

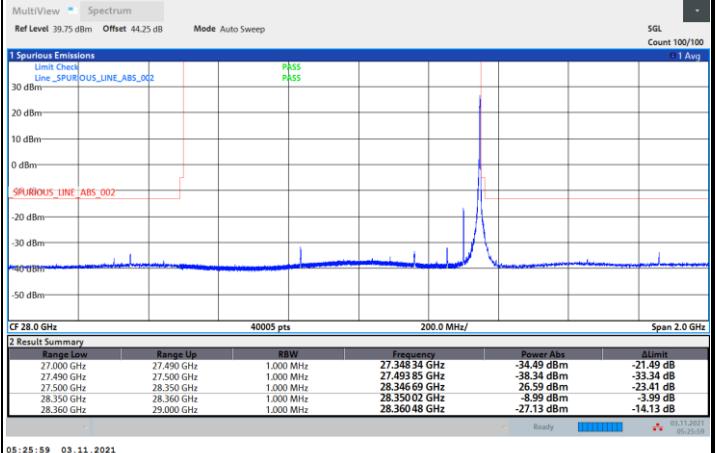
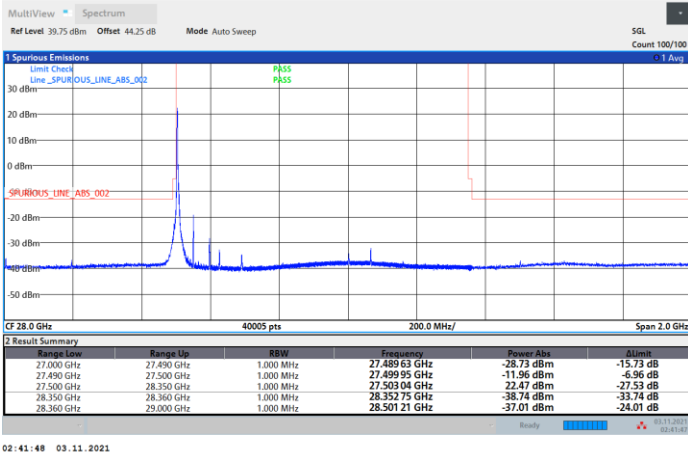


DFT-s-OFDM Module 0

NR Band n261 / 100MHz / 16QAM

Lowest Band Edge / 1 RB

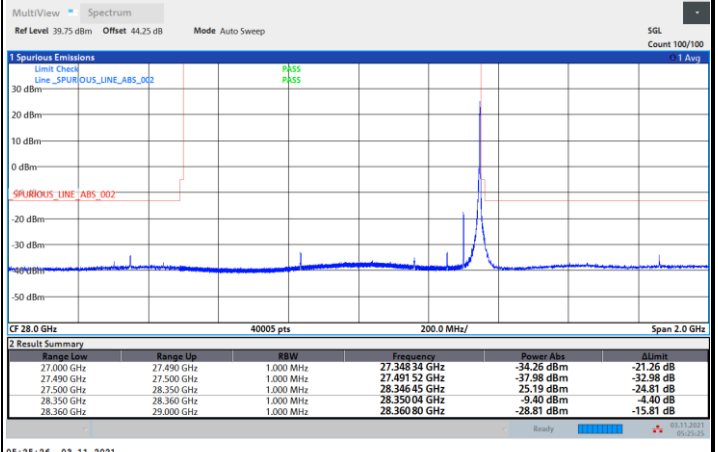
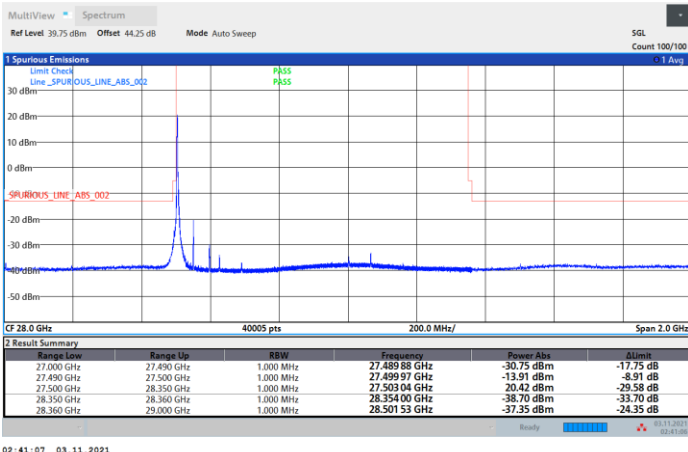
Highest Band Edge / 1 RB



NR Band n261 / 100MHz / 64QAM

Lowest Band Edge / 1 RB

Highest Band Edge / 1 RB



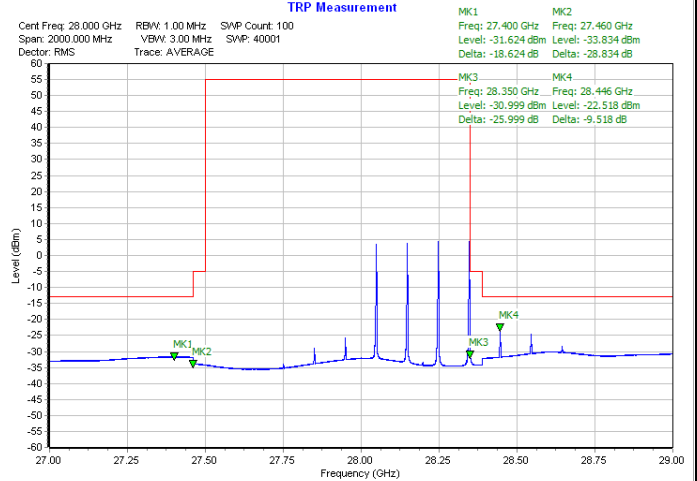
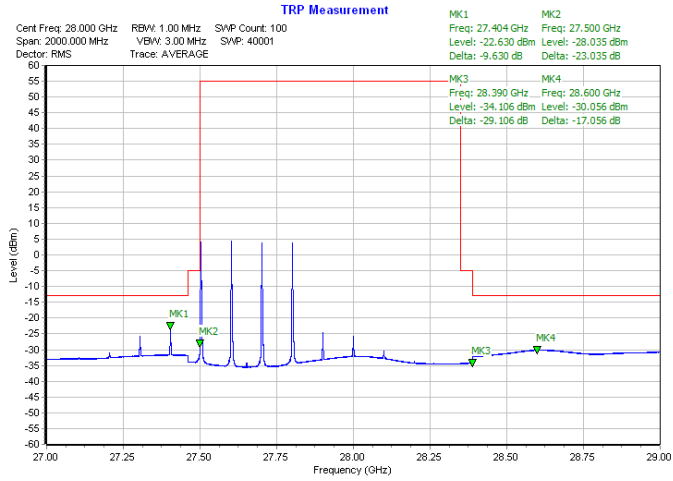


DFT-s-OFDM Module 0

NR Band n261 / 400MHz / QPSK

Lowest Band Edge / 1 RB

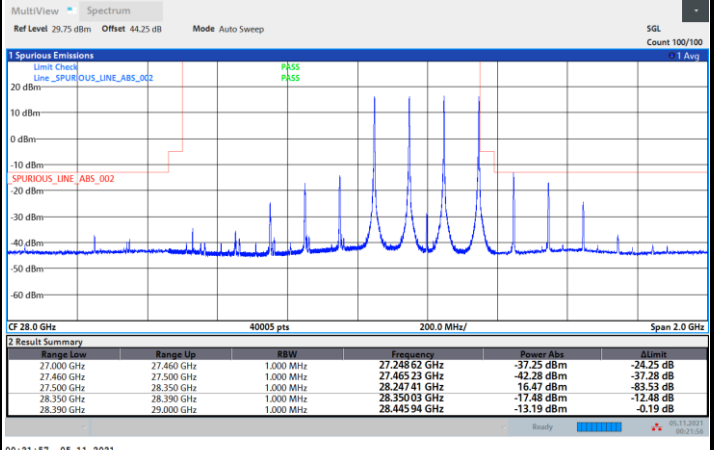
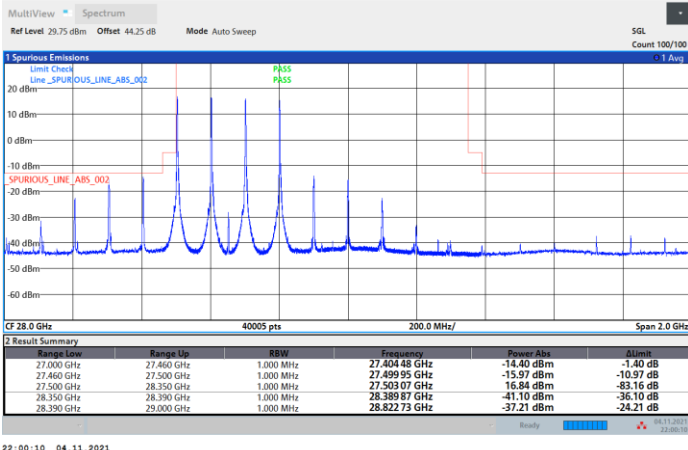
Highest Band Edge / 1 RB



NR Band n261 / 400MHz / 16QAM

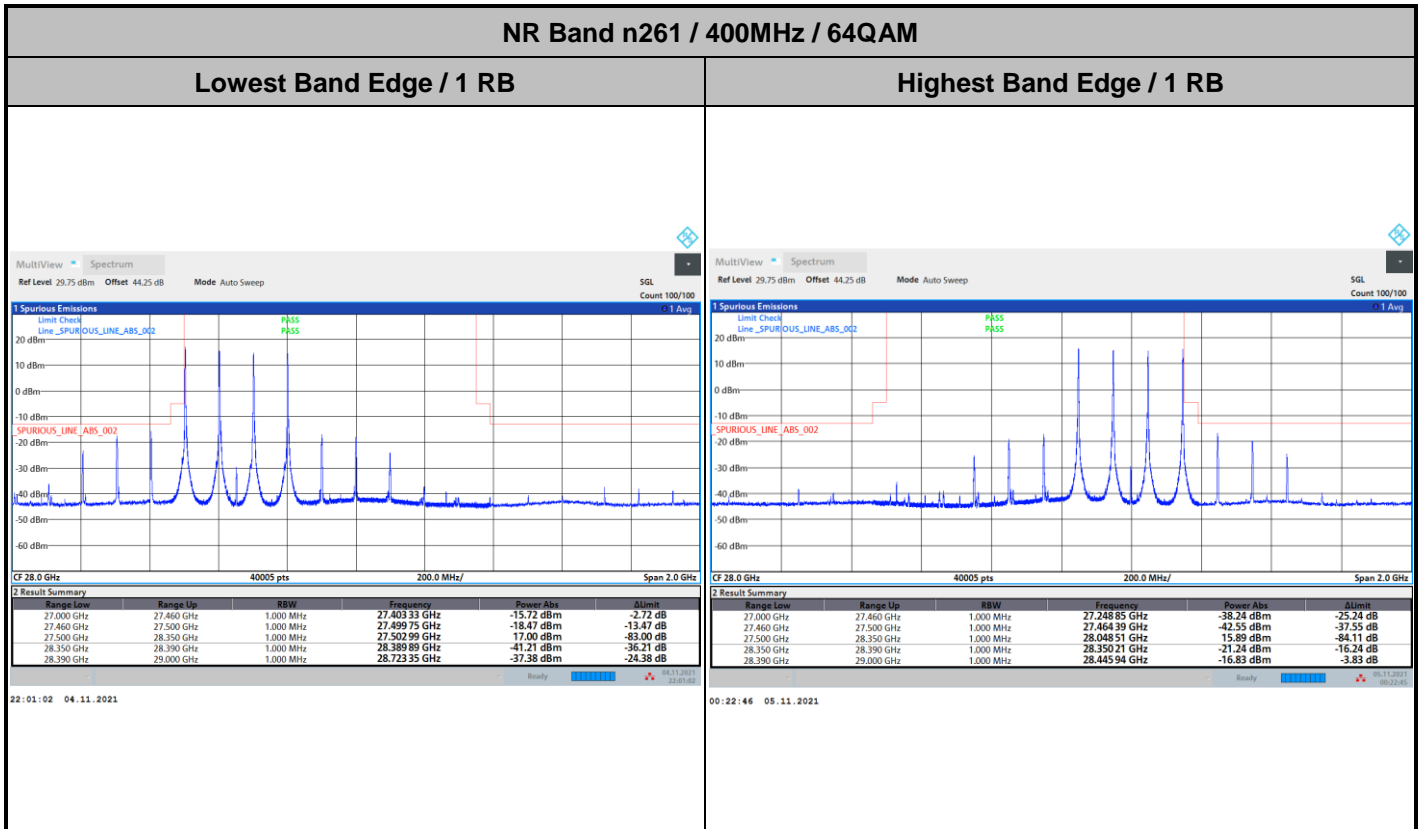
Lowest Band Edge / 1 RB

Highest Band Edge / 1 RB





DFT-s-OFDM Module 0



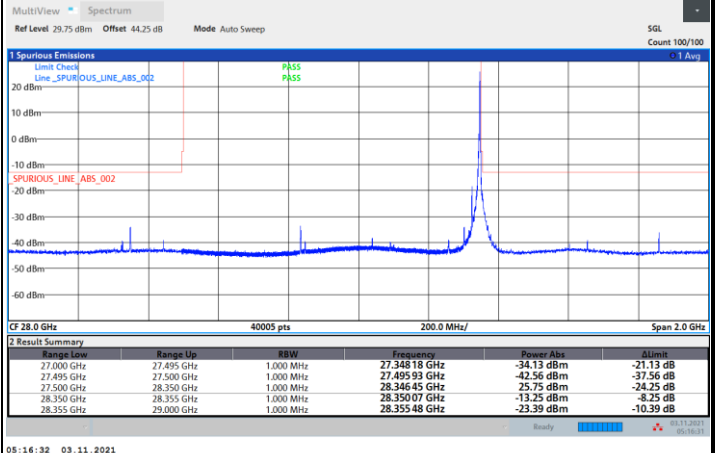
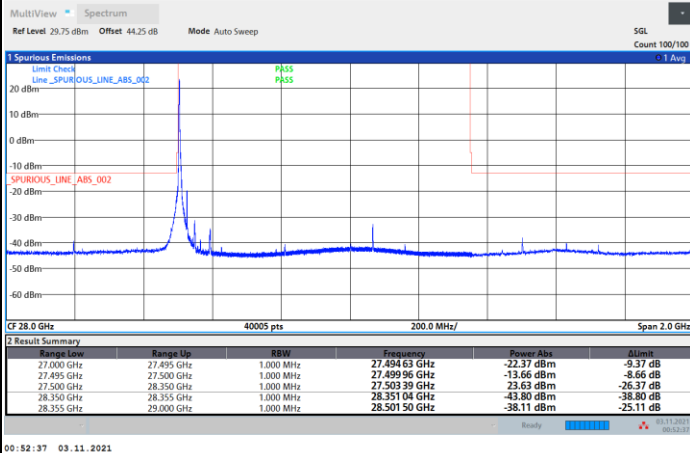


