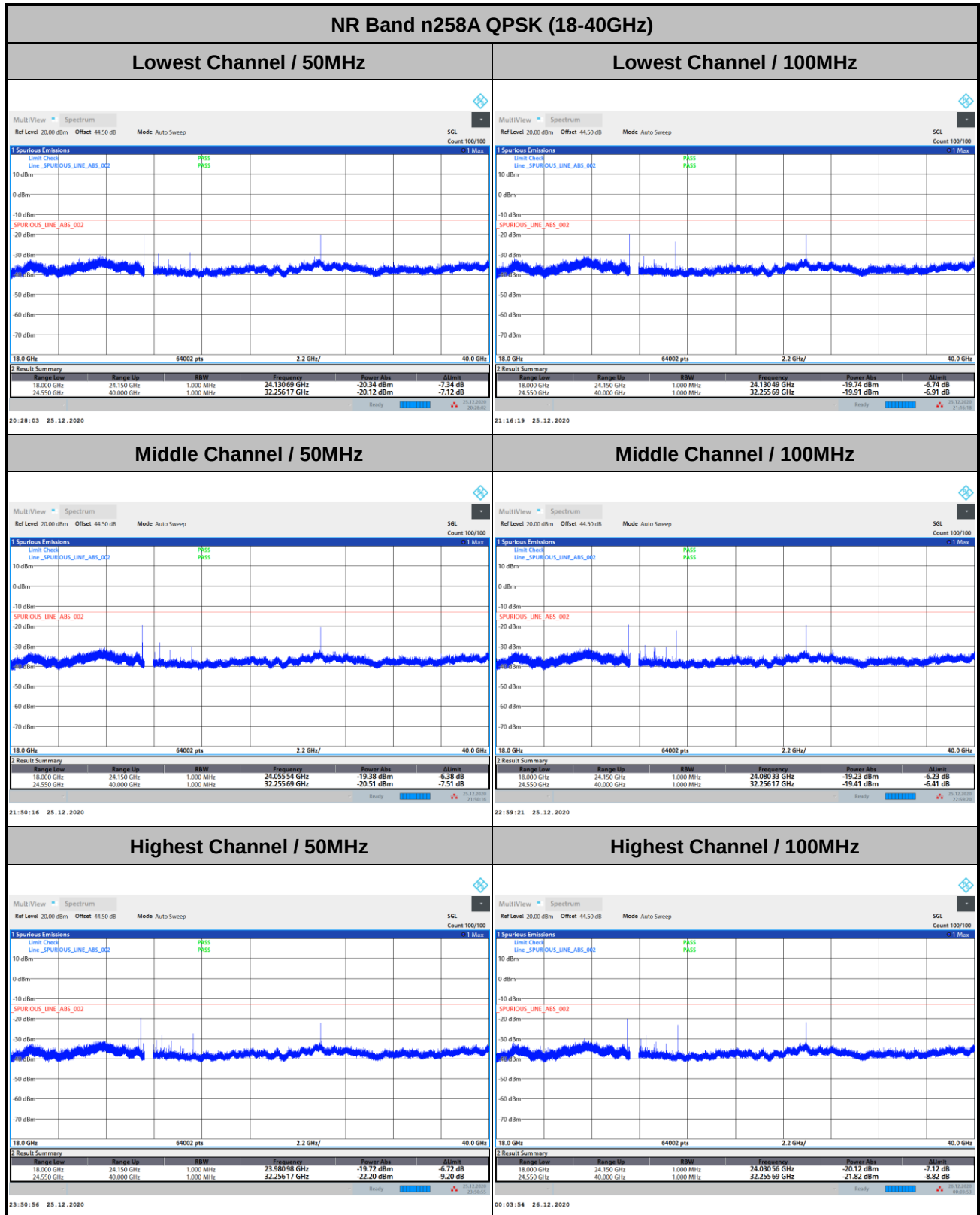
## AG0+1 DFT-s-OFDM Module 2



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



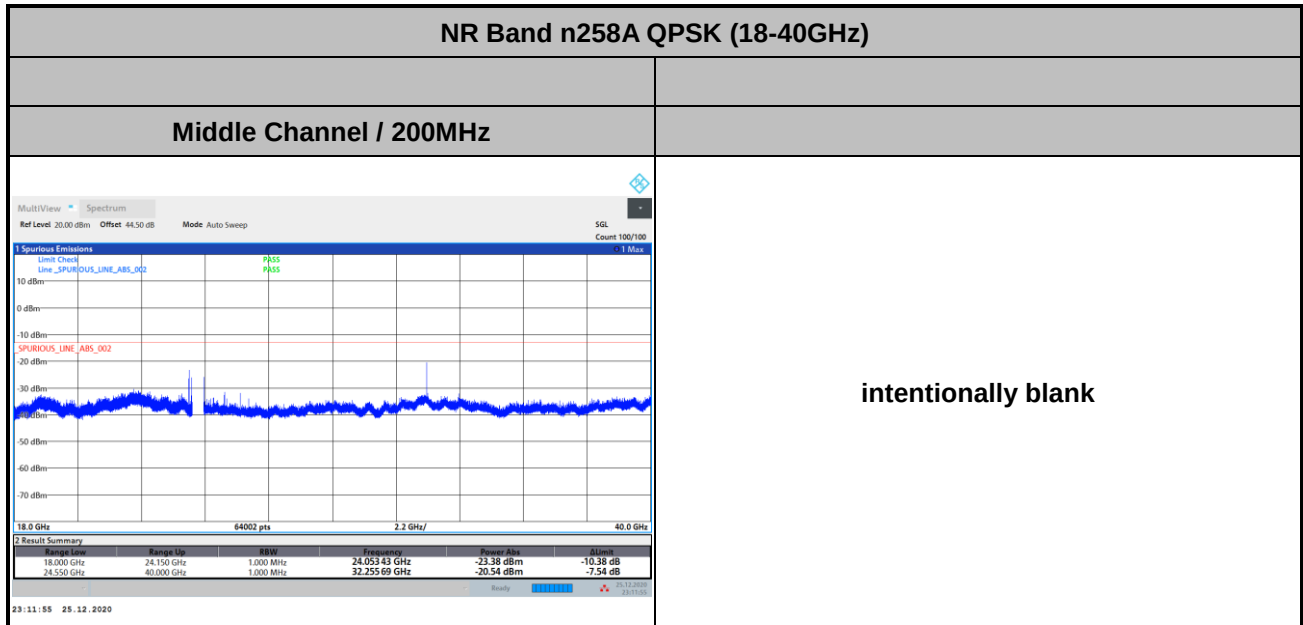
## AG0+1 DFT-s-OFDM Module 2



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



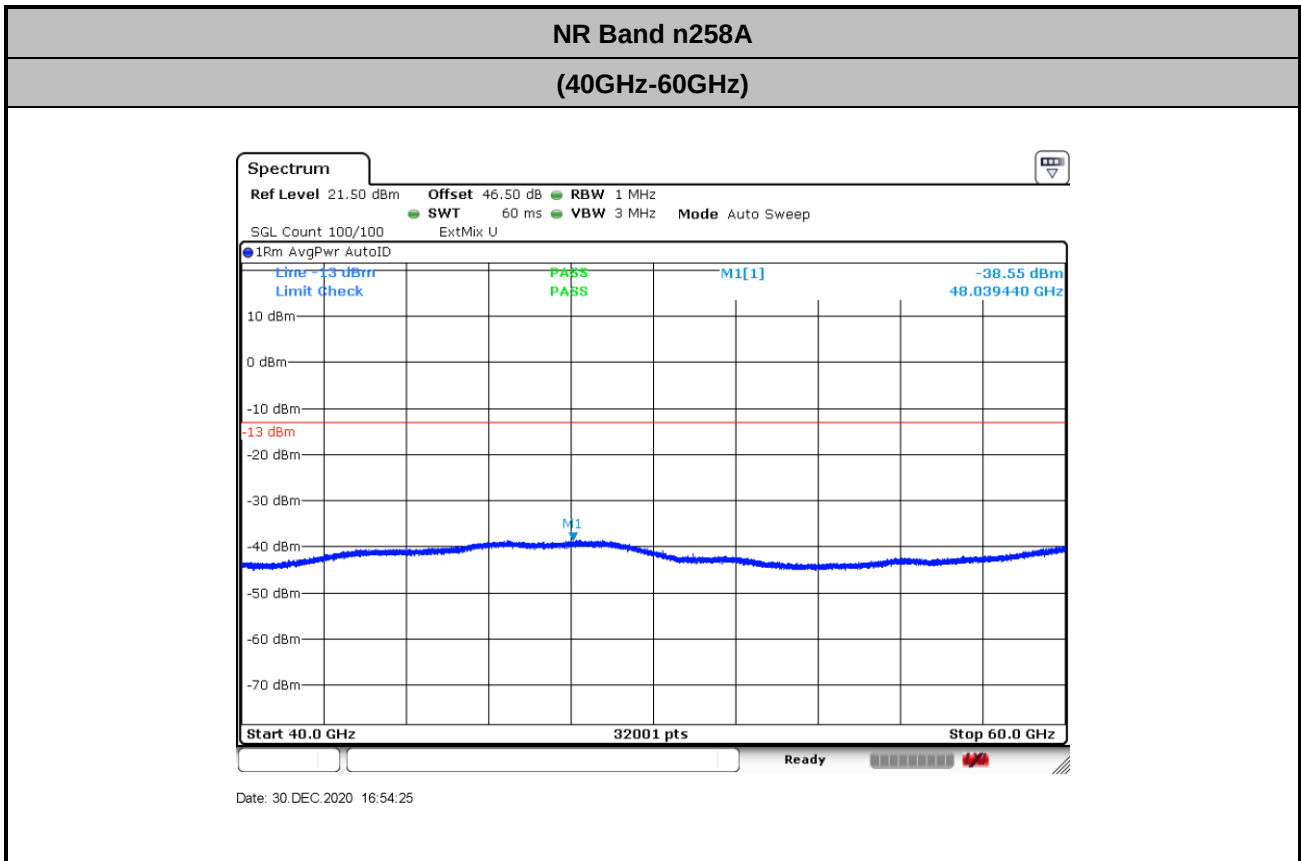
## AG0+1 DFT-s-OFDM Module 2



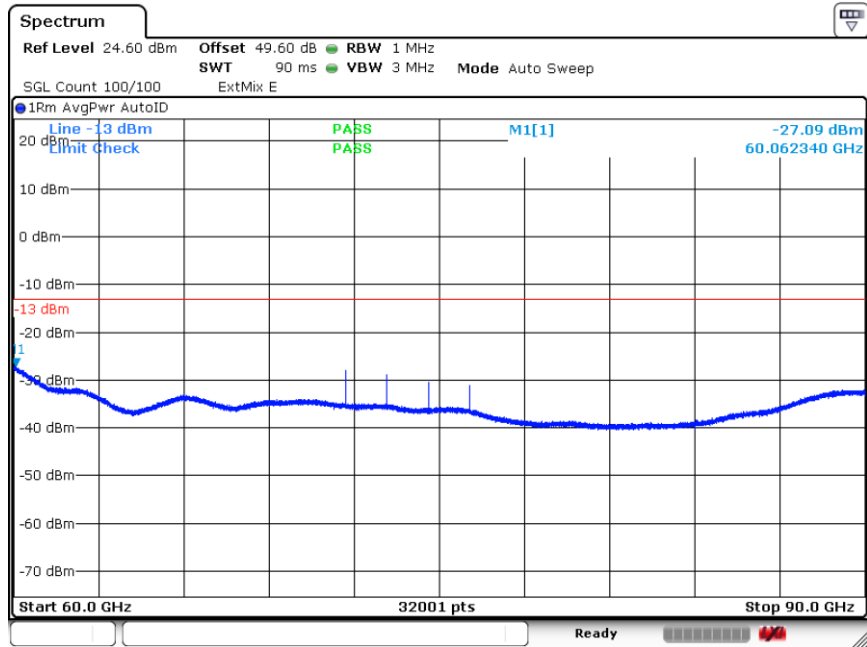
**Remark:** In band and out of band frequencies are omitted.



There is no significant spurious emission signal found for frequency started from 40GHz up to 100GHz.  
Only the noise floor is reported.



**Remark:** Offset = Antenna Factor (dB/m) + Cable Loss (dB) + 107 + 20log (D) – 104.8  
= 42.3 + 2 + 107 + 20log(1) – 104.8 = 46.5 (dB)

**NR Band n258A**
**(60GHz-90GHz)**


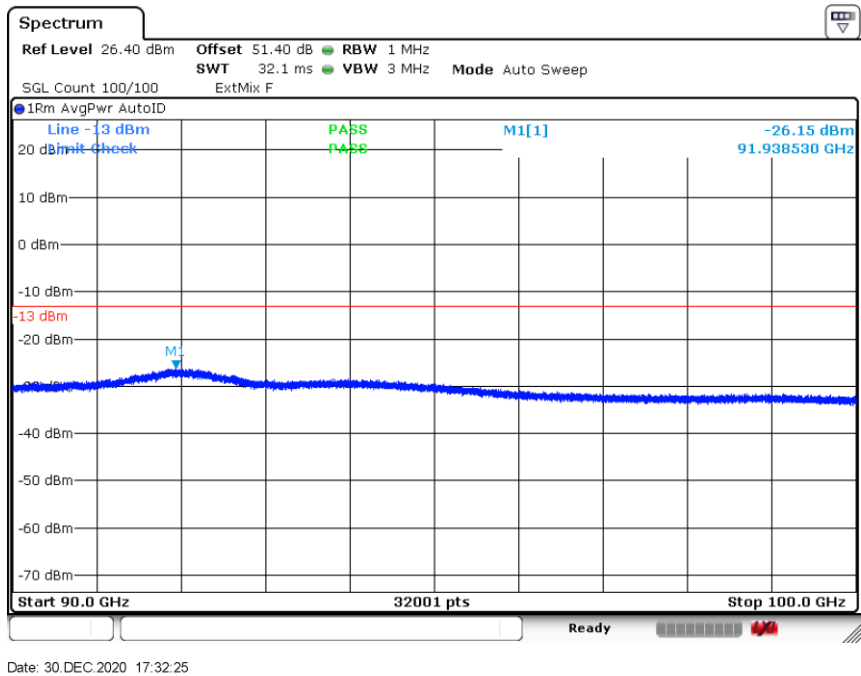
Date: 30.DEC.2020 17:08:45

**Remark:** Offset = Antenna Factor (dB/m) + Cable Loss (dB) + 107 + 20log (D) – 104.8  
 = 45.4 + 2 + 107 + 20log(1) – 104.8 = 49.6 (dB)



## NR Band n258A

(90GHz-100GHz)



**Remark:** Offset = Antenna Factor (dB/m) + Cable Loss (dB) + 107 + 20log (D) – 104.8  
= 47.2 + 2 + 107 + 20log(1) – 104.8 = 51.4 (dB)

## Frequency Stability

| Test Conditions     |                   | NR Band n258a / Middle Channel |                    |                    | Limit   |
|---------------------|-------------------|--------------------------------|--------------------|--------------------|---------|
| Temperature<br>(°C) | Voltage<br>(Volt) | CW tone                        |                    |                    | Note 2. |
|                     |                   | Frequency<br>(GHz)             | Deviation<br>(kHz) | Deviation<br>(ppm) | Result  |
| 50                  | Normal Voltage    | 24.35018332                    | -183.320           | 7.529              | Pass    |
| 40                  | Normal Voltage    | 24.3500979                     | -97.900            | 4.021              |         |
| 30                  | Normal Voltage    | 24.35004695                    | -46.950            | 1.928              |         |
| 20(Ref.)            | Normal Voltage    | 24.35                          | 0.000              | 0.000              |         |
| 10                  | Normal Voltage    | 24.34996354                    | 36.460             | 1.497              |         |
