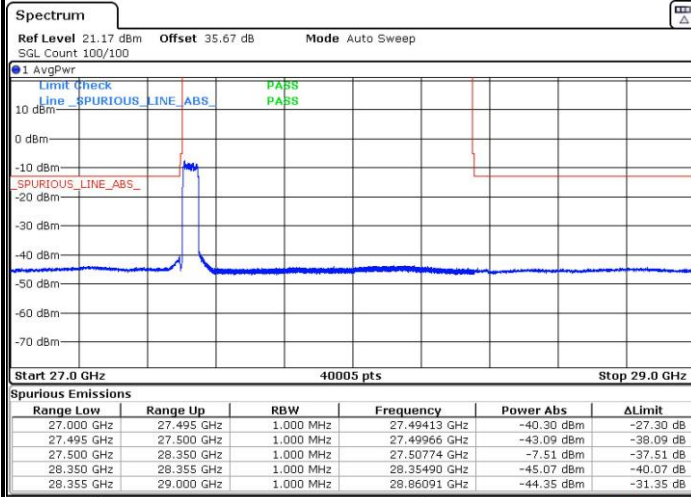




## CP-OFDM Module 0

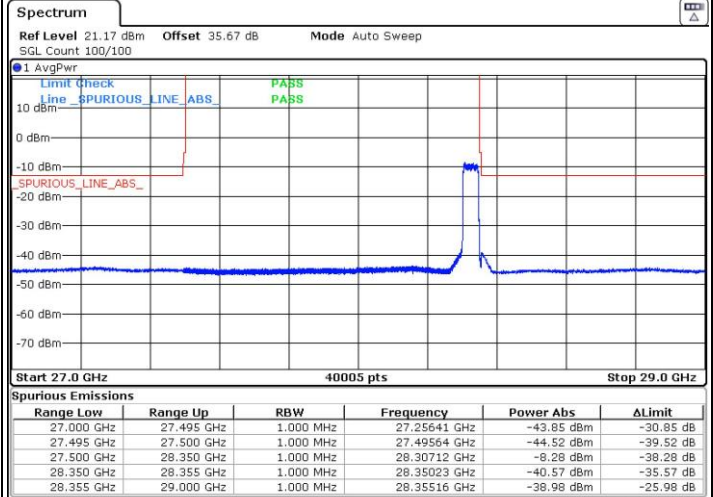
## NR Band n261 / 50MHz / 64QAM

## Lowest Band Edge / Full RB



Date: 25.APR.2020 19:48:53

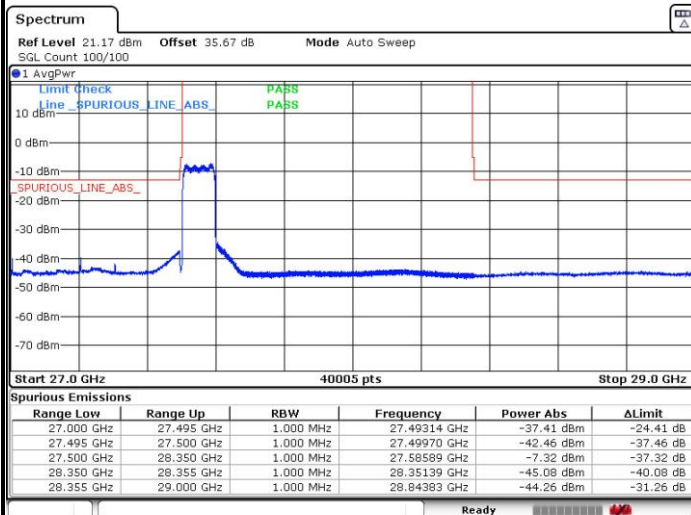
## Highest Band Edge / Full RB



Date: 27.APR.2020 14:03:50

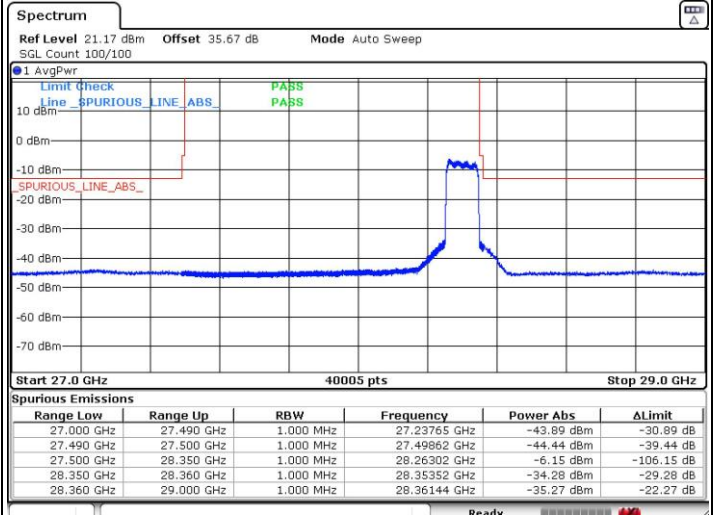
## NR Band n261 / 100MHz / QPSK

## Lowest Band Edge / Full RB



Date: 25.APR.2020 21:01:17