CP-OFDM Module 0

NR Band n261 / 50MHz / QPSK

Lowest Band Edge / 1 RB

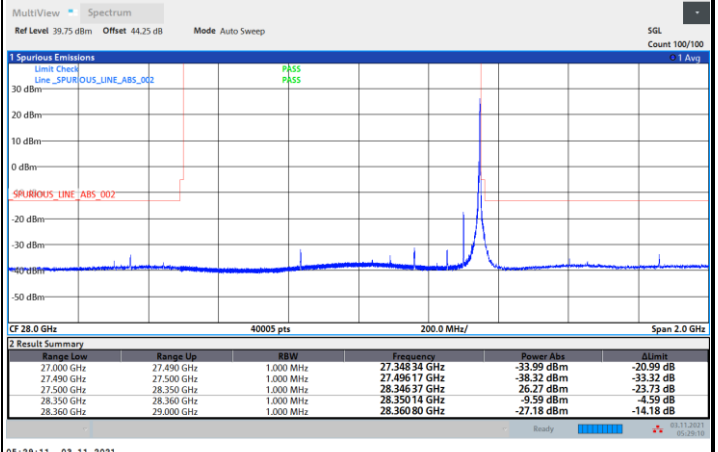
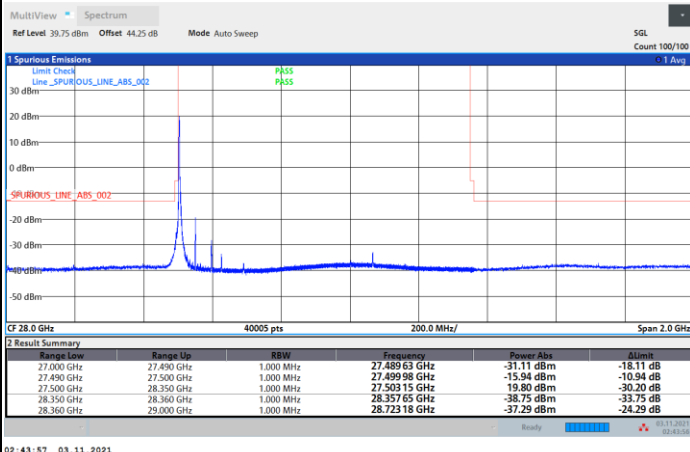
Highest Band Edge / 1 RB



NR Band n261 / 100MHz / QPSK

Lowest Band Edge / 1 RB

Highest Band Edge / 1 RB



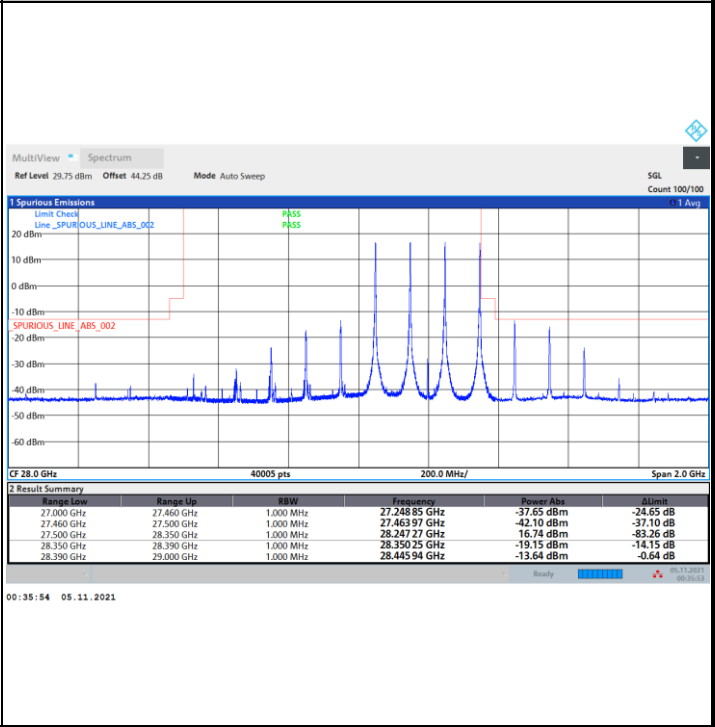
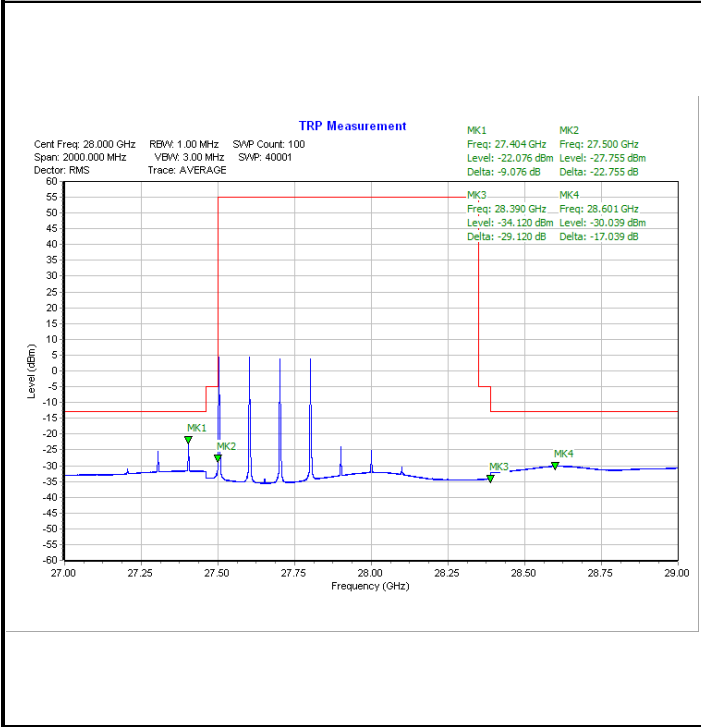