| 0                   | Normal Voltage    | 24.34994106                    | 58.940             | 2.421              |         |
| -10                 | Normal Voltage    | 24.34991858                    | 81.420             | 3.344              |         |
| -20                 | Normal Voltage    | 24.34989361                    | 106.390            | 4.369              |         |
| -30                 | Normal Voltage    | 24.34988511                    | 114.890            | 4.718              |         |
| 20                  | Maximum Voltage   | 24.3500005                     | -0.500             | 0.021              |         |
| 20                  | Normal Voltage    | 24.349995                      | 5.000              | 0.205              |         |
| 20                  | Battery End Point | 24.34999301                    | 6.990              | 0.287              |         |

**Note:**

1. Normal Voltage =7.74 V. ; Battery End Point (BEP) =7.2 V. ; Maximum Voltage =8.9 V.
2. The frequency fundamental emissions stay within the operation band.



## NR Band n258B Module 0

## Occupied Bandwidth

AG0

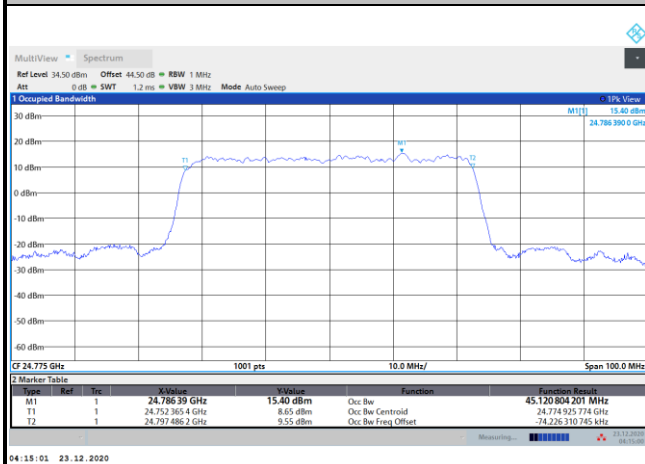
| Mode       | DFT-s-OFDM Module 0 NR Band n258B : 99%OBW(MHz) |       |       |       |        |       |       |       |        |        |        |        |
|------------|-------------------------------------------------|-------|-------|-------|--------|-------|-------|-------|--------|--------|--------|--------|
| BW         | 50MHz                                           |       |       |       | 100MHz |       |       |       | 200MHz |        |        |        |
| Mod.       | BPSK                                            | QPSK  | 16QAM | 64QAM | BPSK   | QPSK  | 16QAM | 64QAM | BPSK   | QPSK   | 16QAM  | 64QAM  |
| Lowest CH  | 45.12                                           | 45.28 | 45.41 | 45.09 | 90.23  | 90.72 | 90.10 | 90.19 | 188.61 | 188.96 | 188.71 | 188.82 |
| Middle CH  | 45.14                                           | 45.28 | 45.43 | 45.09 | 90.19  | 90.58 | 90.09 | 90.16 | 188.87 | 189.11 | 188.80 | 189.01 |
| Highest CH | 45.16                                           | 45.32 | 45.42 | 45.08 | 89.88  | 90.43 | 89.88 | 89.92 | 188.30 | 188.72 | 188.59 | 188.46 |