## Highest Band Edge / Full RB



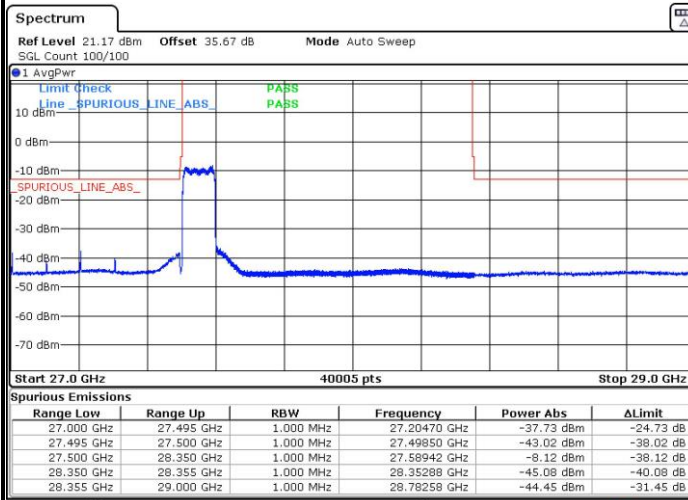
Date: 26.APR.2020 03:35:19



## CP-OFDM Module 0

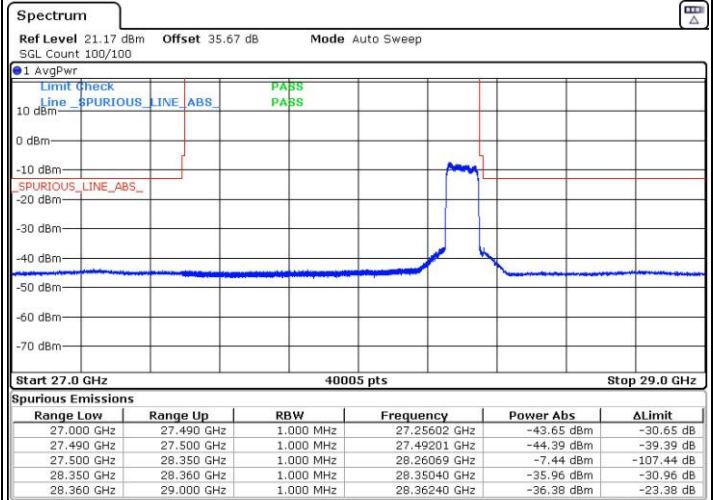
## NR Band n261 / 100MHz / 16QAM

## Lowest Band Edge / Full RB



Date: 25.APR.2020 21:00:32

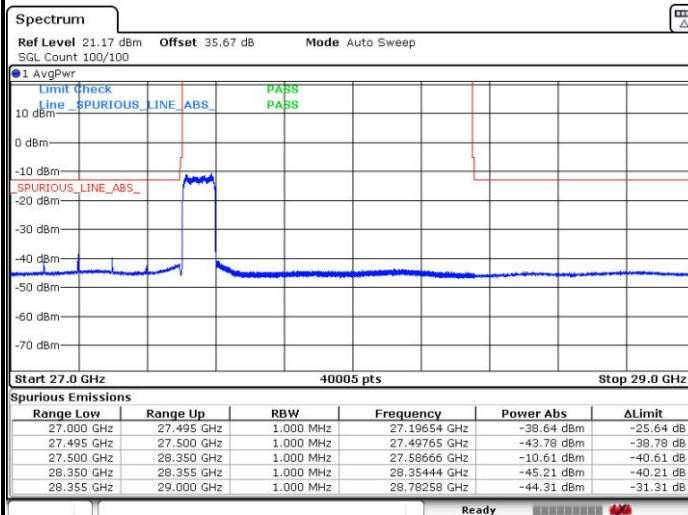
## Highest Band Edge / Full RB



Date: 26.APR.2020 03:35:54

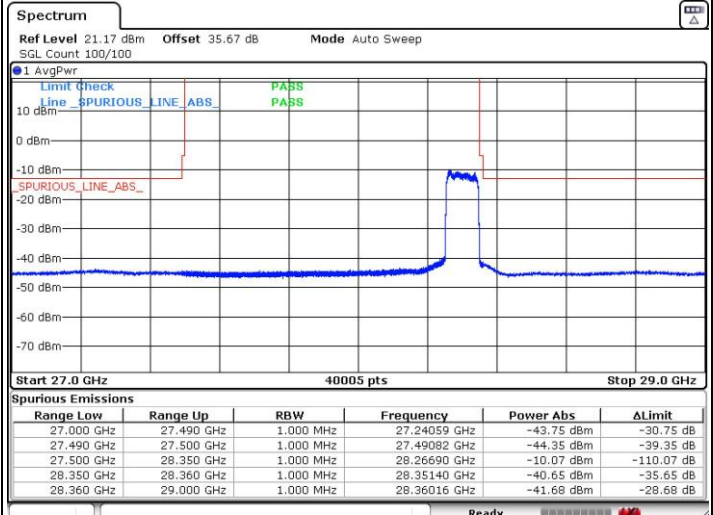