CP-OFDM Module 0

NR Band n261 / 400MHz / QPSK

Lowest Band Edge / 1 RB

Highest Band Edge / 1 RB

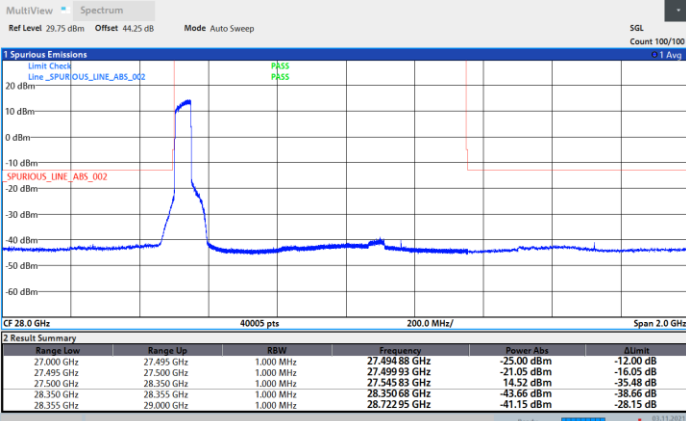




DFT-s-OFDM Module 0

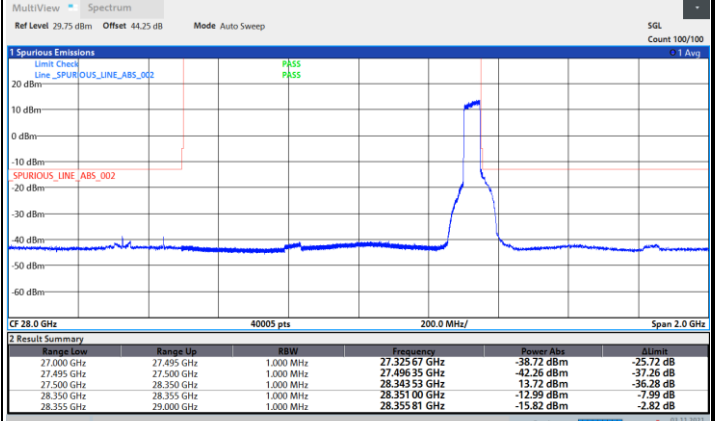
NR Band n261 / 50MHz / QPSK

Lowest Band Edge / Full RB



00:50:36 03.11.2021

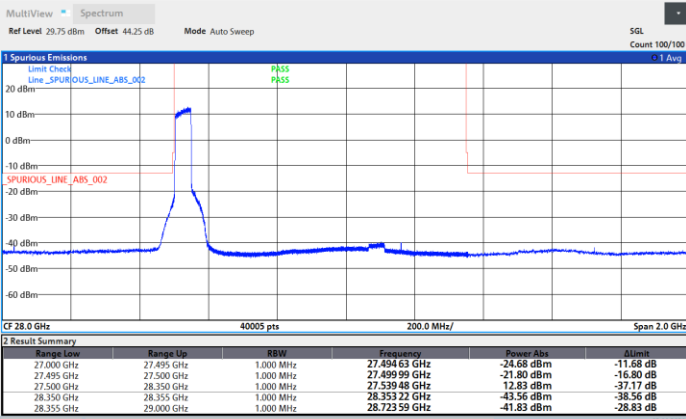
Highest Band Edge / Full RB



05:10:39 03.11.2021

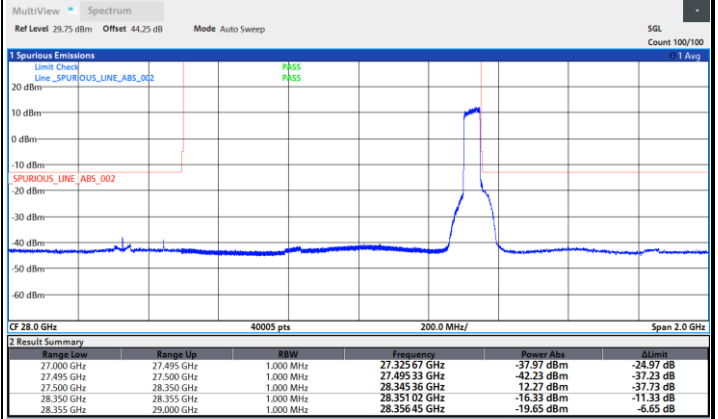
NR Band n261 / 50MHz / 16QAM

Lowest Band Edge / Full RB



00:24:35 03.11.2021

Highest Band Edge / Full RB



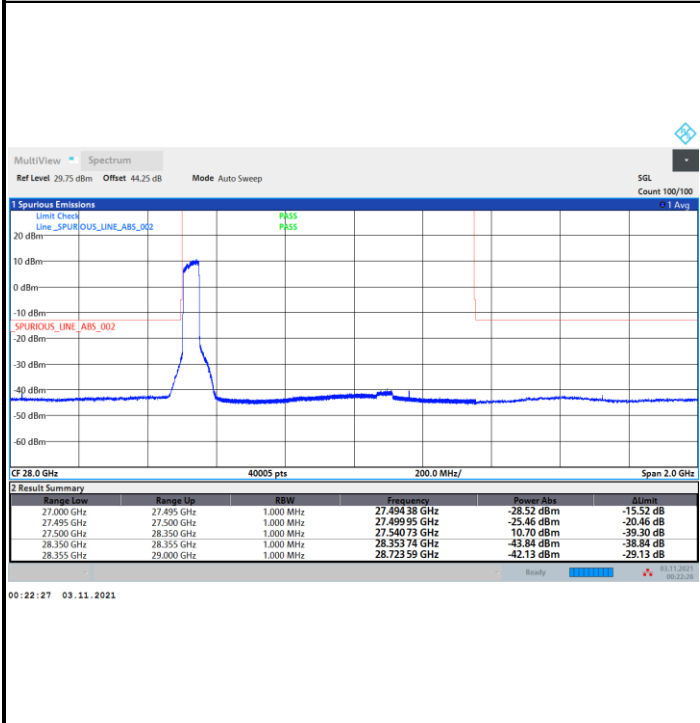
05:11:27 03.11.2021



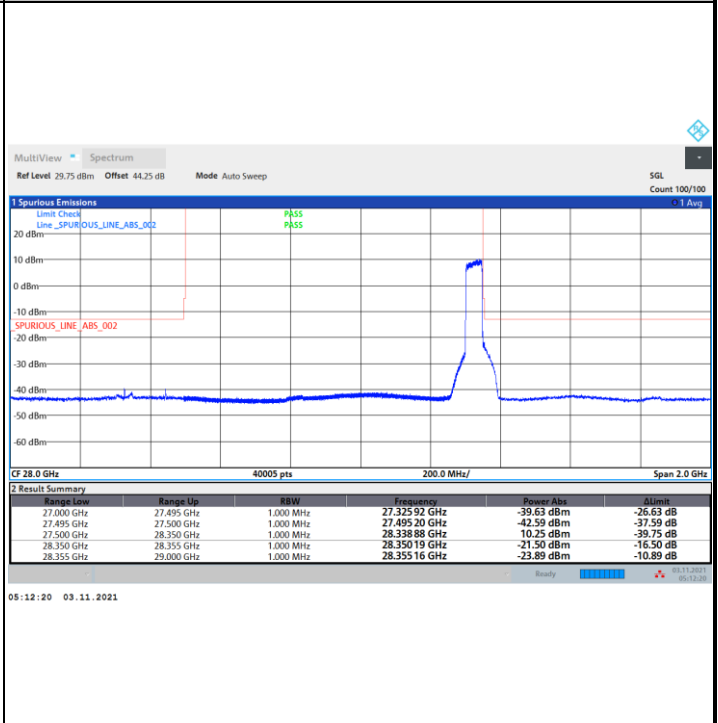
DFT-s-OFDM Module 0

NR Band n261 / 50MHz / 64QAM

Lowest Band Edge / Full RB

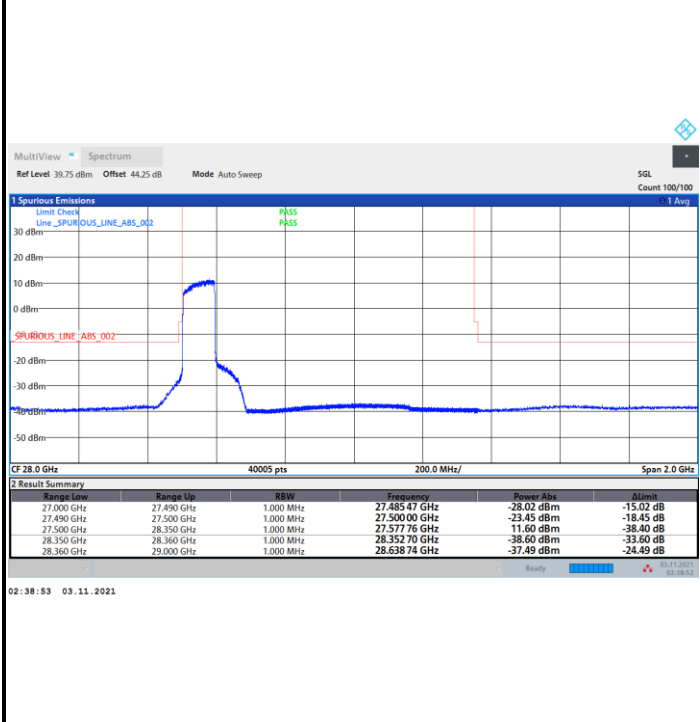


Highest Band Edge / Full RB

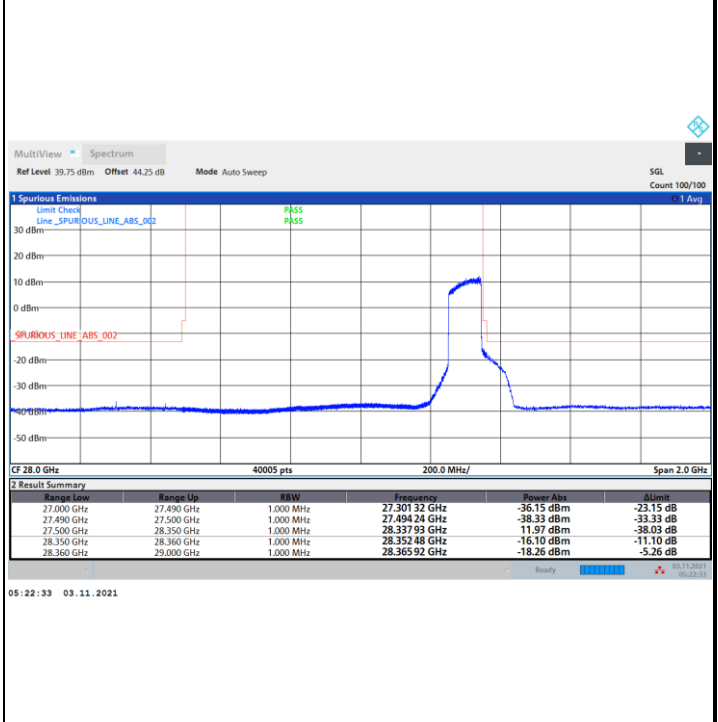


NR Band n261 / 100MHz / QPSK

Lowest Band Edge / Full RB



Highest Band Edge / Full RB

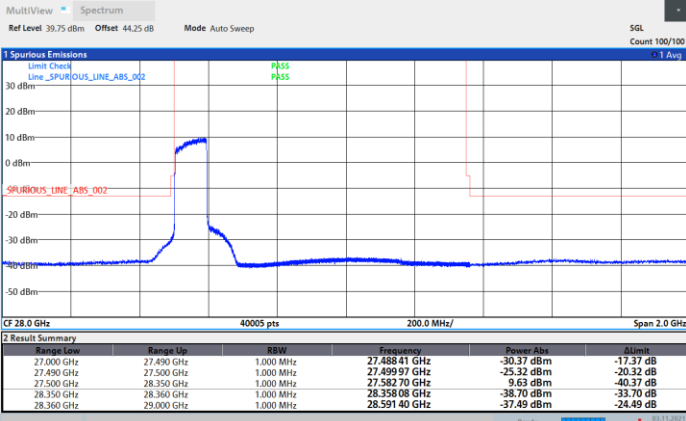




DFT-s-OFDM Module 0

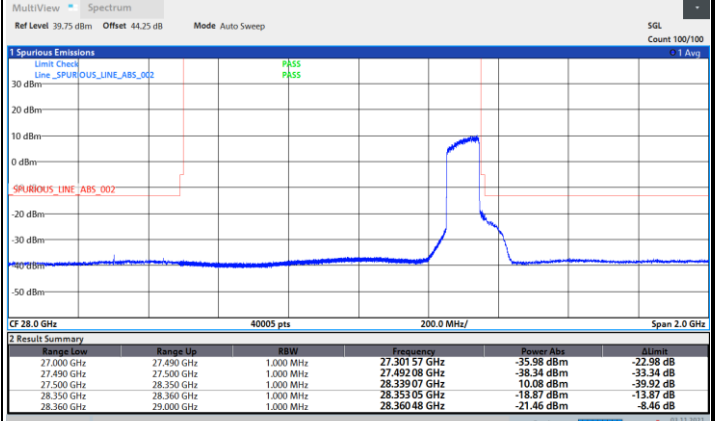
NR Band n261 / 100MHz / 16QAM

Lowest Band Edge / Full RB



02:39:46 03.11.2021

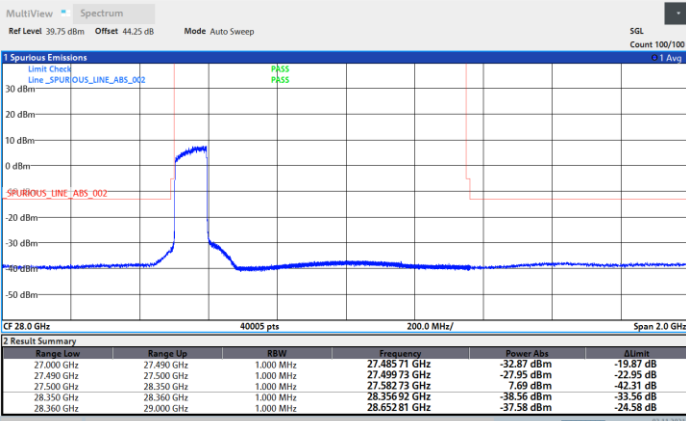
Highest Band Edge / Full RB



05:23:24 03.11.2021

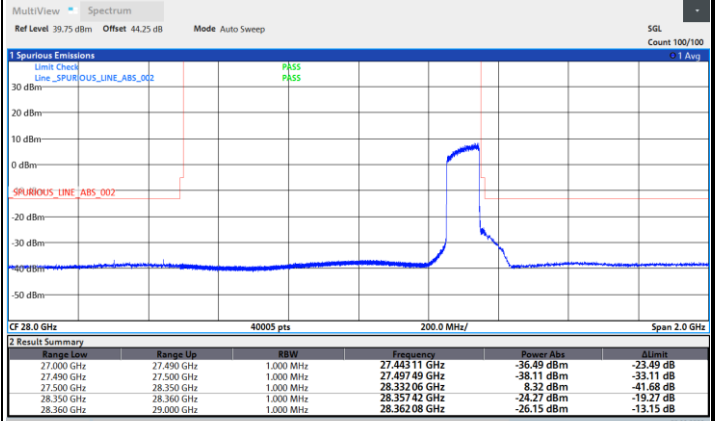
NR Band n261 / 100MHz / 64QAM

Lowest Band Edge / Full RB



02:40:30 03.11.2021

Highest Band Edge / Full RB



05:24:31 03.11.2021

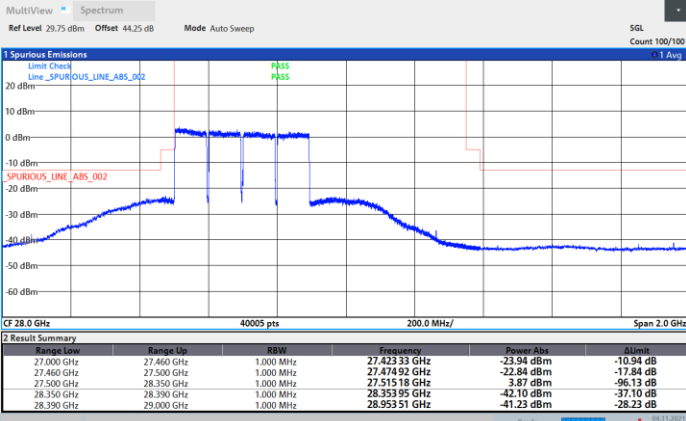




DFT-s-OFDM Module 0

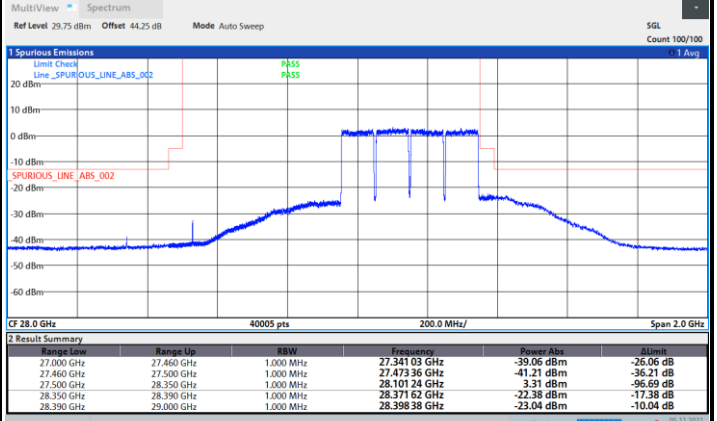
NR Band n261 / 400MHz / QPSK

Lowest Band Edge / Full RB



22:05:54 04.11.2021

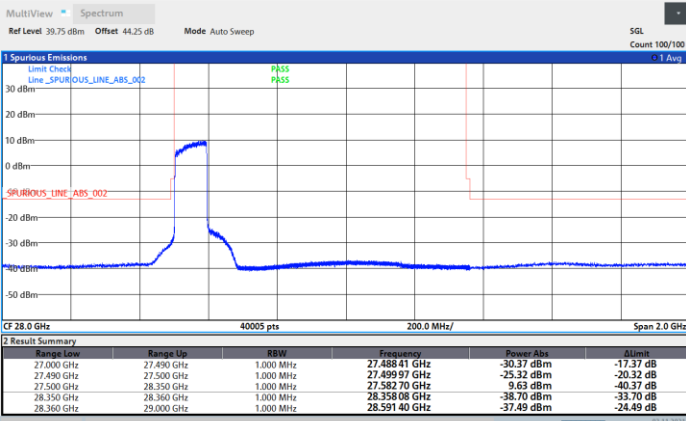
Highest Band Edge / Full RB



00:26:02 05.11.2021

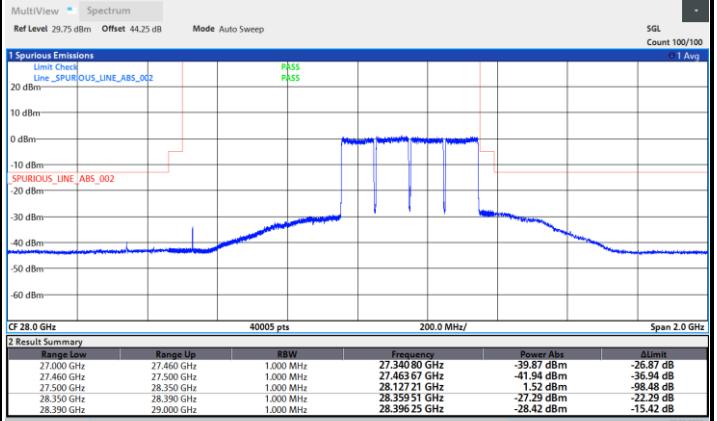
NR Band n261 / 400MHz / 16QAM

Lowest Band Edge / Full RB



02:39:46 03.11.2021

Highest Band Edge / Full RB



00:24:52 05.11.2021

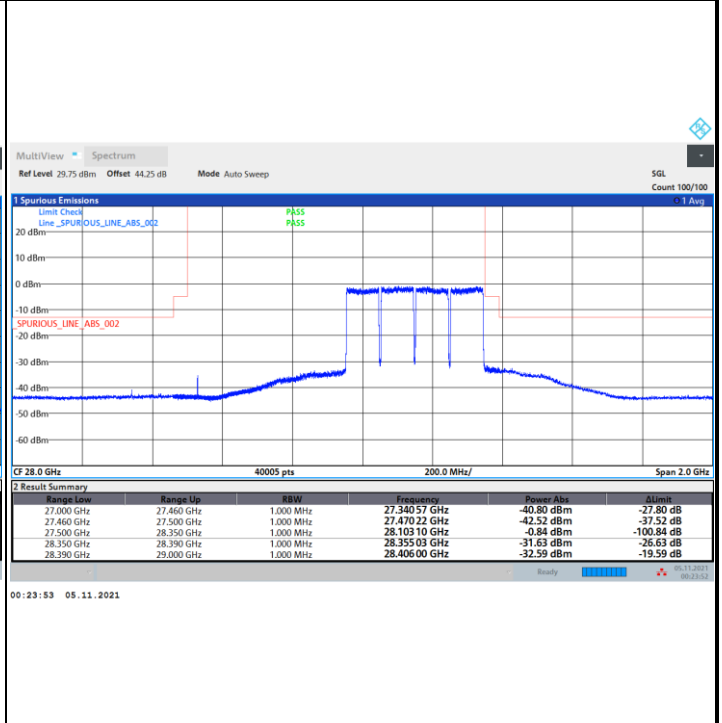
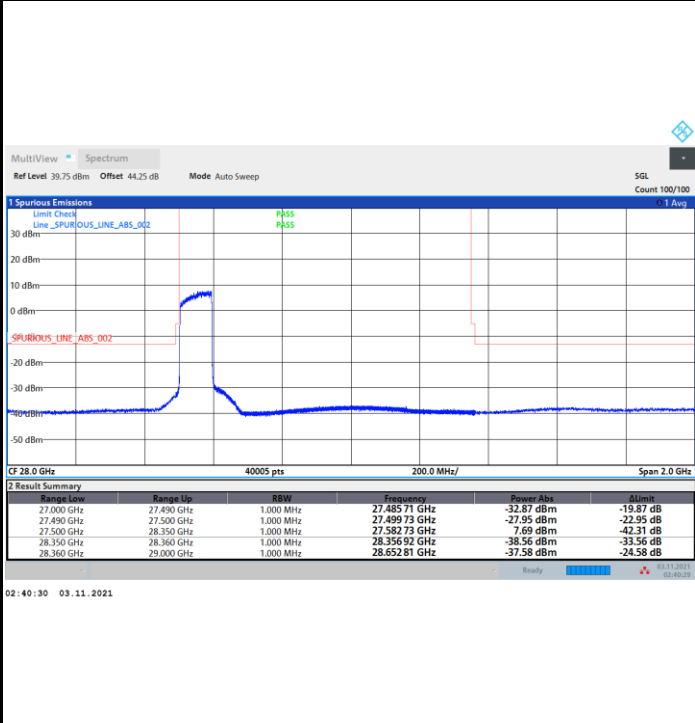