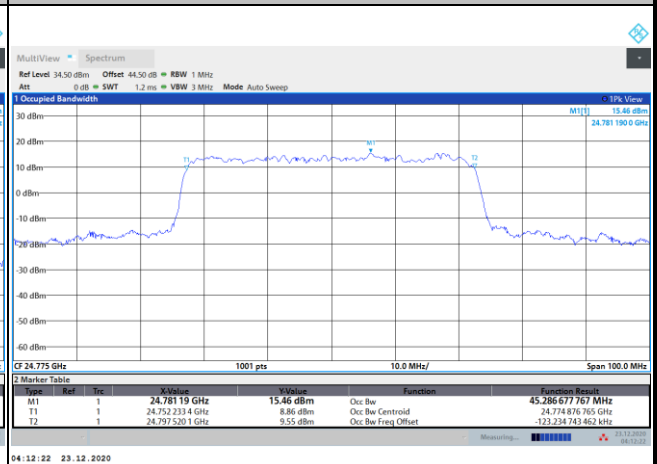
## DFT-s-OFDM Module 0

## NR Band n258B

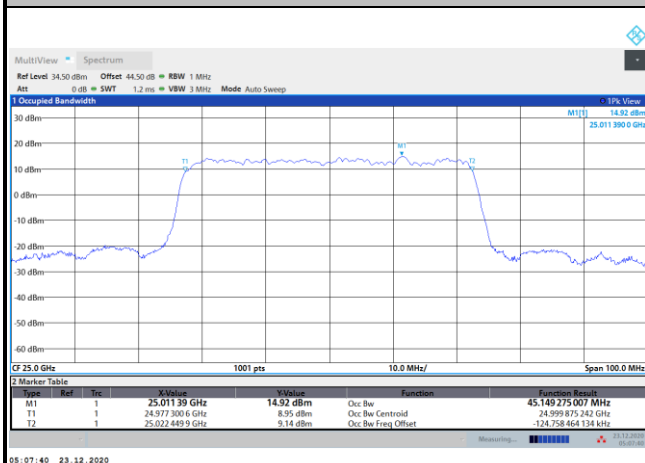
## Lowest Channel / 50MHz / BPSK



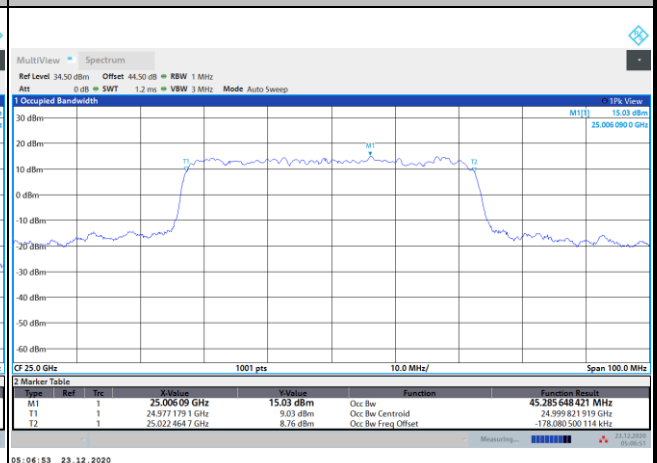
## Lowest Channel / 50MHz / QPSK



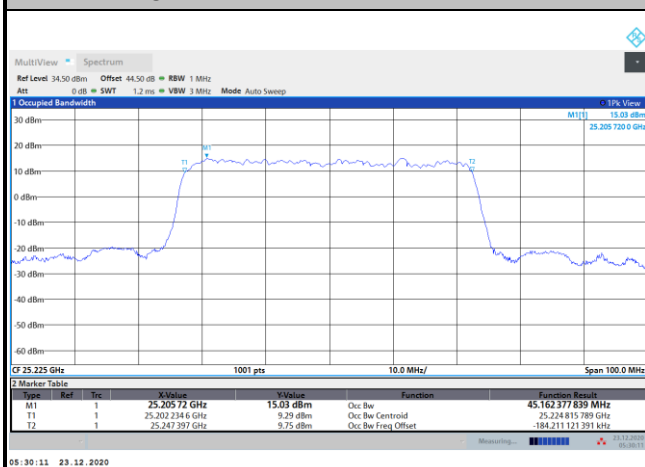
## Middle Channel / 50MHz / BPSK



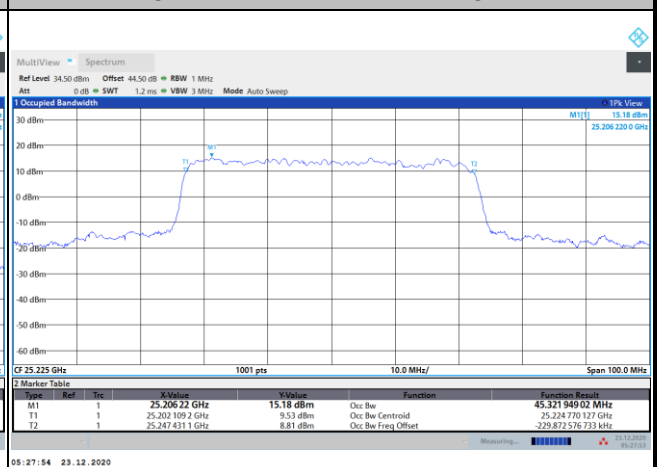
## Middle Channel / 50MHz / QPSK



## Highest Channel / 50MHz / BPSK



## Highest Channel / 50MHz / QPSK

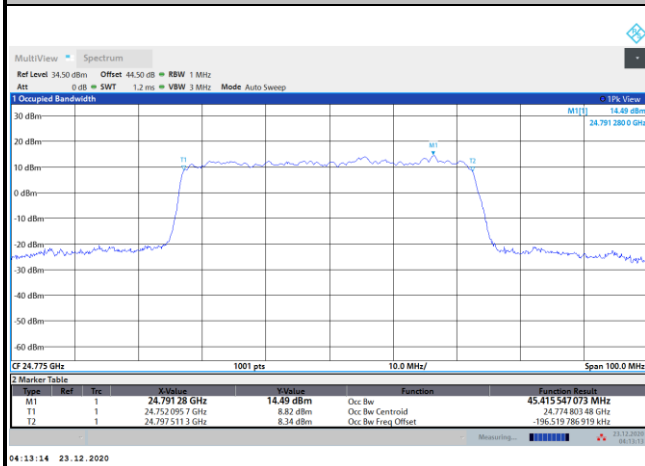




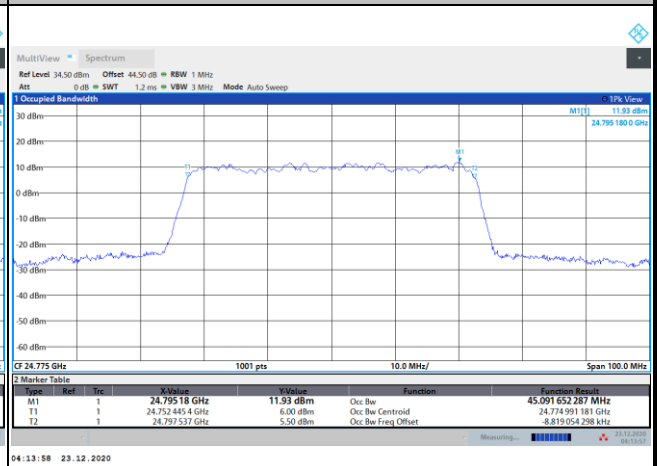
## DFT-s-OFDM Module 0

## NR Band n258B

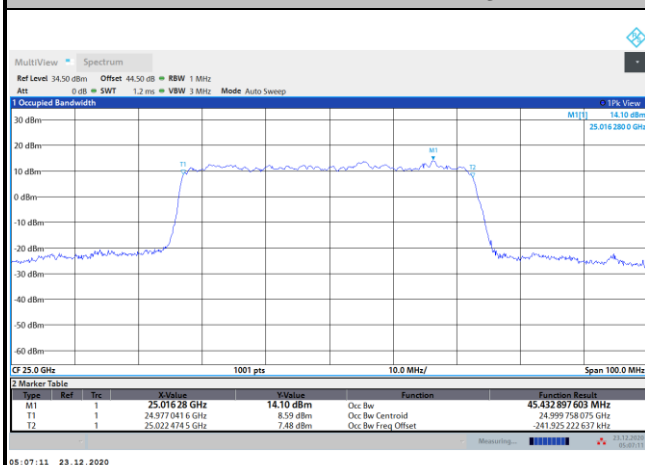
## Lowest Channel / 50MHz / 16QAM



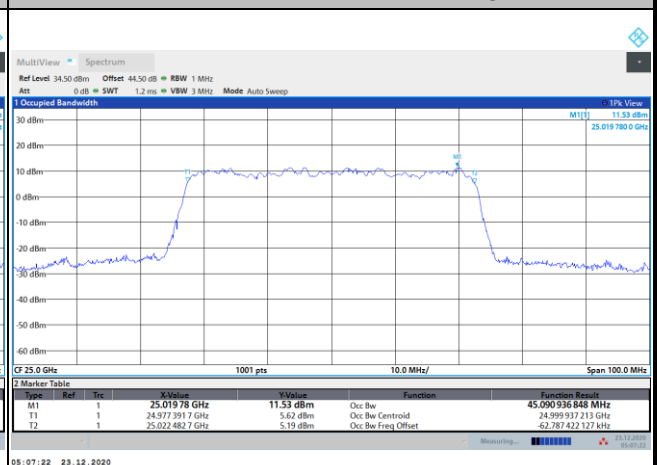
## Lowest Channel / 50MHz / 64QAM



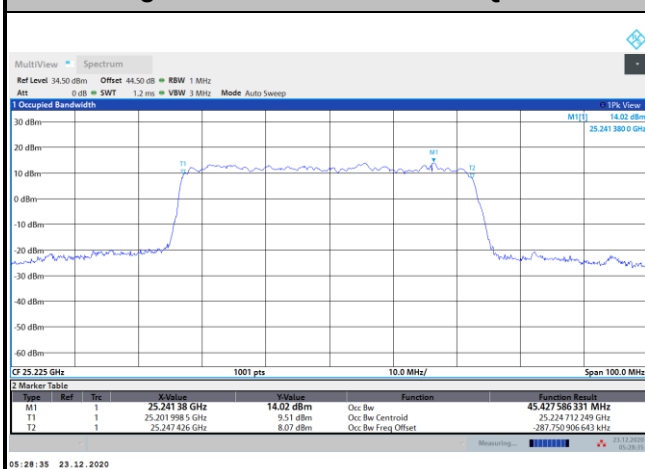
## Middle Channel / 50MHz / 16QAM



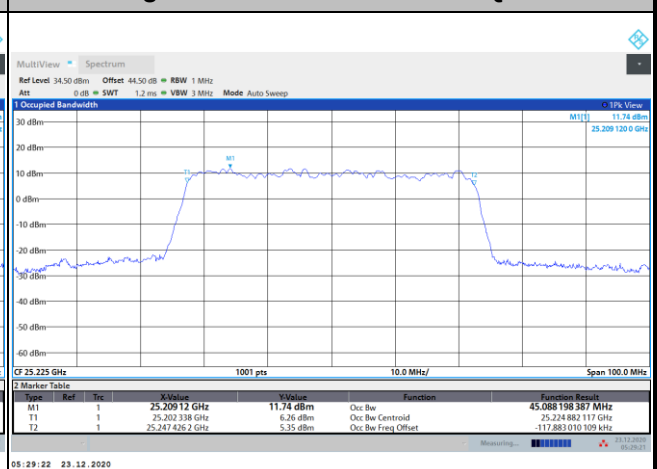
## Middle Channel / 50MHz / 64QAM



## Highest Channel / 50MHz / 16QAM



## Highest Channel / 50MHz / 64QAM

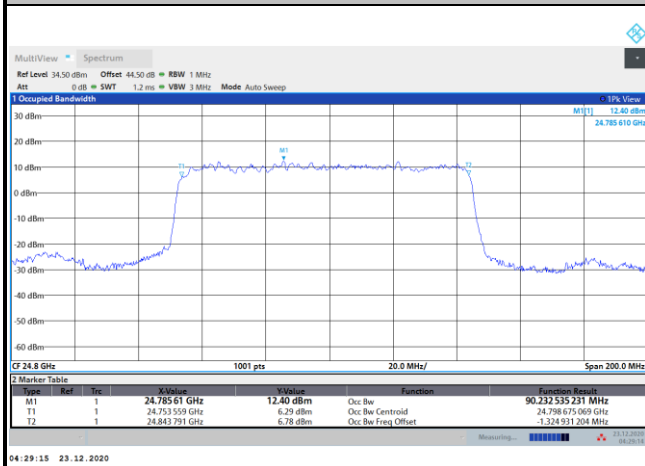