DFT-s-OFDM Module 0

NR Band n261 / 400MHz / 64QAM

Lowest Band Edge / Full RB

Highest Band Edge / Full RB

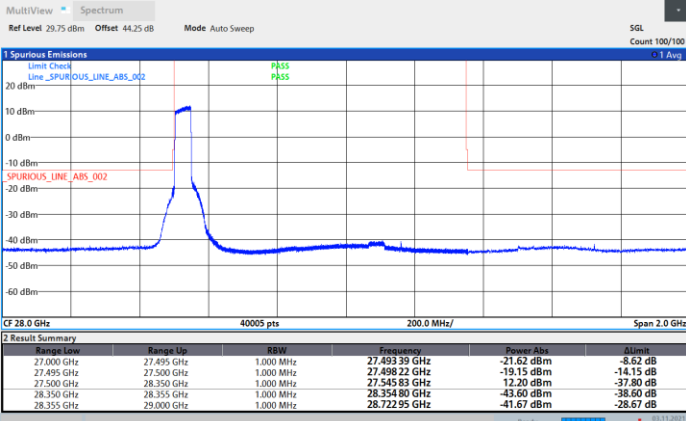




CP-OFDM Module 0

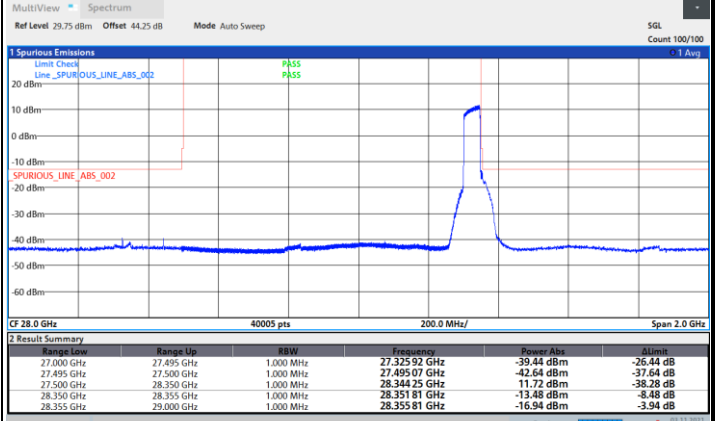
NR Band n261 / 50MHz / QPSK

Lowest Band Edge / Full RB



00:51:36 03.11.2021

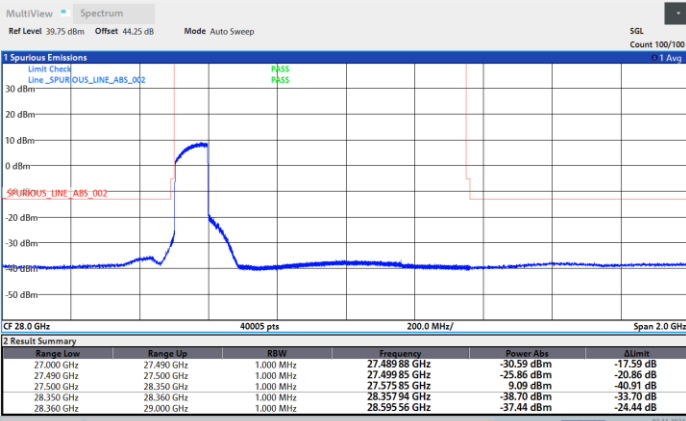
Highest Band Edge / Full RB



05:17:18 03.11.2021

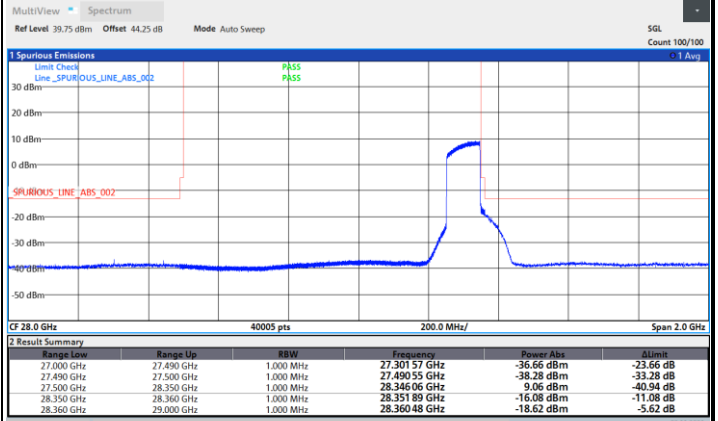
NR Band n261 / 100MHz / QPSK

Lowest Band Edge / Full RB



02:48:23 03.11.2021

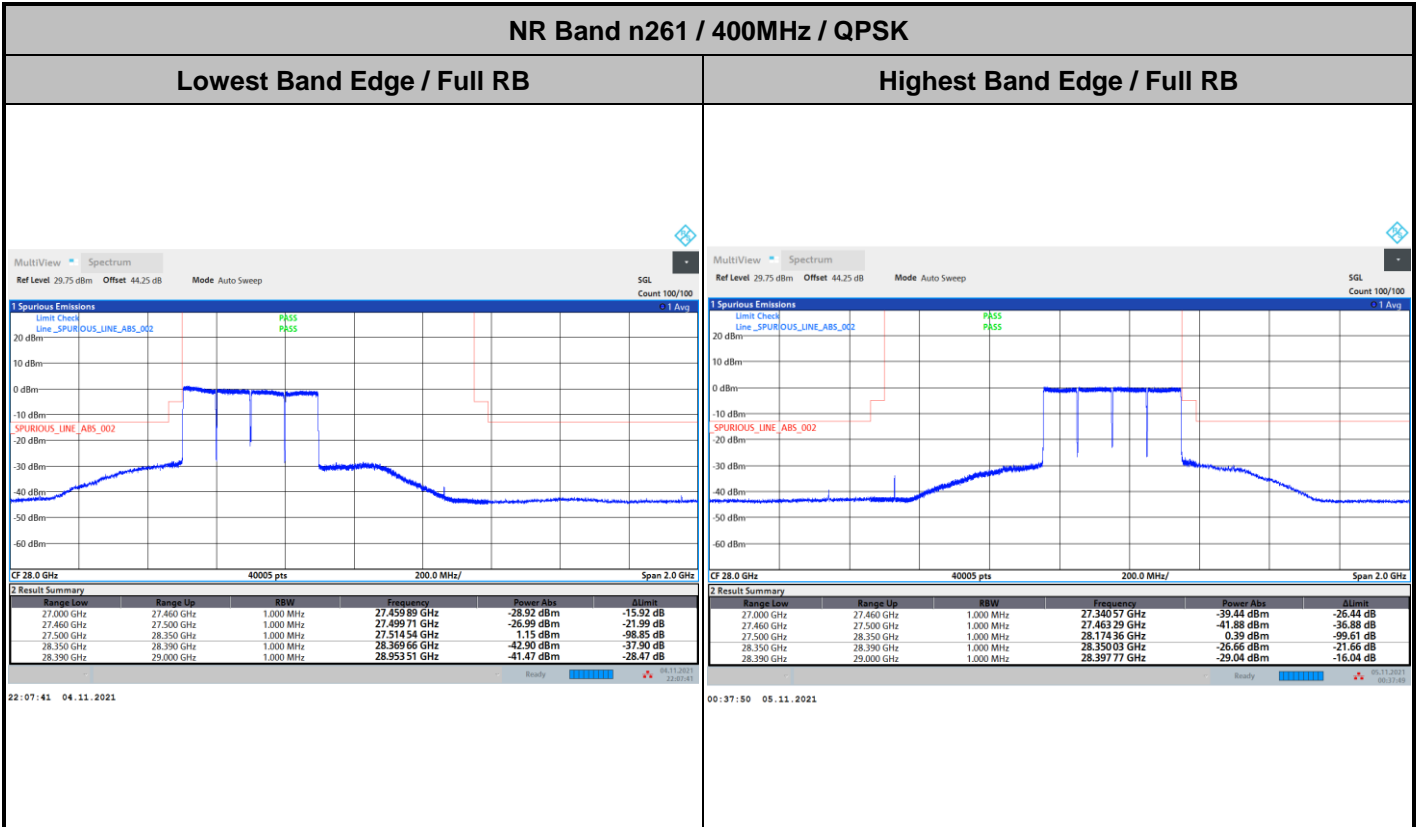
Highest Band Edge / Full RB



05:30:30 03.11.2021



CP-OFDM Module 0

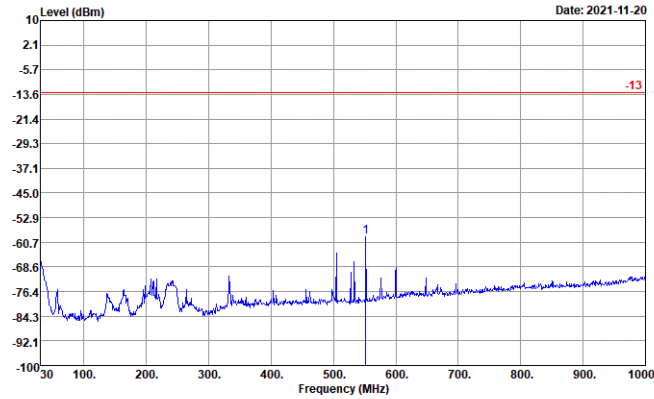




# Spurious Emission

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

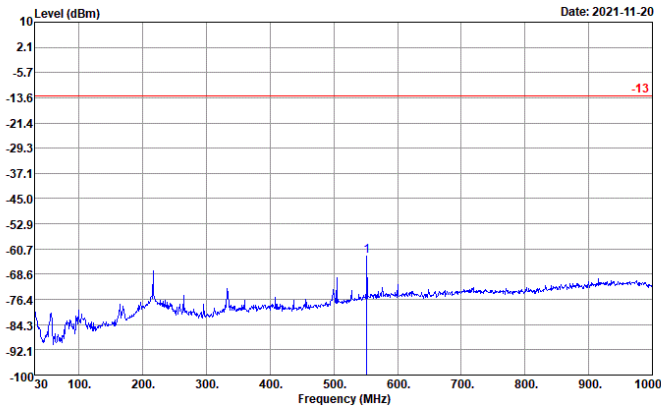
### Horizontal



Site : 03CH19-HY  
 Condition : -13 ERP EIRP\_20210305 HORIZONTAL  
 Project : IO2008  
 : n261 MO

| Freq | Level  | Over   | Limit  | Read   |        |
|------|--------|--------|--------|--------|--------|
| MHz  | dBm    | Limit  | Line   | Level  |        |
| MHz  | dBm    | dB     | dBm    | dBm    |        |
| 1    | 551.86 | -58.97 | -45.97 | -13.00 | -59.21 |

### Vertical



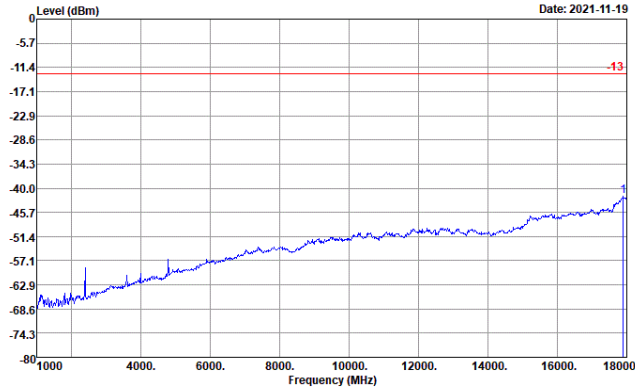
Site : 03CH19-HY  
 Condition : -13 ERP EIRP\_20210305 VERTICAL  
 Project : IO2008  
 : n261 MO

| Freq | Level  | Over   | Limit  | Read   |        |
|------|--------|--------|--------|--------|--------|
| MHz  | dBm    | Limit  | Line   | Level  |        |
| MHz  | dBm    | dB     | dBm    | dBm    |        |
| 1    | 551.86 | -62.99 | -49.99 | -13.00 | -67.02 |



NR Band n261 (1GHz-18GHz)

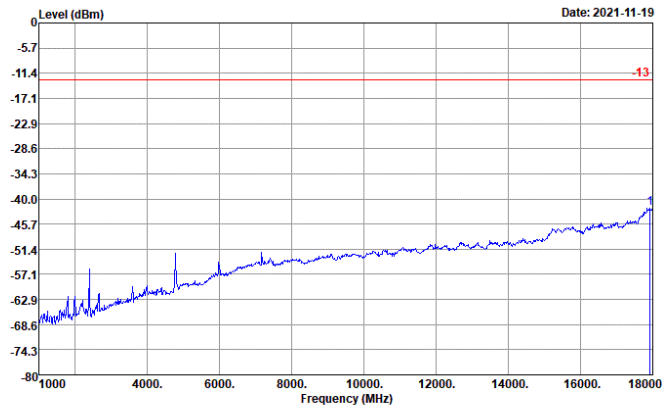
Horizontal



Site : 03CH19-HY  
 Condition : -13 ERP EIRP\_20210305 HORIZONTAL  
 Project : IO2008  
 : n261 MO

| Freq       | Level  | Over   | Limit  | Read   |
|------------|--------|--------|--------|--------|
| MHz        | dBm    | dB     | dBm    | dBm    |
| 1 17898.00 | -41.97 | -28.97 | -13.00 | -75.32 |

Vertical



Site : 03CH19-HY  
 Condition : -13 ERP EIRP\_20210305 VERTICAL  
 Project : IO2008  
 : n261 MO

| Freq       | Level  | Over   | Limit  | Read   |
|------------|--------|--------|--------|--------|
| MHz        | dBm    | dB     | dBm    | dBm    |
| 1 17932.00 | -42.09 | -29.09 | -13.00 | -75.38 |

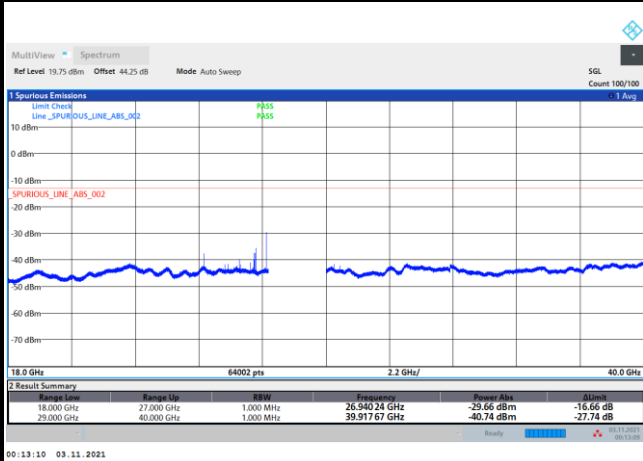


Spurious emission between 18GHz to 40GHz worst case plot is reported as following.