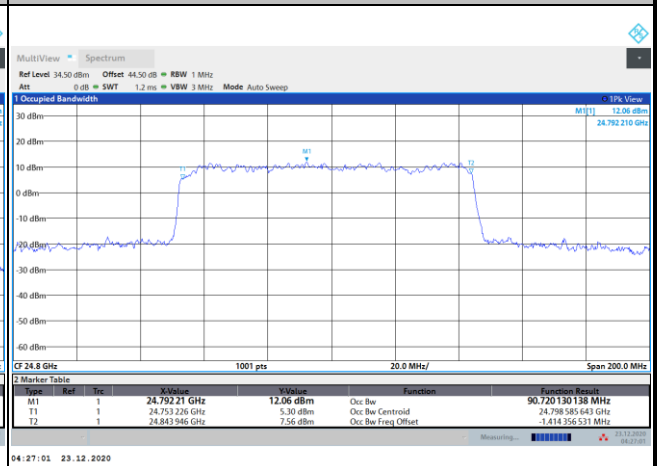
## DFT-s-OFDM Module 0

## NR Band n258B

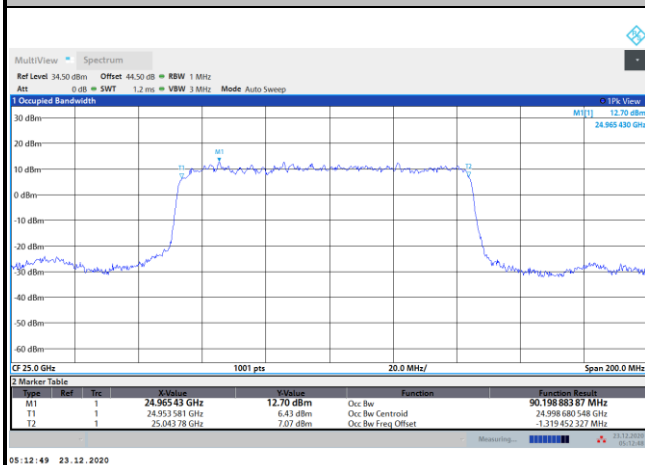
## Lowest Channel / 100MHz / BPSK



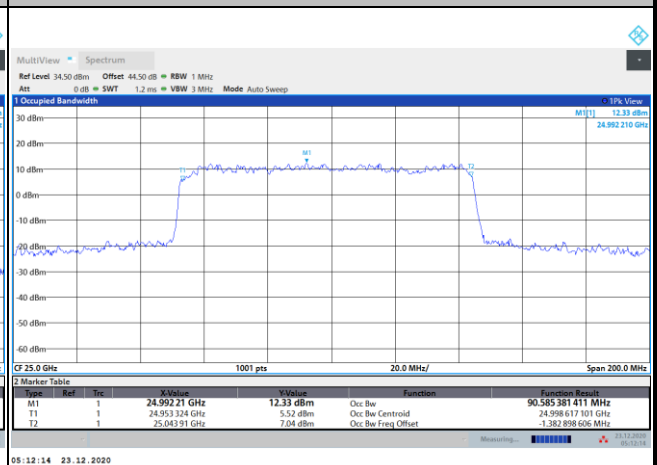
## Lowest Channel / 100MHz / QPSK



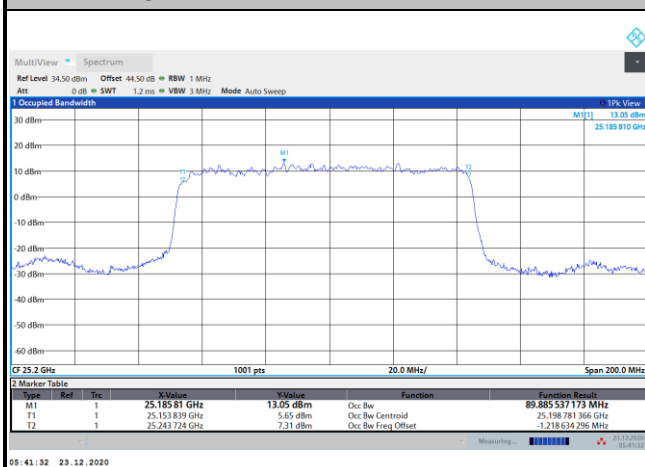
## Middle Channel / 100MHz / BPSK



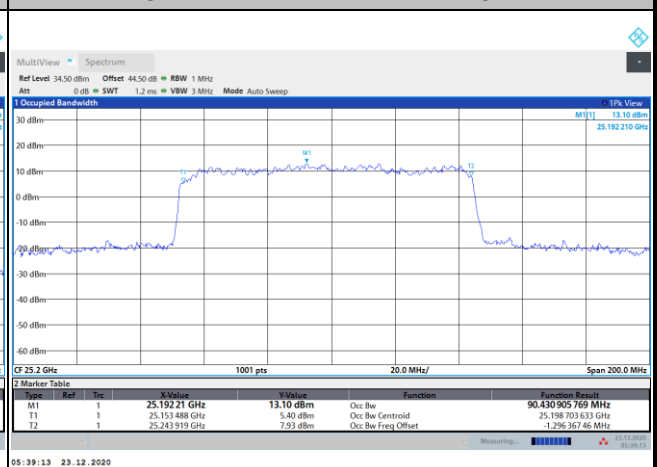
## Middle Channel / 100MHz / QPSK



## Highest Channel / 100MHz / BPSK



## Highest Channel / 100MHz / QPSK

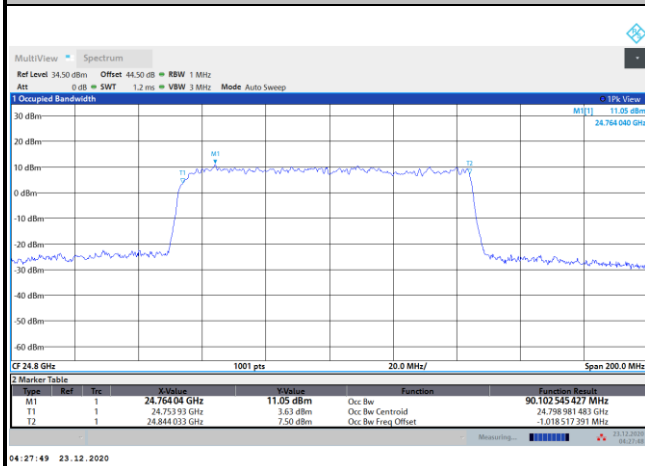




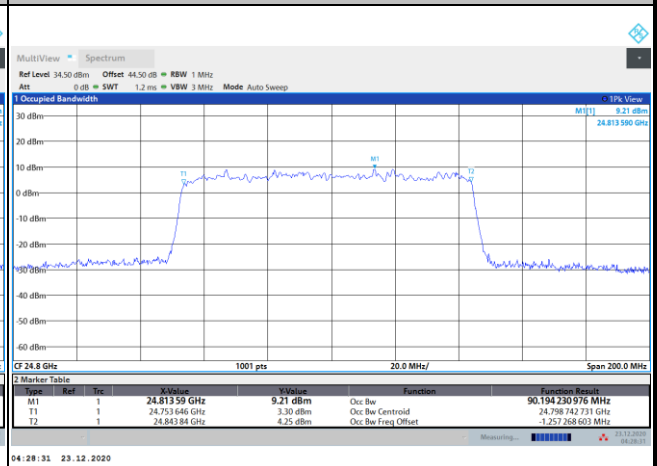
## DFT-s-OFDM Module 0

## NR Band n258B

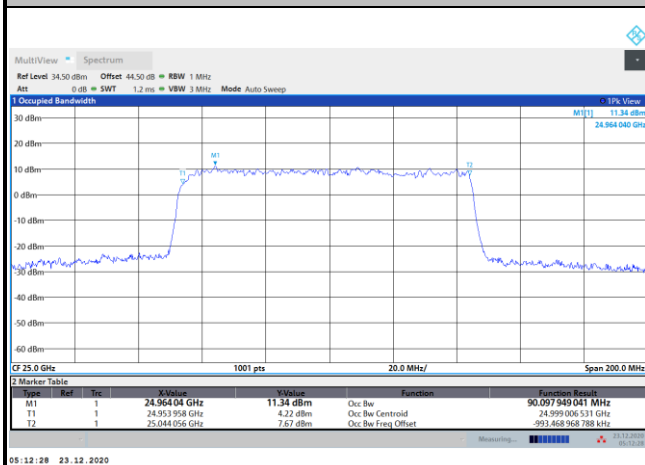
## Lowest Channel / 100MHz / 16QAM



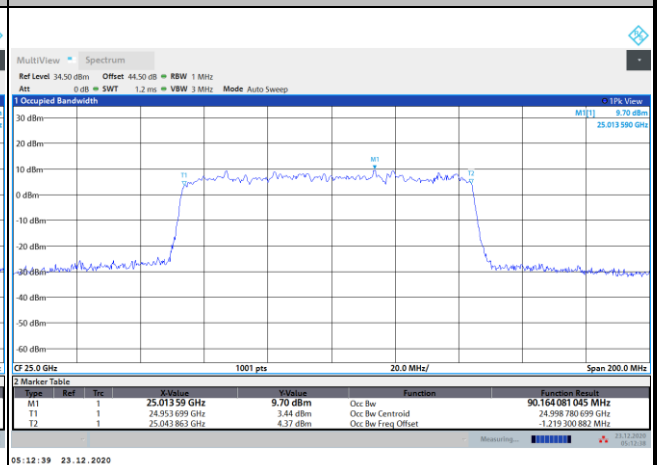
## Lowest Channel / 100MHz / 64QAM



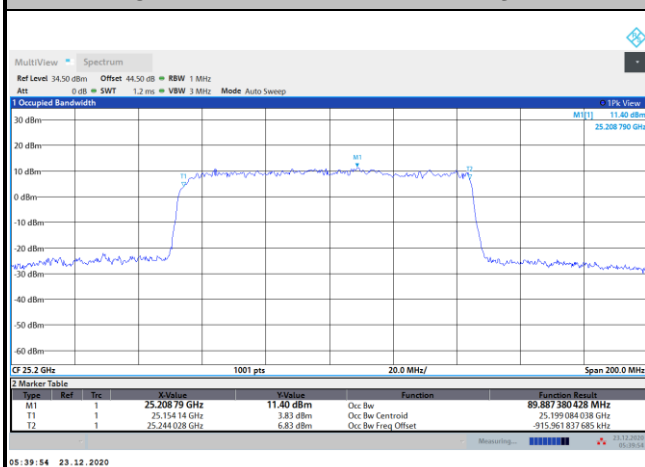
## Middle Channel / 100MHz / 16QAM



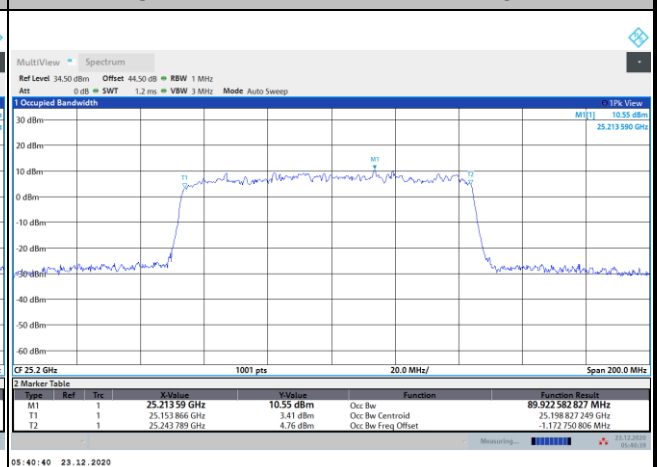
## Middle Channel / 100MHz / 64QAM



## Highest Channel / 100MHz / 16QAM



## Highest Channel / 100MHz / 64QAM

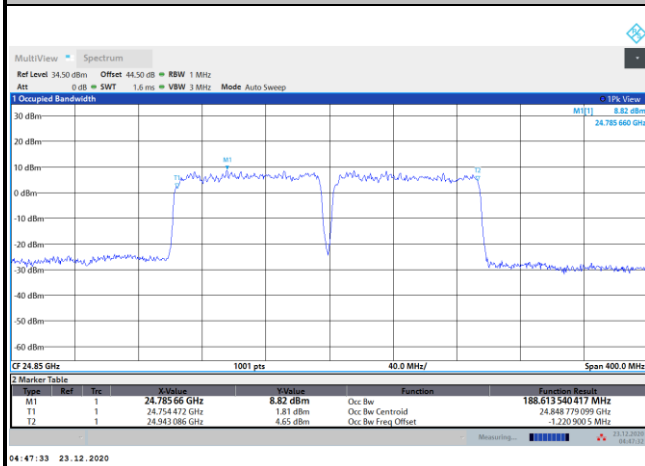




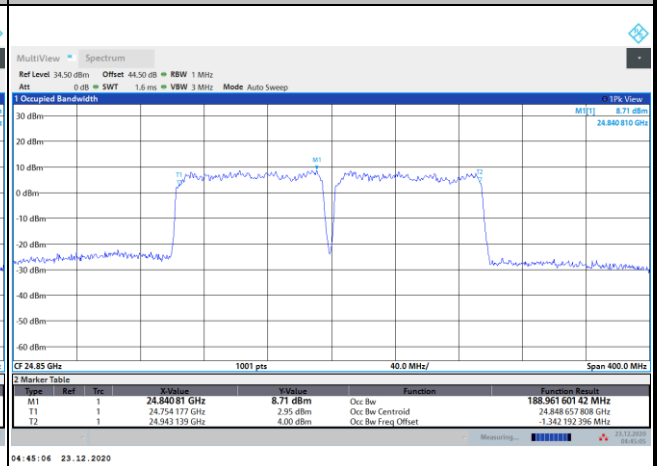