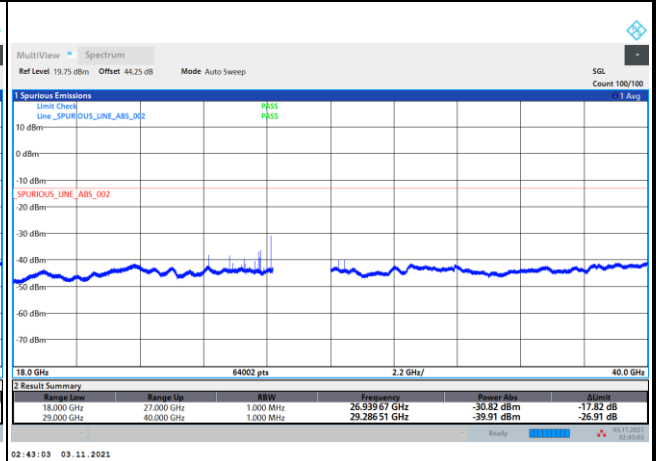
DFT-s-OFDM Module 0

NR Band n261 QPSK (18-40GHz)

Lowest Channel / 50MHz



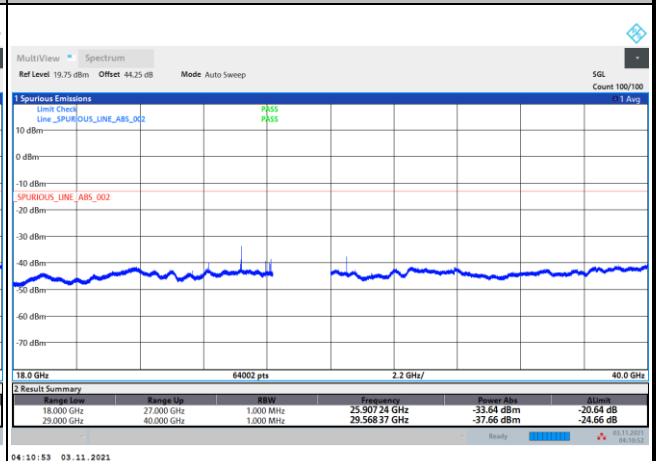
Lowest Channel / 100MHz



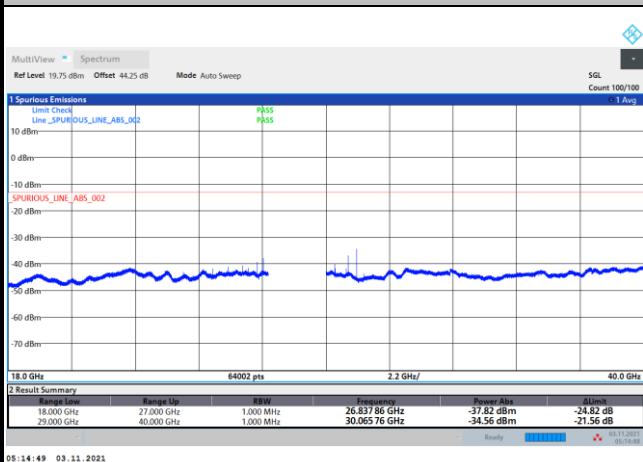
Middle Channel / 50MHz



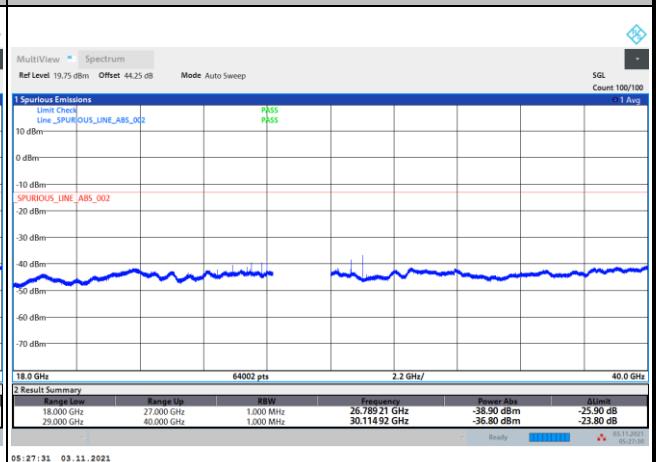
Middle Channel / 100MHz



Highest Channel / 50MHz



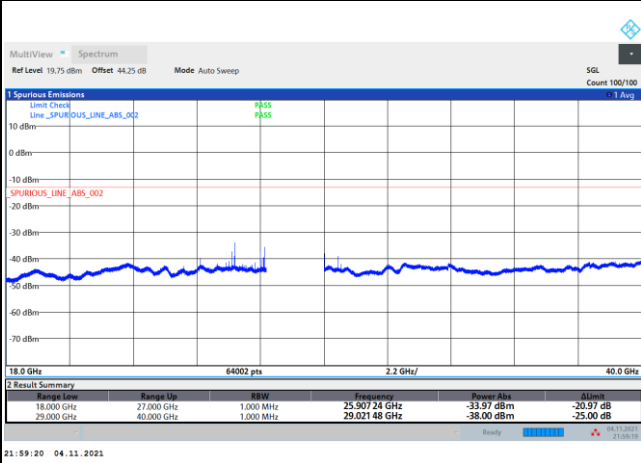
Highest Channel / 100MHz



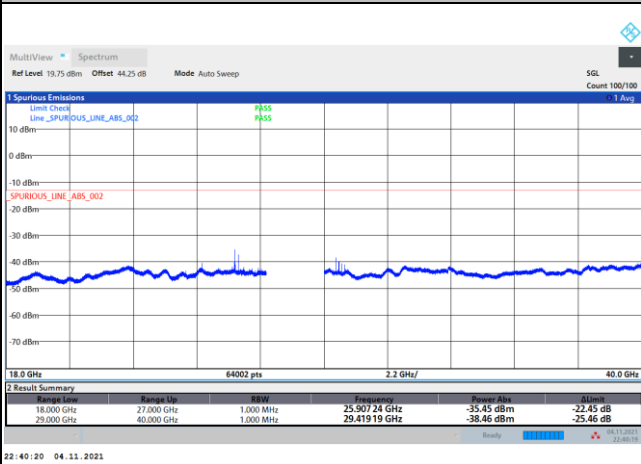


NR Band n261 QPSK (18-40GHz)

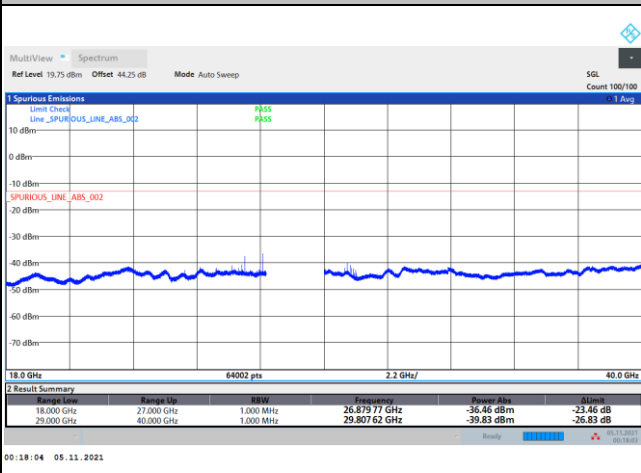
Lowest Channel / 400MHz



Middle Channel / 400MHz



Highest Channel / 400MHz



Remark: In band and out of band frequencies that has reported in previous results are omitted.

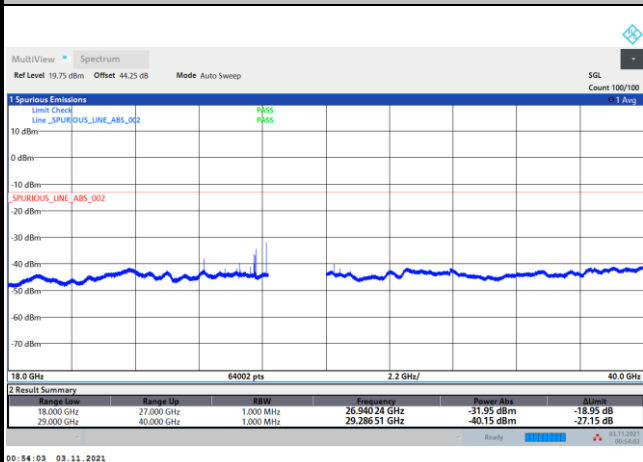




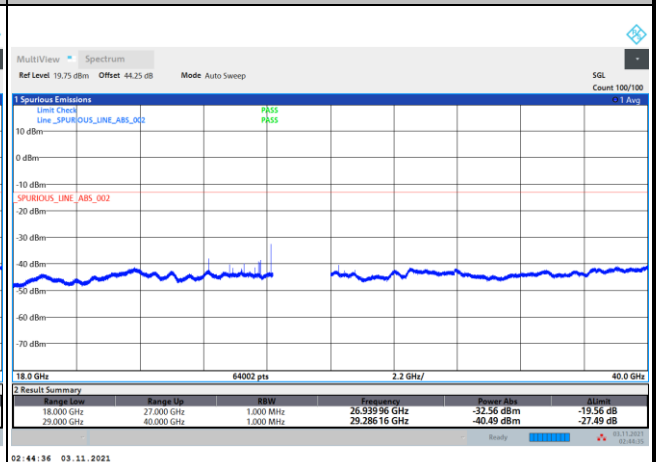
CP-OFDM Module 0

NR Band n261 QPSK (18-40GHz)

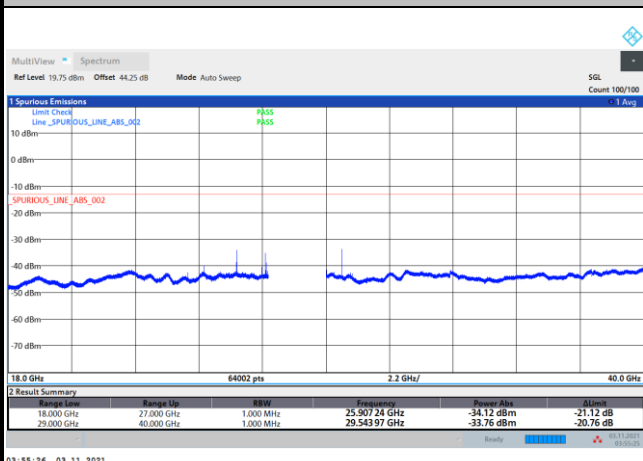
Lowest Channel / 50MHz



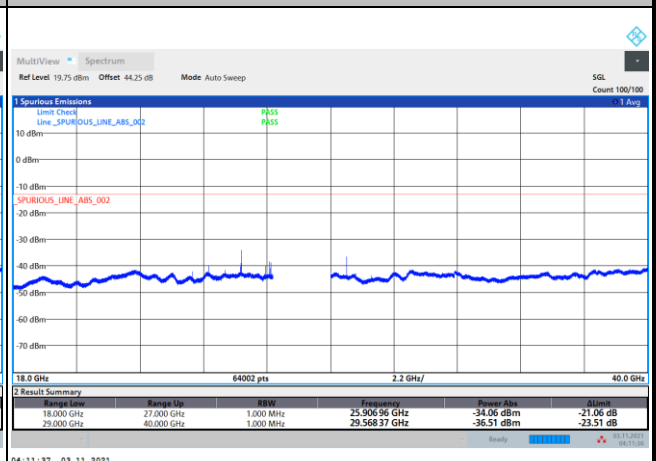
Lowest Channel / 100MHz



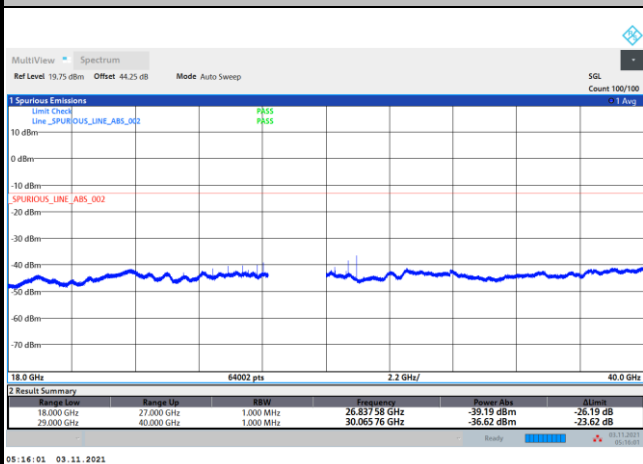
Middle Channel / 50MHz



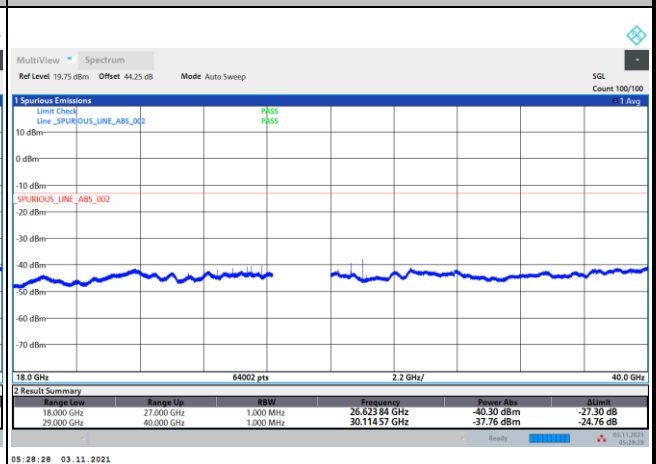
Middle Channel / 100MHz



Highest Channel / 50MHz



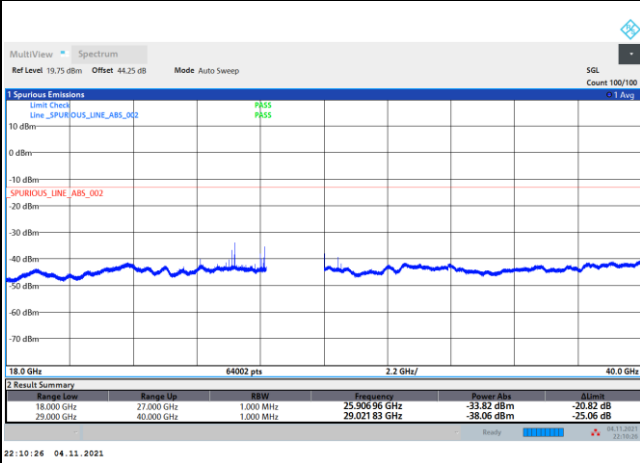
Highest Channel / 100MHz



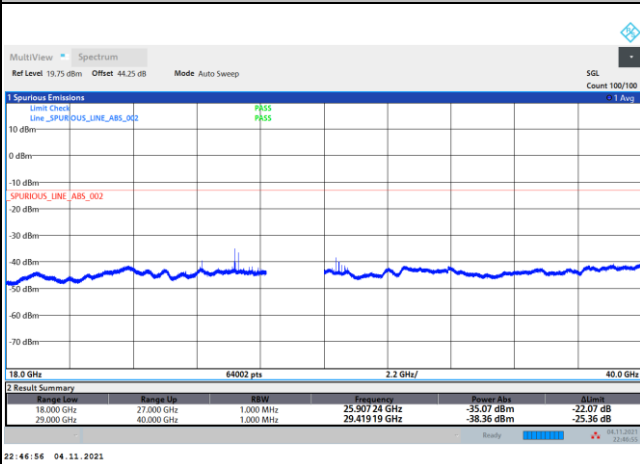


NR Band n261 QPSK (18-40GHz)

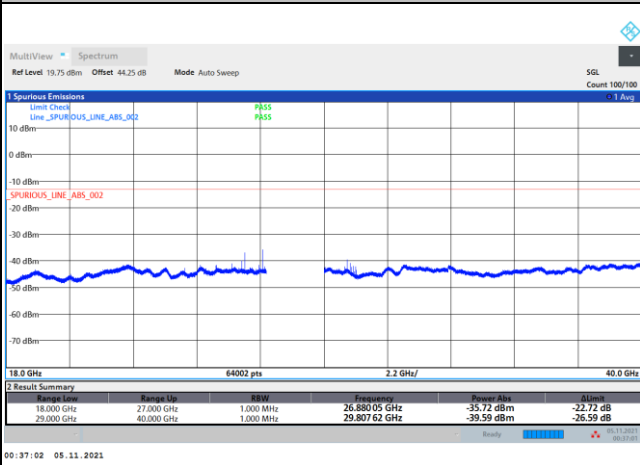
Lowest Channel / 400MHz



Middle Channel / 400MHz



Highest Channel / 400MHz

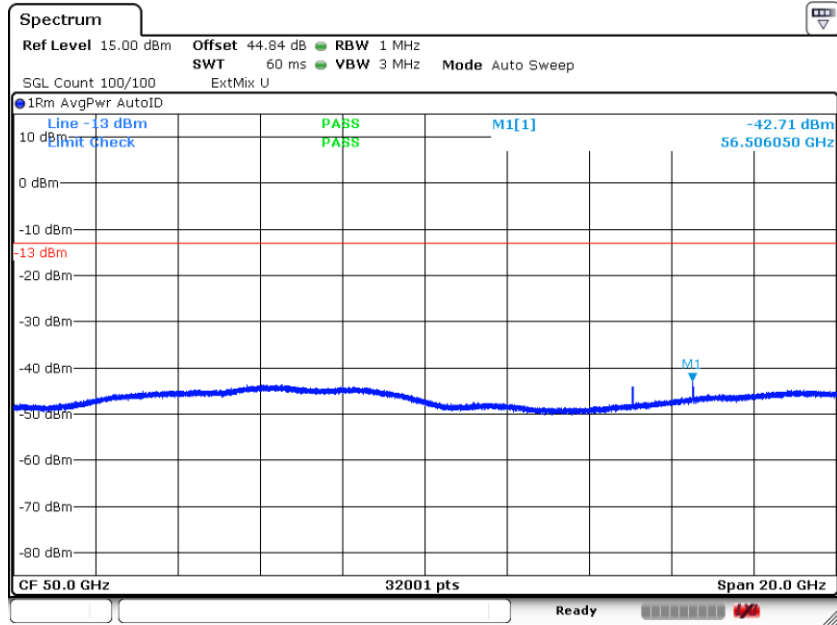


Remark: In band and out of band frequencies that has reported in previous results are omitted.



NR Band n261

(40GHz-60GHz)



Date: 20.NOV.2021 16:29:15

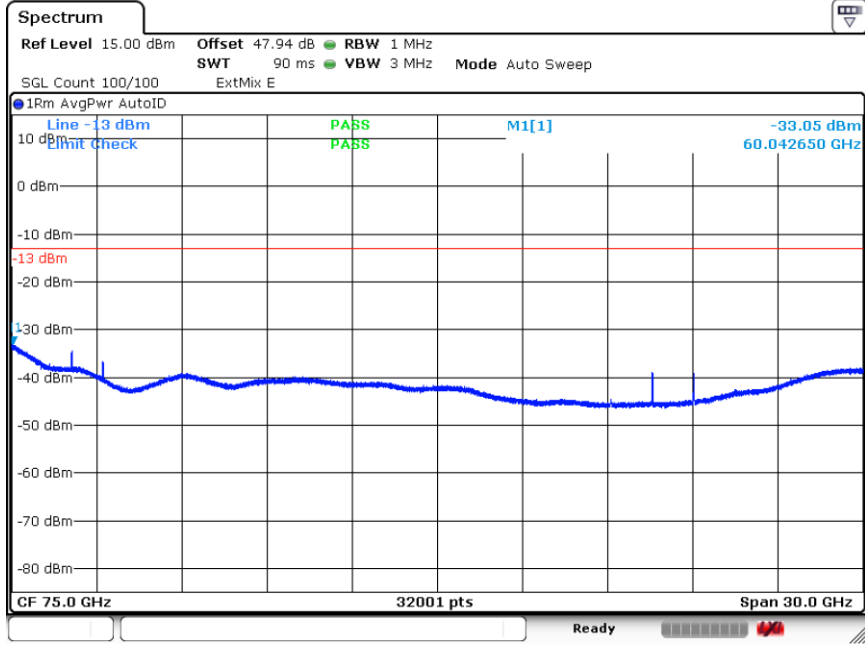
$$Offset = \text{Antenna Factor (dB/m)} + \text{Cable Loss (dB)} + 107 + 20\log(D) - 104.8$$

$$= 42.3 + 0.34 + 107 + 20\log(1) - 104.8 = 44.84 \text{ (dB)}$$



NR Band n261

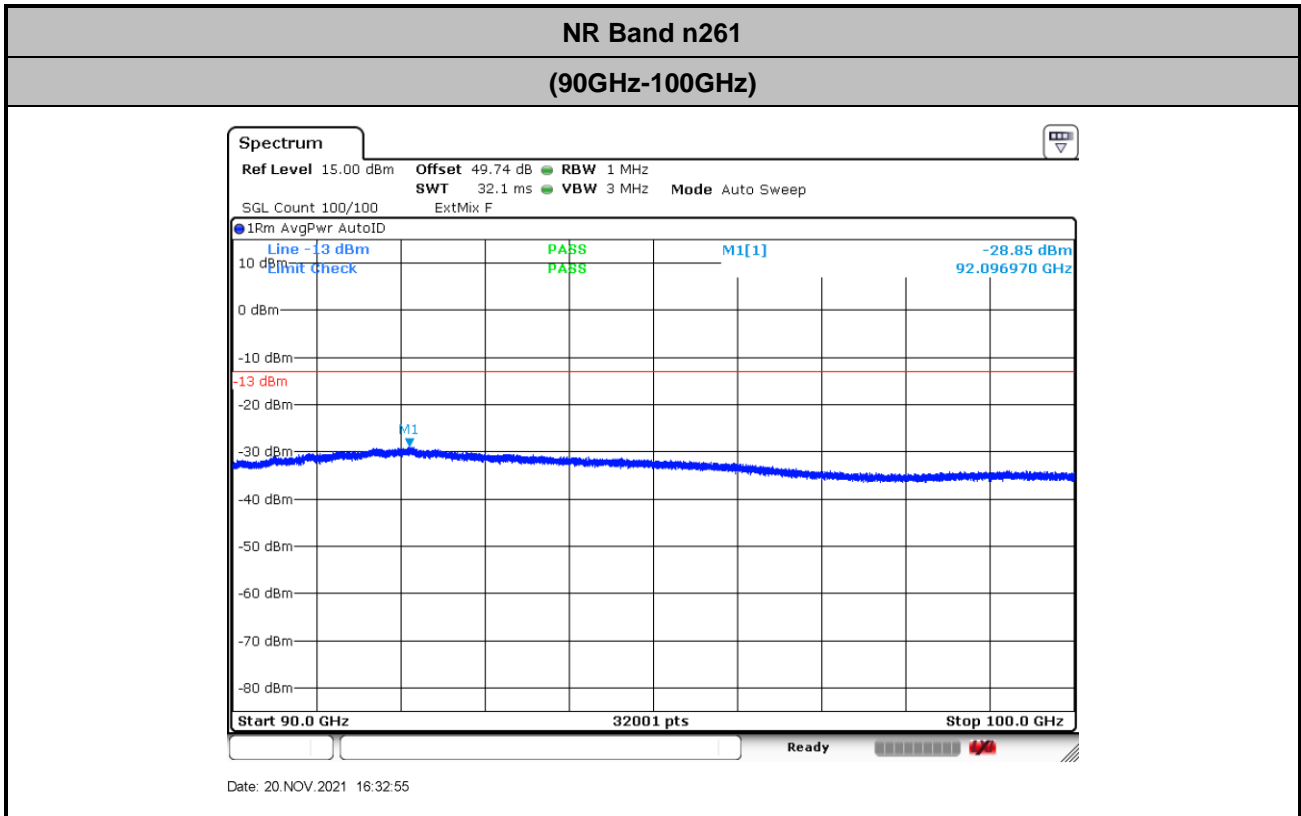
(60GHz-90GHz)



Date: 20.NOV.2021 16:31:34

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

$$= 45.4 + 0.34 + 107 + 20\log(1) - 104.8 = 47.94 \text{ (dB)}$$



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

$$= 47.2 + 0.34 + 107 + 20\log(1) - 104.8 = 49.74 \text{ (dB)}$$



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    | 27.9251608                    | -160.800        | 5.758           | Pass    |
| 40               | Normal Voltage    | 27.9251109                    | -110.900        | 3.971           |         |
| 30               | Normal Voltage    | 27.9250709                    | -70.900         | 2.539           |         |
| 20(Ref.)         | Normal Voltage    | 27.925                        | 0.000           | 0.000           |         |
| 10               | Normal Voltage    | 27.924981                     | 19.000          | 0.680           |         |
| 0                | Normal Voltage    | 27.9249411                    | 58.900          | 2.109           |         |
| -10              | Normal Voltage    | 27.9249081                    | 91.900          | 3.291           |         |
| -20              | Normal Voltage    | 27.9248881                    | 111.900         | 4.007           |         |
| -30              | Normal Voltage    | 27.9248382                    | 161.800         | 5.794           |         |
| 20               | Maximum Voltage   | 27.92502                      | -20.000         | 0.716           |         |
| 20               | Normal Voltage    | 27.9250006                    | -0.600          | 0.021           |         |
| 20               | Battery End Point | 27.92498                      | 20.000          | 0.716           |         |

Note: The frequency fundamental emissions stay within the operation band.