## DFT-s-OFDM Module 0

## NR Band n258B

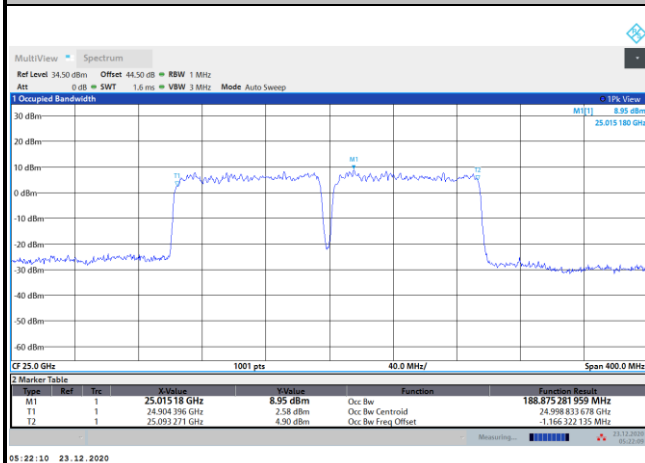
## Lowest Channel / 200MHz / BPSK



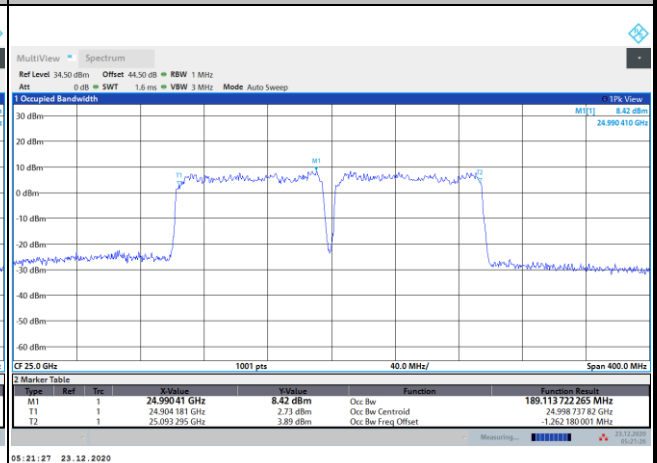
## Lowest Channel / 200MHz / QPSK



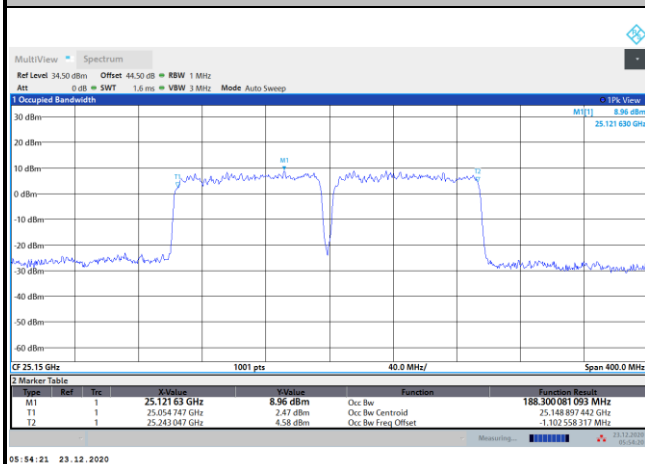
## Middle Channel / 200MHz / BPSK



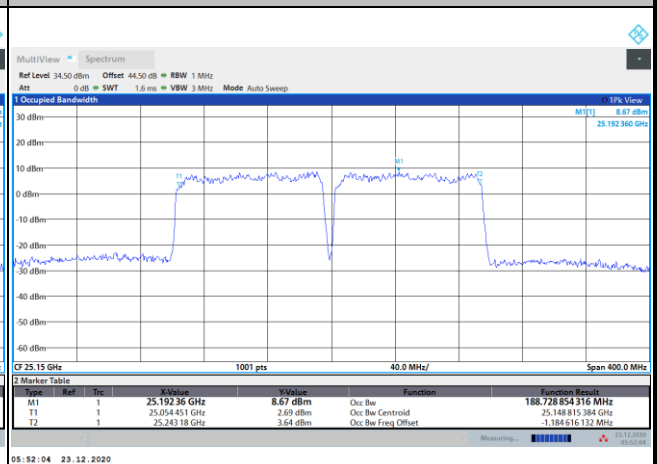
## Middle Channel / 200MHz / QPSK



## Highest Channel / 200MHz / BPSK



## Highest Channel / 200MHz / QPSK

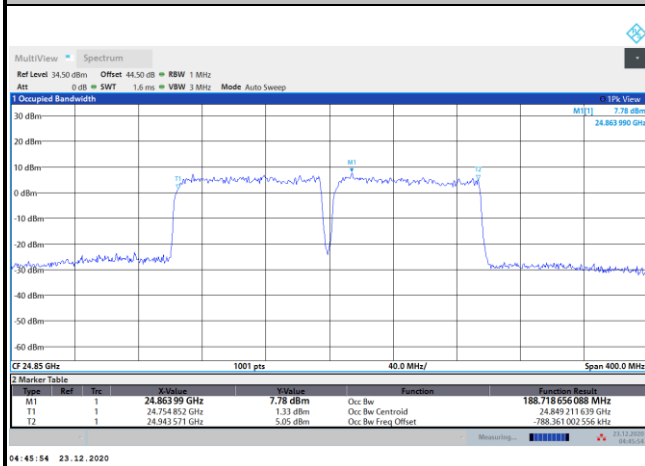




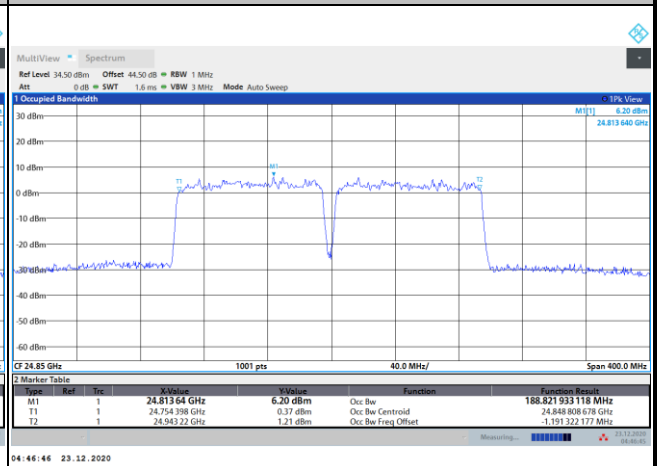
## DFT-s-OFDM Module 0

## NR Band n258B

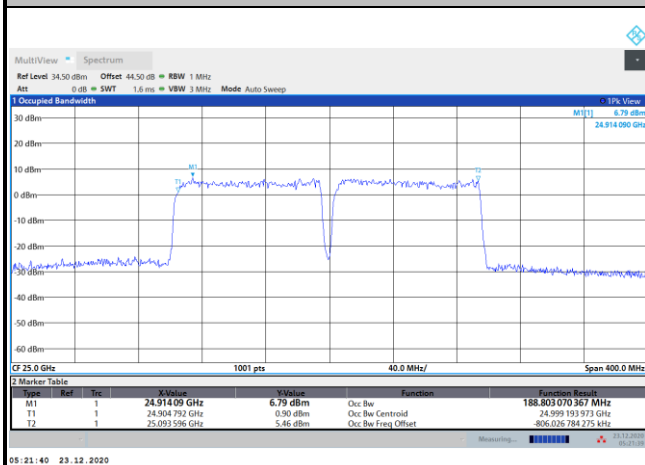
## Lowest Channel / 200MHz / 16QAM



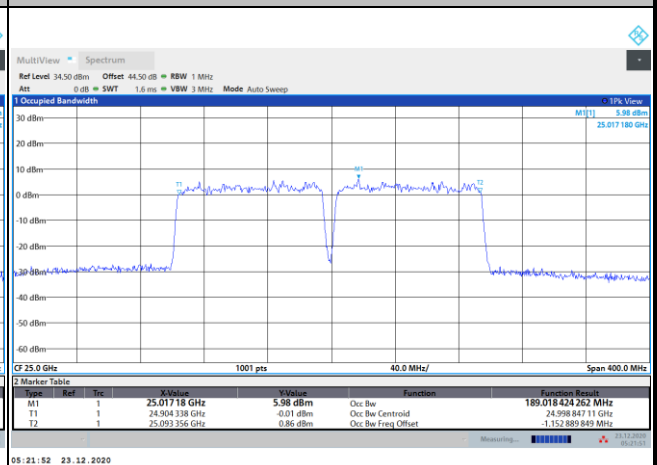
## Lowest Channel / 200MHz / 64QAM



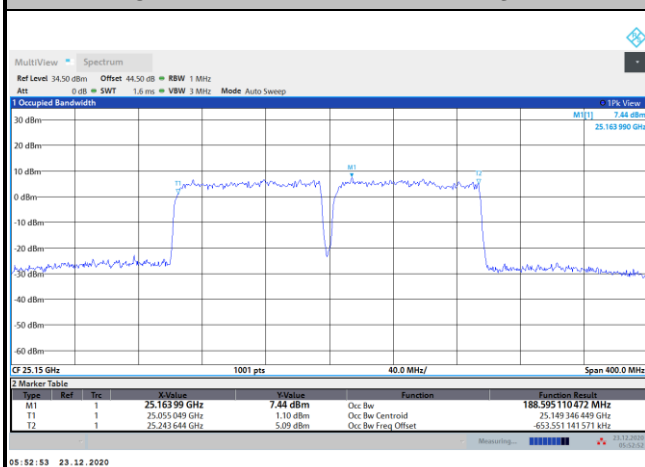
## Middle Channel / 200MHz / 16QAM



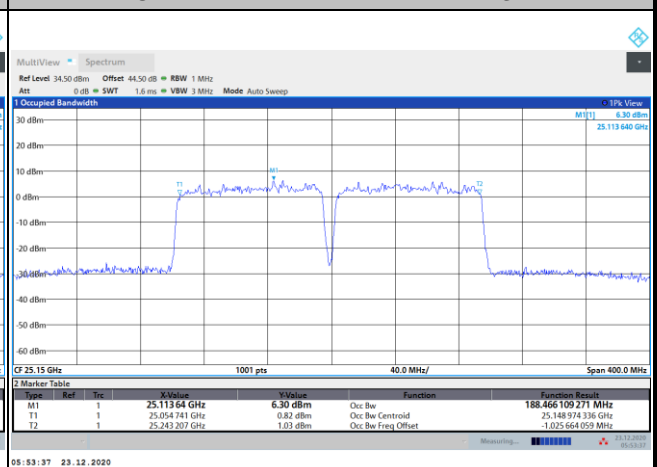
## Middle Channel / 200MHz / 64QAM



## Highest Channel / 200MHz / 16QAM



## Highest Channel / 200MHz / 64QAM



**AG1**

| Mode       | DFT-s-OFDM Module 0 NR Band n258B : 99%OBW(MHz) |       |       |       |        |       |       |       |        |        |        |        |
|------------|-------------------------------------------------|-------|-------|-------|--------|-------|-------|-------|--------|--------|--------|--------|
| BW         | 50MHz                                           |       |       |       | 100MHz |       |       |       | 200MHz |        |        |        |
| Mod.       | BPSK                                            | QPSK  | 16QAM | 64QAM | BPSK   | QPSK  | 16QAM | 64QAM | BPSK   | QPSK   | 16QAM  | 64QAM  |
| Lowest CH  | 45.26                                           | 45.15 | 45.15 | 45.25 | 90.28  | 90.14 | 90.33 | 90.12 | 188.66 | 188.82 | 189.04 | 188.48 |
| Middle CH  | 45.26                                           | 45.13 | 45.15 | 45.24 | 90.35  | 90.32 | 90.44 | 90.23 | 188.91 | 188.99 | 189.30 | 188.83 |
| Highest CH | 45.25                                           | 45.13 | 45.15 | 45.26 | 90.19  | 90.17 | 90.20 | 90.03 | 188.82 | 189.02 | 189.17 | 188.70 |