## NR Band n261 Module 1 AG0

### Occupied Bandwidth

| Mode       | DFT-s-OFDM Module 1 NR Band n261 : 99%OBW(MHz) |       |       |        |       |       |
|------------|--|-------|-------|--------|-------|-------|
| BW         | 50MHz  |       |       | 100MHz |       |       |
| Mod.       | QPSK   | 16QAM | 64QAM | QPSK   | 16QAM | 64QAM |
| Lowest CH  | 45.79  | 46.01 | 46.00 | 91.33  | 91.24 | 91.23 |
| Middle CH  | 45.76  | 45.93 | 45.79 | 91.35  | 91.41 | 91.27 |
| Highest CH | 46.01  | 45.92 | 45.79 | 91.37  | 91.05 | 91.42 |

| Mode       | DFT-s-OFDM Module 1 NR Band n261 : 99%OBW(MHz) |        |        |  |  |  |
|------------|--|--------|--------|--|--|--|
| BW         | 400MHz   |        |        |  |  |  |
| Mod.       | QPSK   | 16QAM  | 64QAM  |  |  |  |
| Lowest CH  | 388.08   | 386.59 | 387.27 |  |  |  |
| Middle CH  | 386.79   | 386.56 | 385.85 |  |  |  |
| Highest CH | 387.86   | 386.93 | 387.26 |  |  |  |

| Mode       | CP-OFDM Module 1 NR Band n261 : 99%OBW(MHz) |        |
|------------|---|--------|
| BW         | 50MHz                                       | 100MHz |
| Mod.       | QPSK  | QPSK   |
| Lowest CH  | 45.84                                       | 94.35  |
| Middle CH  | 46.09                                       | 94.17  |
| Highest CH | 45.89                                       | 94.10  |

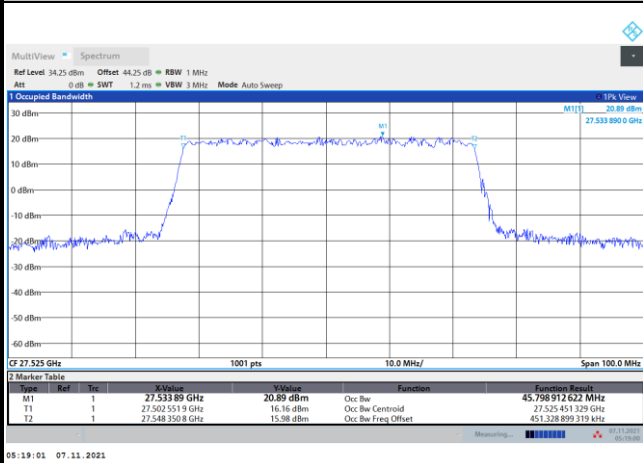
| Mode       | CP-OFDM Module 1 NR Band n261 : 99%OBW(MHz) |  |
|------------|---|--|
| BW         | 400MHz                                      |  |
| Mod.       | QPSK  |  |
| Lowest CH  | 390.36                                      |  |
| Middle CH  | 390.62                                      |  |
| Highest CH | 390.20                                      |  |