### Lowest Channel / 50MHz / BPSK

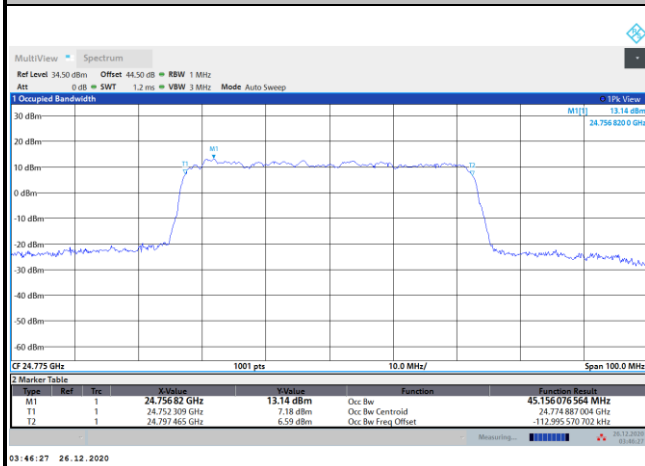




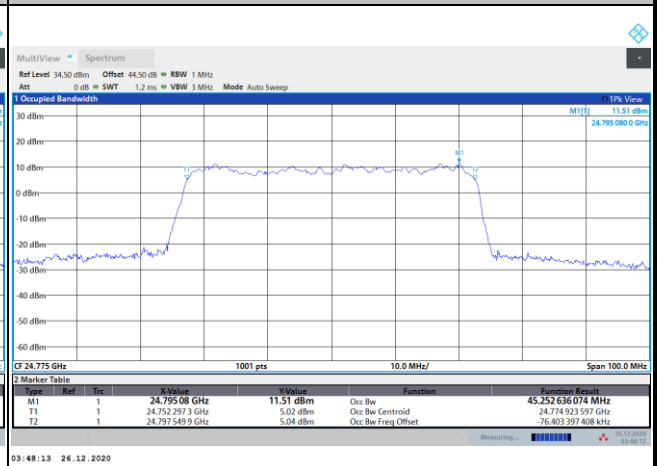
## DFT-s-OFDM Module 0

## NR Band n258B

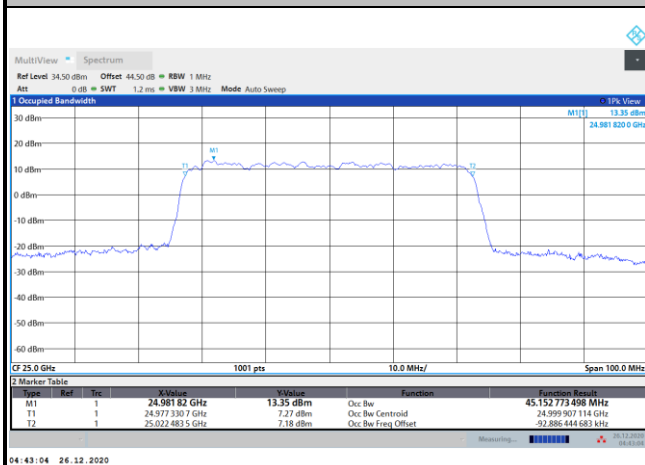
## Lowest Channel / 50MHz / 16QAM



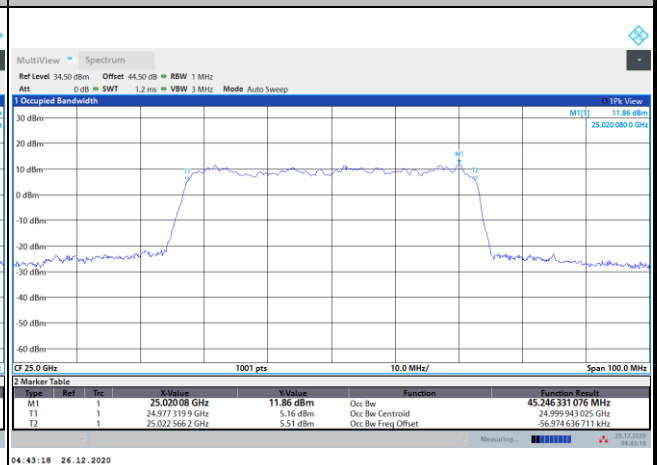
## Lowest Channel / 50MHz / 64QAM



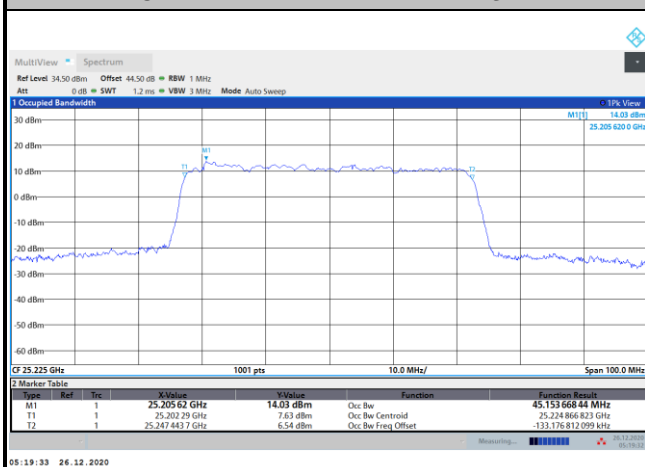
## Middle Channel / 50MHz / 16QAM



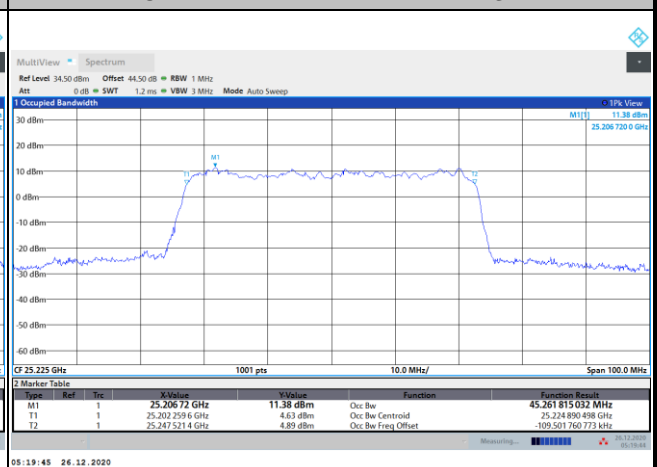
## Middle Channel / 50MHz / 64QAM



## Highest Channel / 50MHz / 16QAM



## Highest Channel / 50MHz / 64QAM

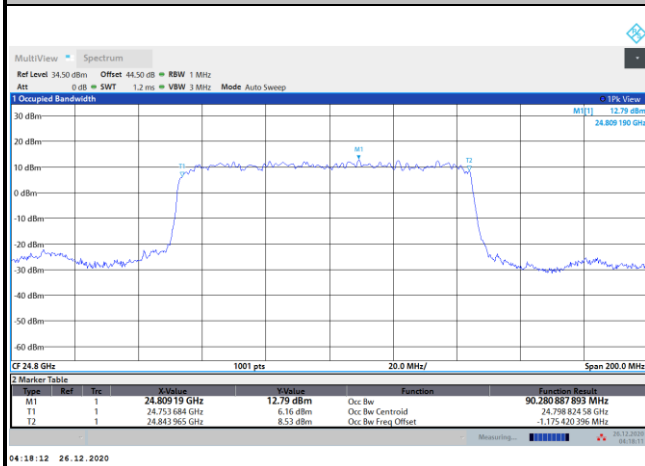




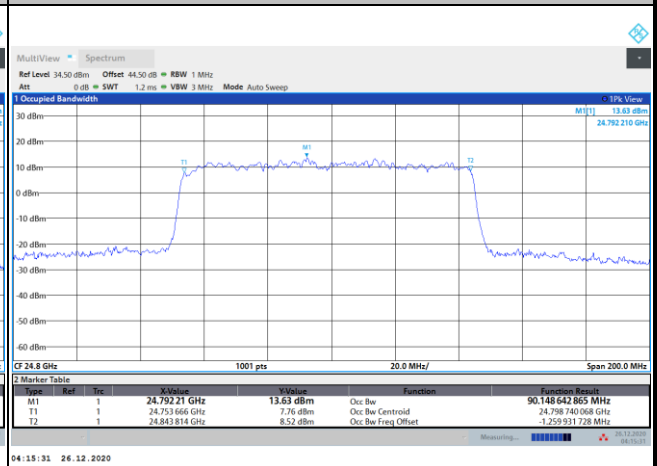
## DFT-s-OFDM Module 0

## NR Band n258B

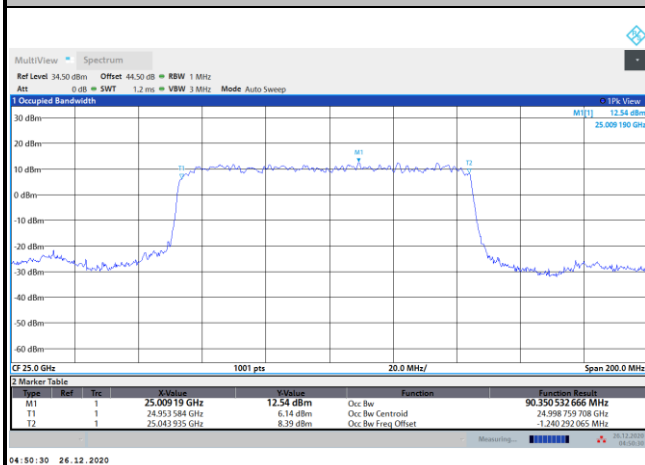
## Lowest Channel / 100MHz / BPSK



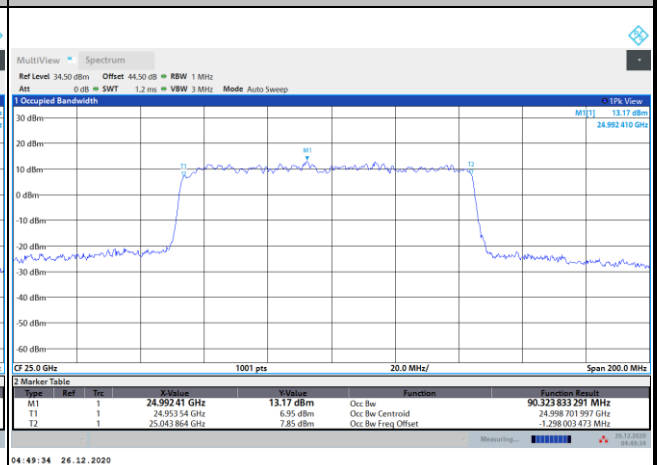
## Lowest Channel / 100MHz / QPSK



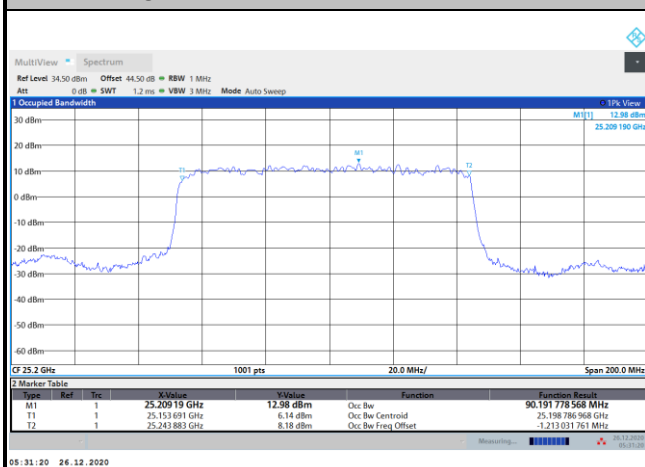
## Middle Channel / 100MHz / BPSK



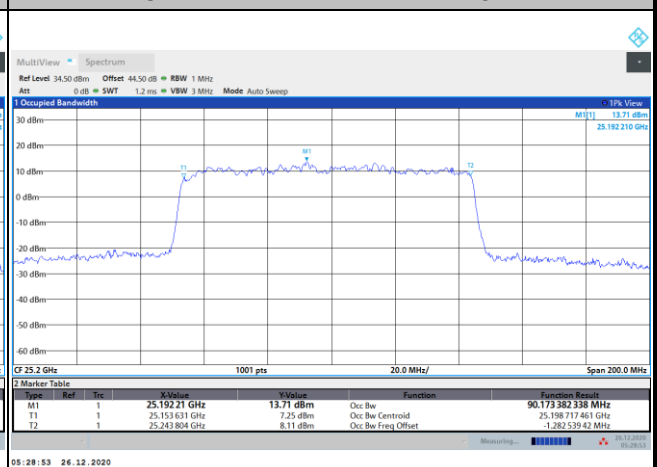