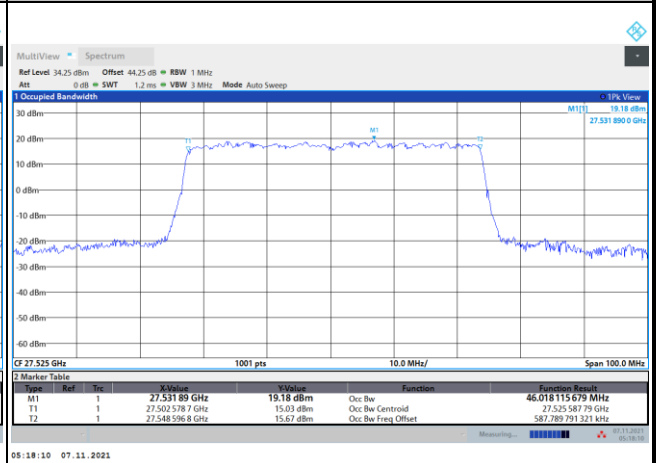
DFT-s-OFDM Module 1

NR Band n261

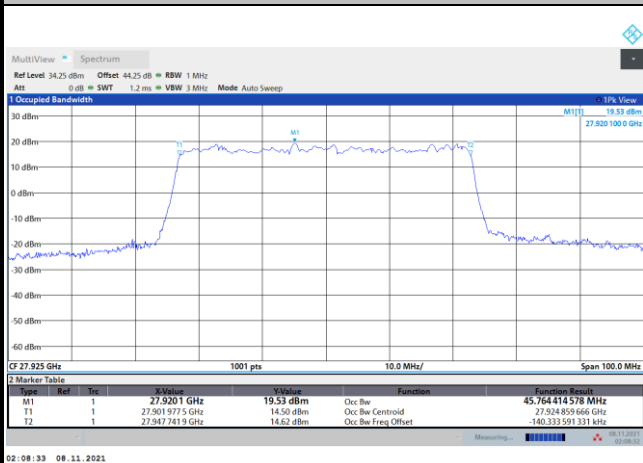
Lowest Channel / 50MHz / QPSK



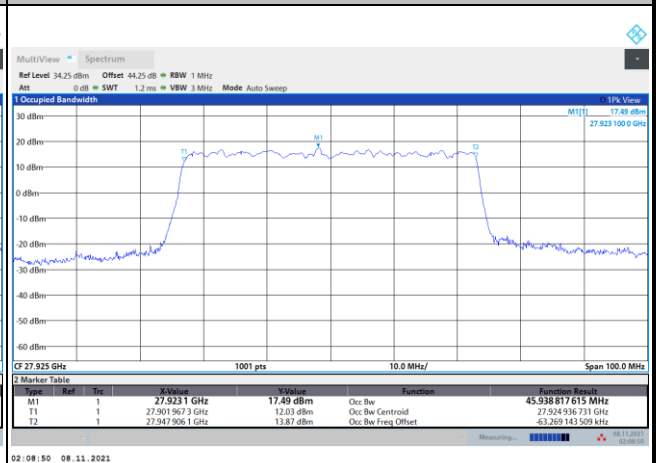
Lowest Channel / 50MHz / 16QAM



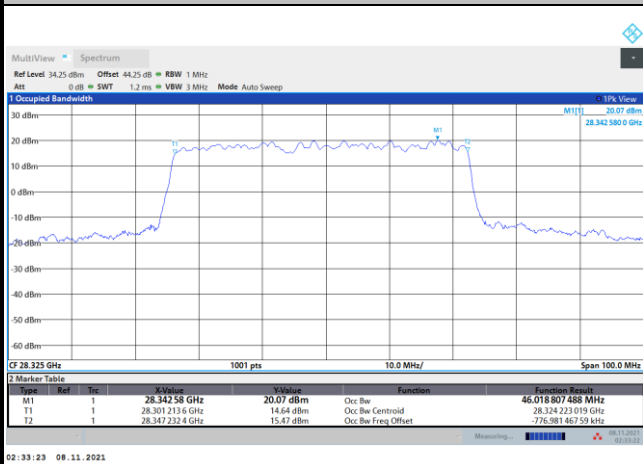
Middle Channel / 50MHz / QPSK



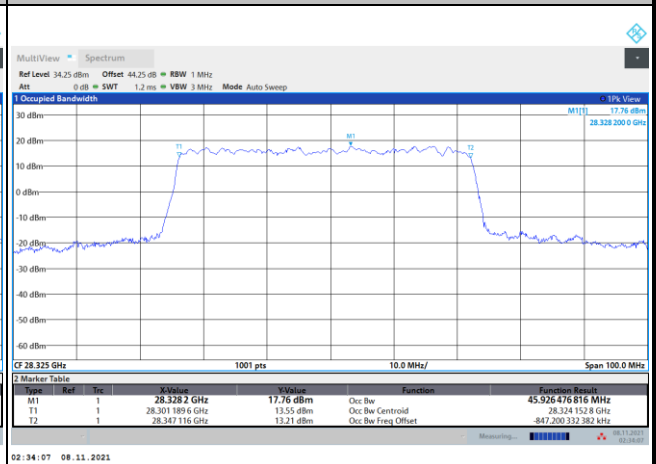
Middle Channel / 50MHz / 16QAM



Highest Channel / 50MHz / QPSK



Highest Channel / 50MHz / 16QAM



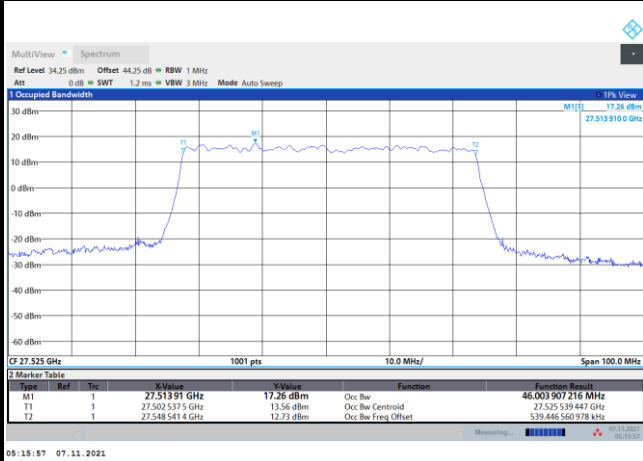




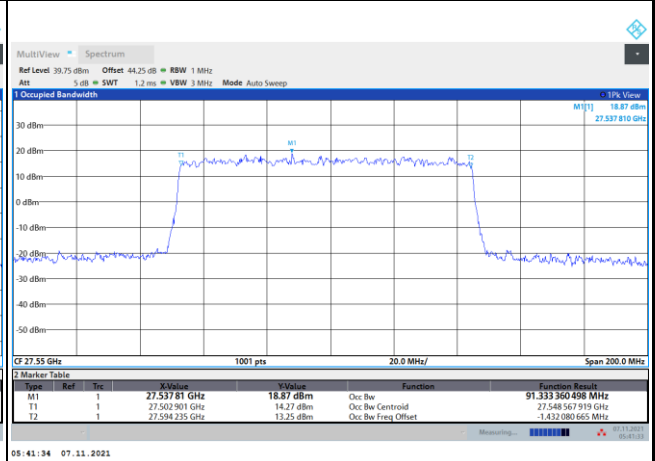
DFT-s-OFDM Module 1

NR Band n261

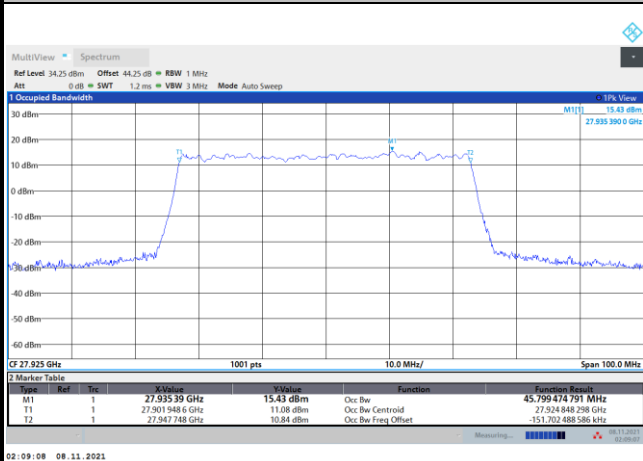
Lowest Channel / 50MHz / 64QAM



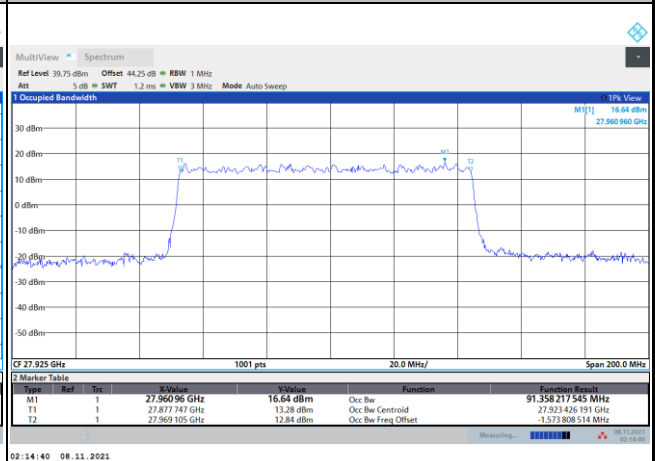
Lowest Channel / 100MHz / QPSK



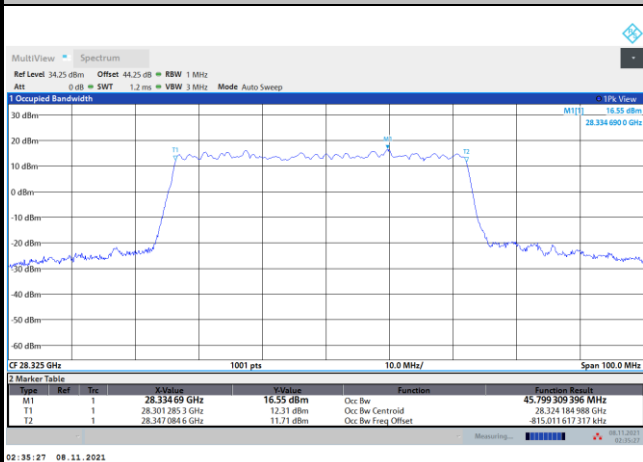
Middle Channel / 50MHz / 64QAM



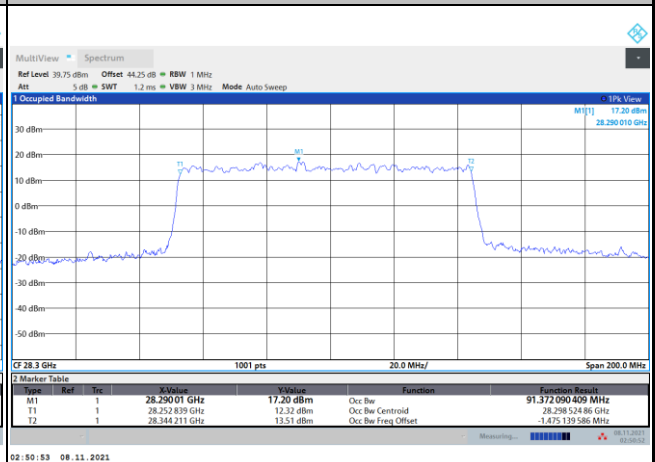
Middle Channel / 100MHz / QPSK



Highest Channel / 50MHz / 64QAM



Highest Channel / 100MHz / QPSK

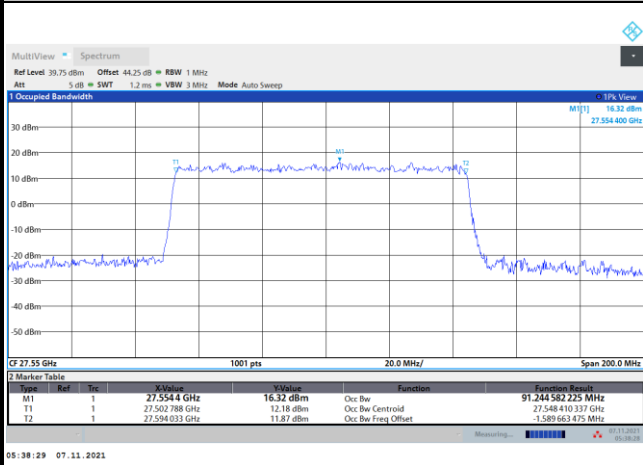




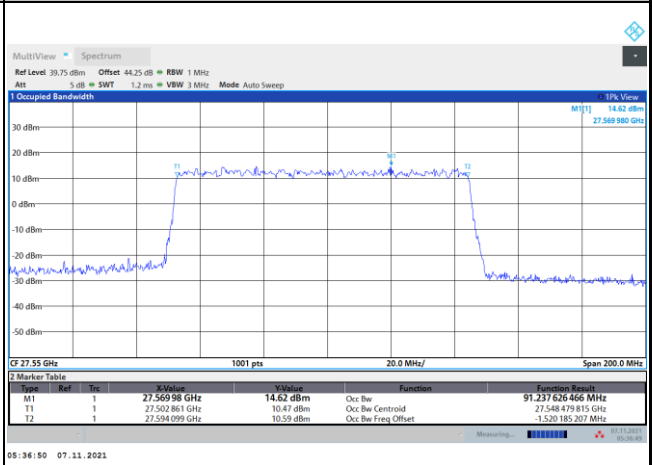
DFT-s-OFDM Module 1

NR Band n261

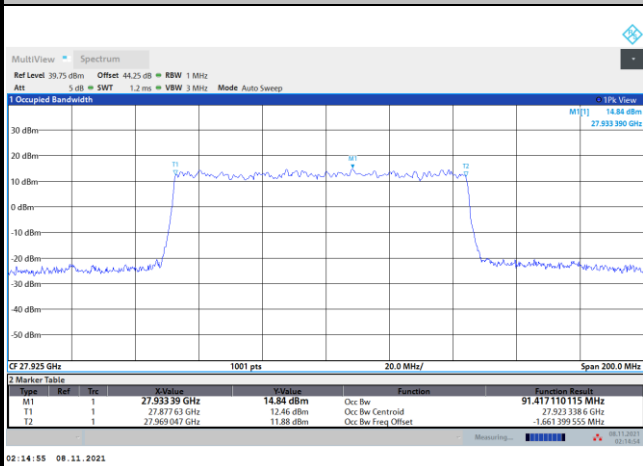
Lowest Channel / 100MHz / 16QAM



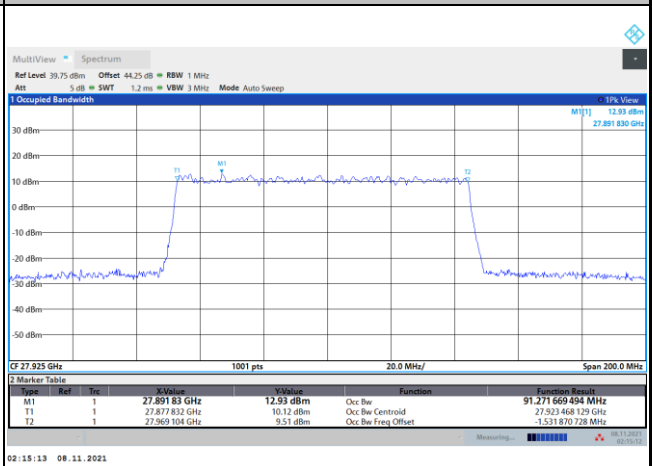
Lowest Channel / 100MHz / 64QAM



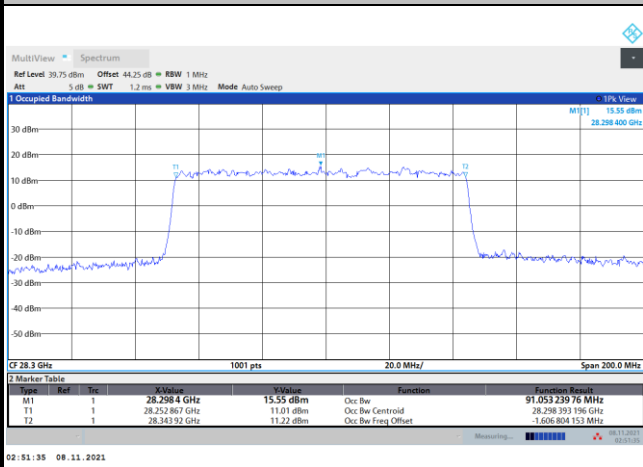
Middle Channel / 100MHz / 16QAM



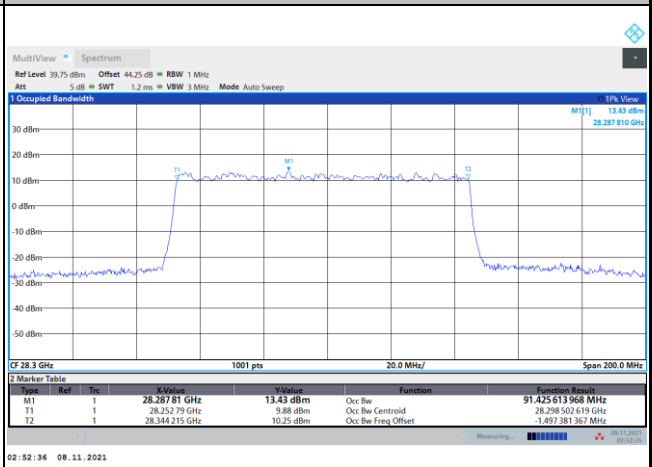
Middle Channel / 100MHz / 64QAM



Highest Channel / 100MHz / 16QAM



Highest Channel / 100MHz / 64QAM





DFT-s-OFDM Module 1

NR Band n261

Lowest Channel / 400MHz / QPSK



Lowest Channel / 400MHz / 16QAM



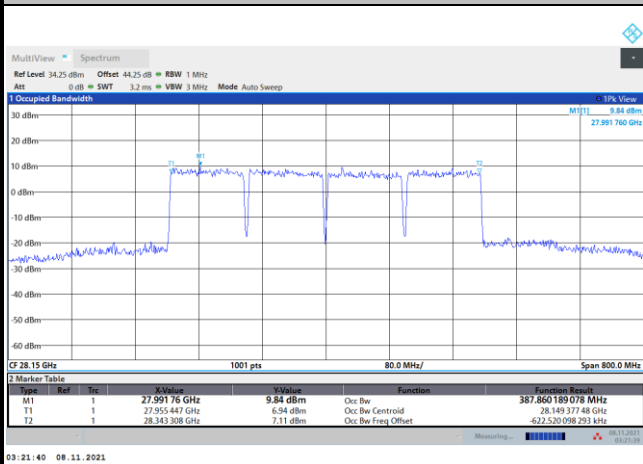
Middle Channel / 400MHz / QPSK



Middle Channel / 400MHz / 16QAM



Highest Channel / 400MHz / QPSK



Highest Channel / 400MHz / 16QAM

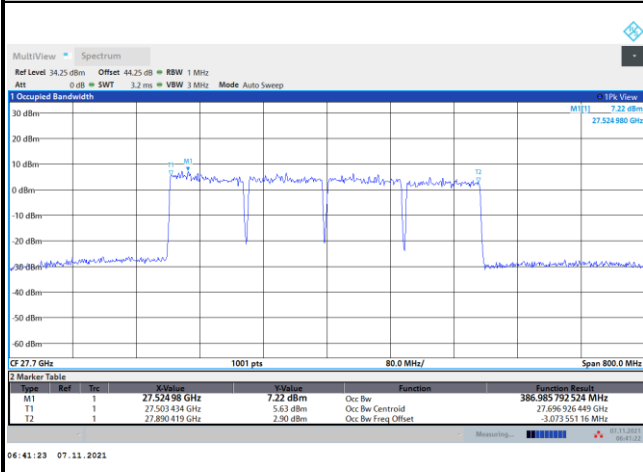




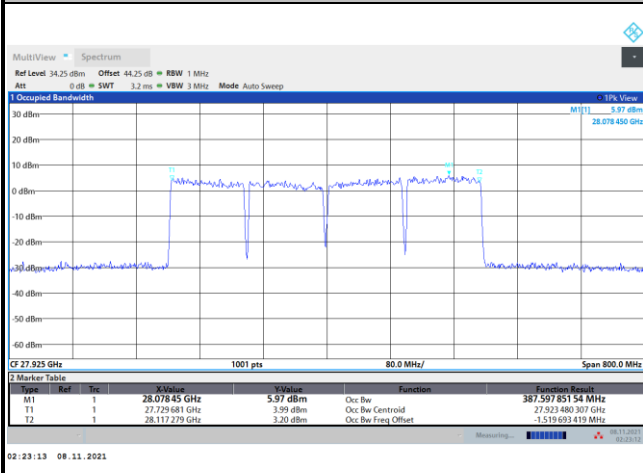
DFT-s-OFDM Module 1

NR Band n261

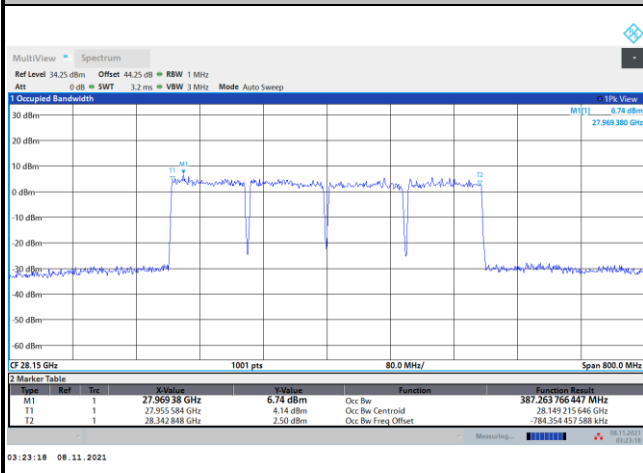
Lowest Channel / 400MHz / 64QAM



Middle Channel / 400MHz / 64QAM



Highest Channel / 400MHz / 64QAM

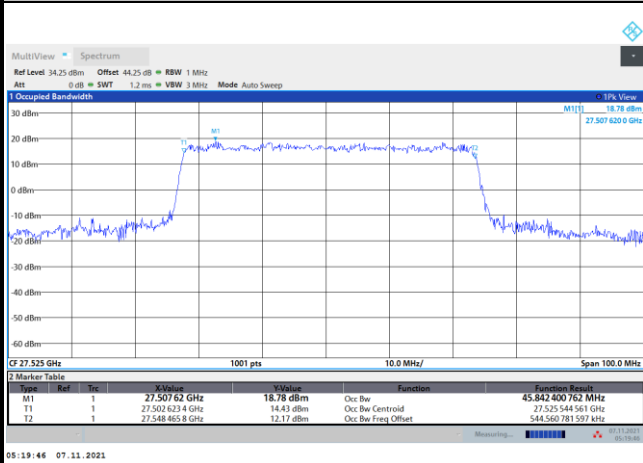




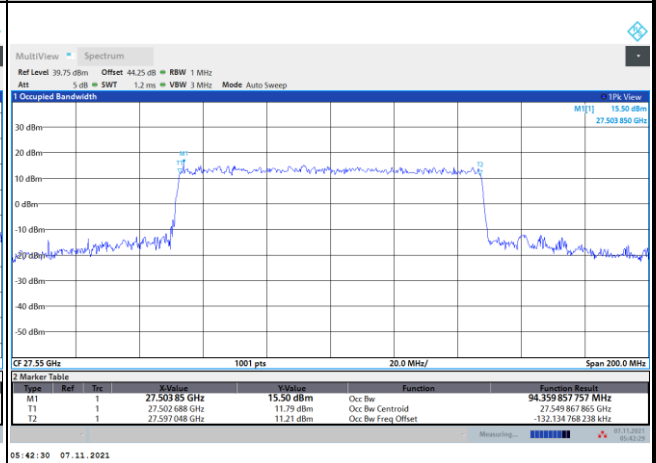
CP-OFDM Module 1

NR Band n261

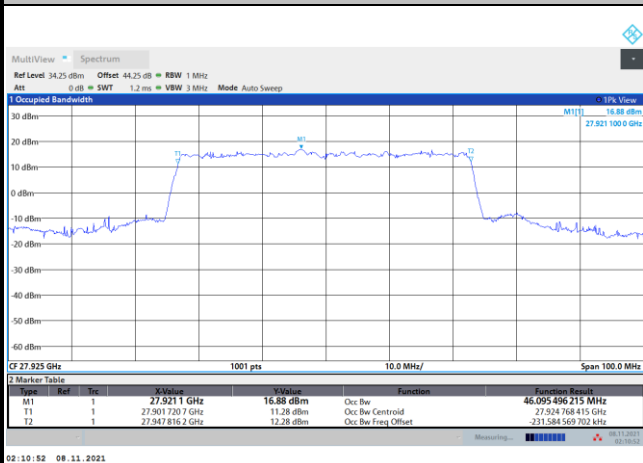
Lowest Channel / 50MHz / QPSK



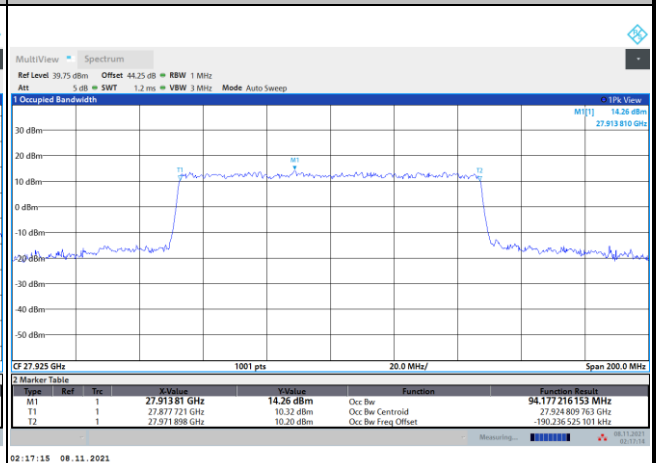
Lowest Channel / 100MHz / QPSK



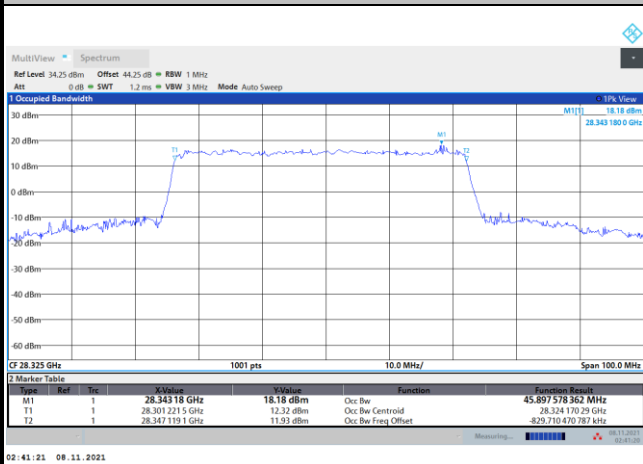
Middle Channel / 50MHz / QPSK



Middle Channel / 100MHz / QPSK



Highest Channel / 50MHz / QPSK



Highest Channel / 100MHz / QPSK