## Middle Channel / 100MHz / QPSK



## Highest Channel / 100MHz / BPSK



## Highest Channel / 100MHz / QPSK

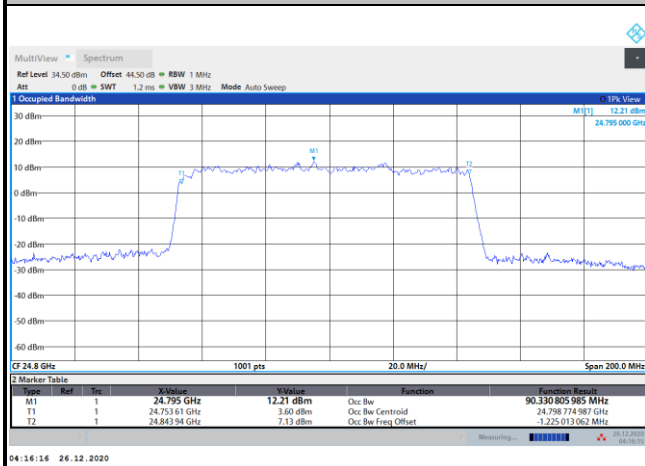




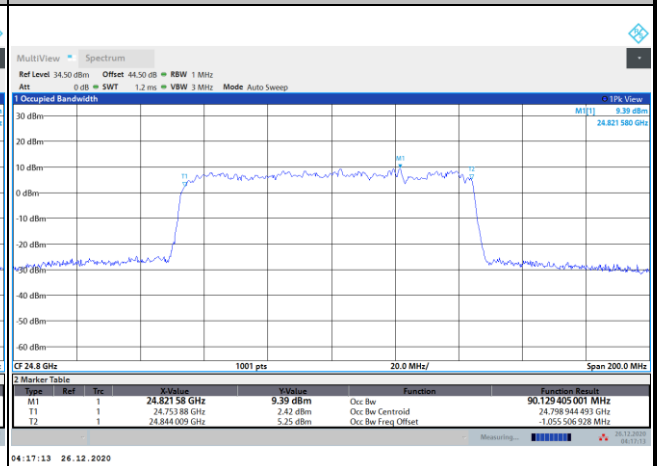
## DFT-s-OFDM Module 0

## NR Band n258B

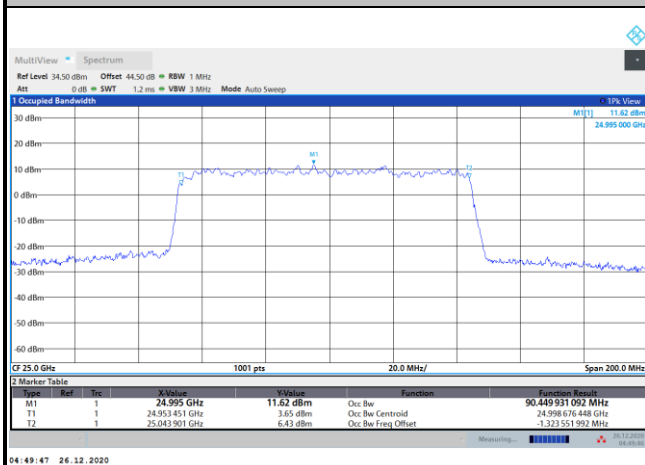
## Lowest Channel / 100MHz / 16QAM



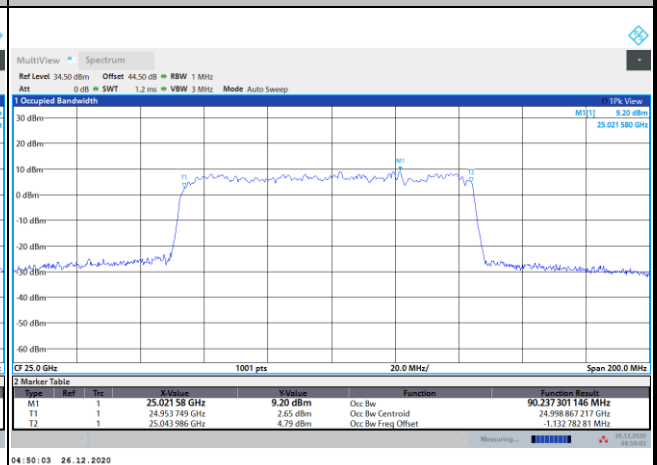
## Lowest Channel / 100MHz / 64QAM



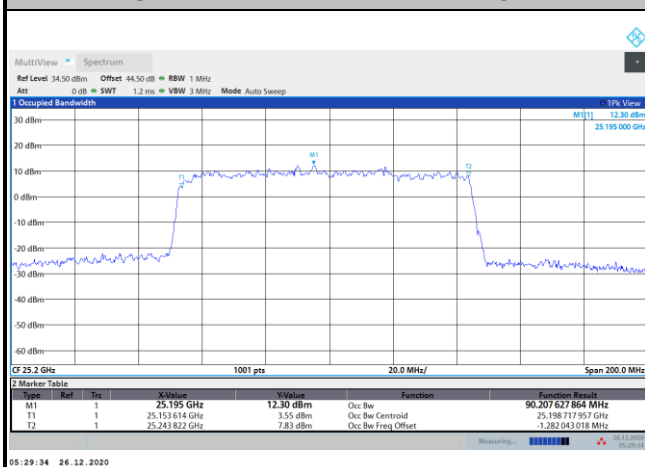
## Middle Channel / 100MHz / 16QAM



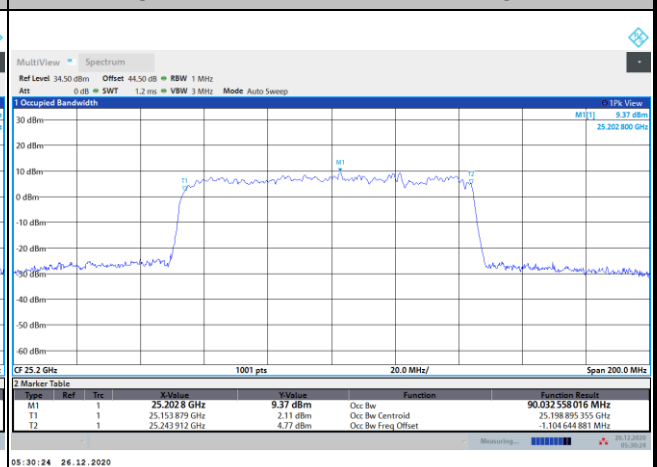
## Middle Channel / 100MHz / 64QAM



## Highest Channel / 100MHz / 16QAM



## Highest Channel / 100MHz / 64QAM

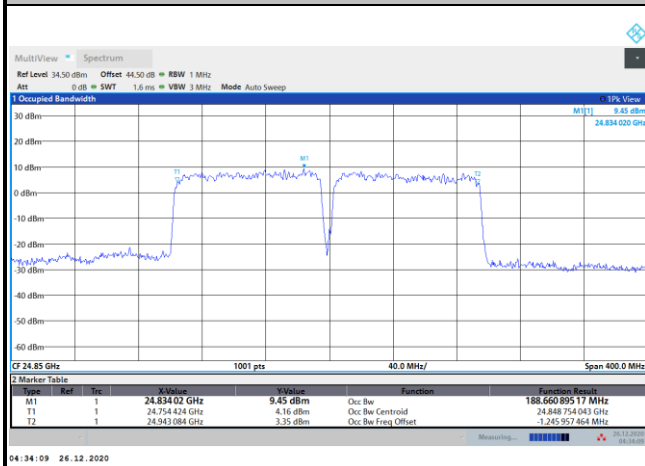




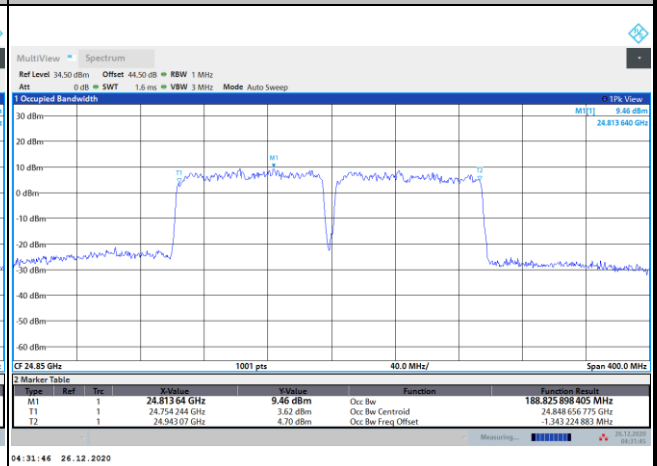
## DFT-s-OFDM Module 0

## NR Band n258B

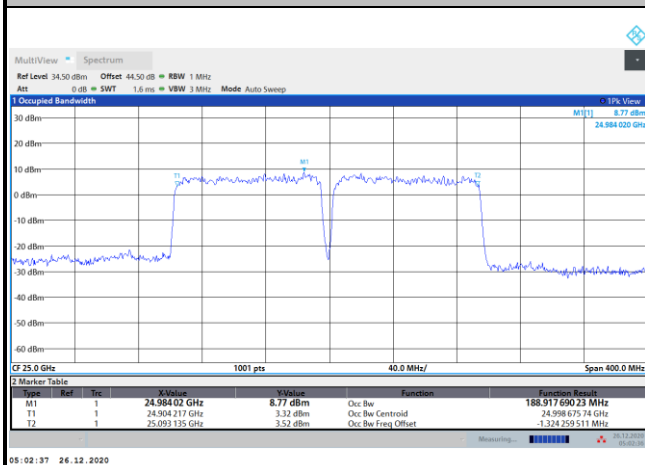
## Lowest Channel / 200MHz / BPSK



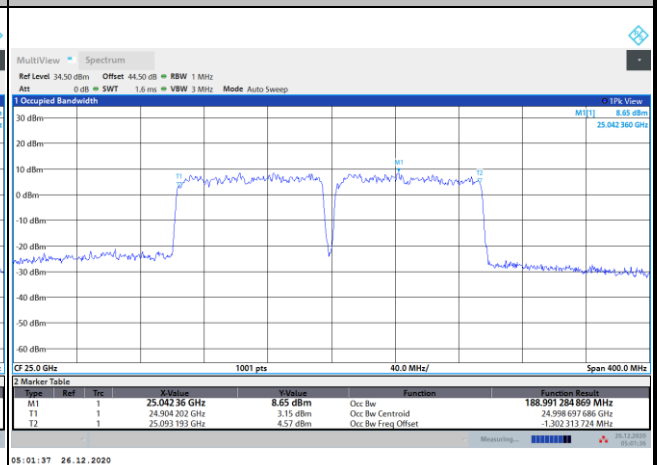
## Lowest Channel / 200MHz / QPSK



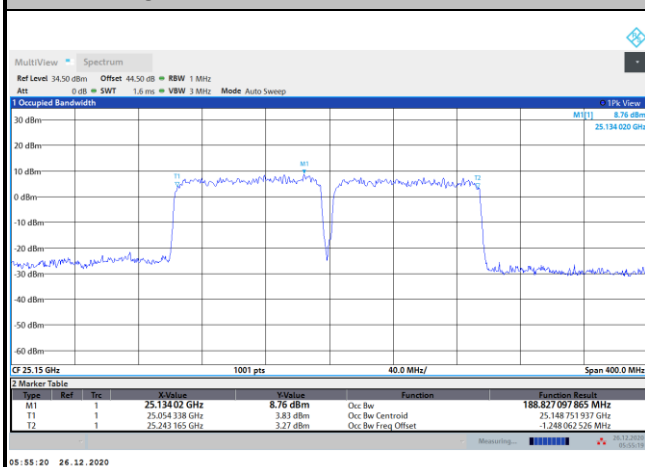
## Middle Channel / 200MHz / BPSK



## Middle Channel / 200MHz / QPSK



## Highest Channel / 200MHz / BPSK



## Highest Channel / 200MHz / QPSK