## NR Band n261 / 100MHz / 64QAM

## Lowest Band Edge / Full RB



Date: 25.APR.2020 20:59:49

## Highest Band Edge / Full RB



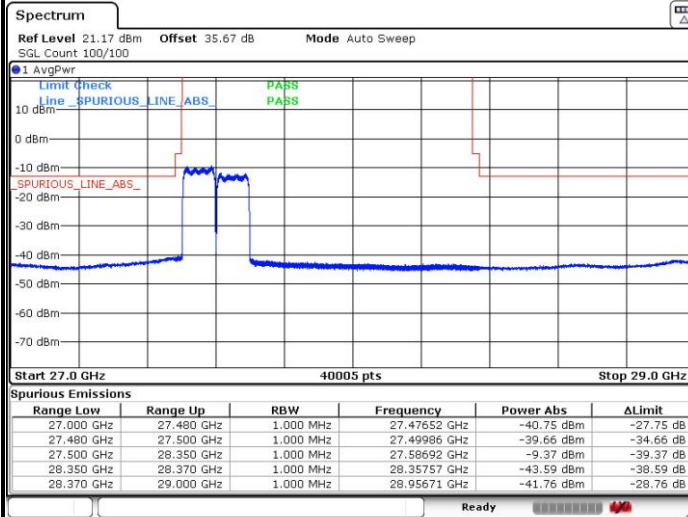
Date: 26.APR.2020 03:36:34



## CP-OFDM Module 0

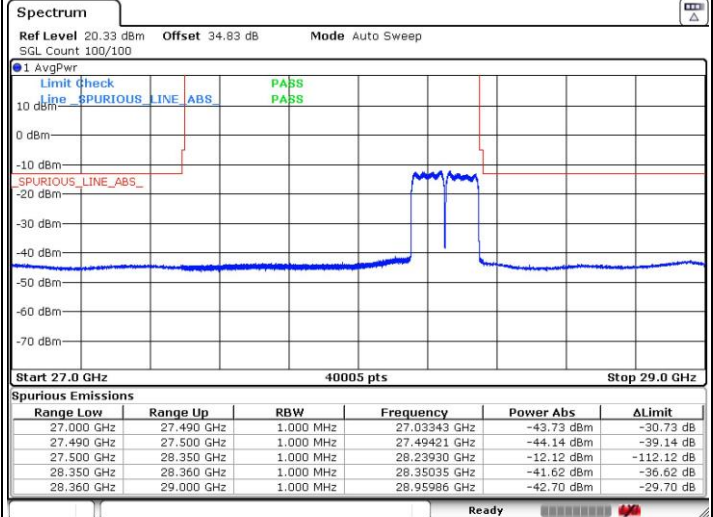
## NR Band n261 / 200MHz / QPSK

## Lowest Band Edge / Full RB



Date: 4.MAY.2020 19:44:54

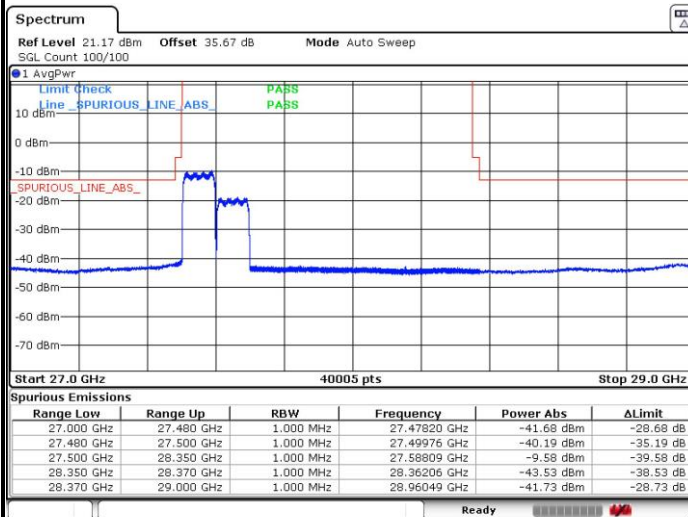
## Highest Band Edge / Full RB



Date: 4.MAY.2020 16:11:25

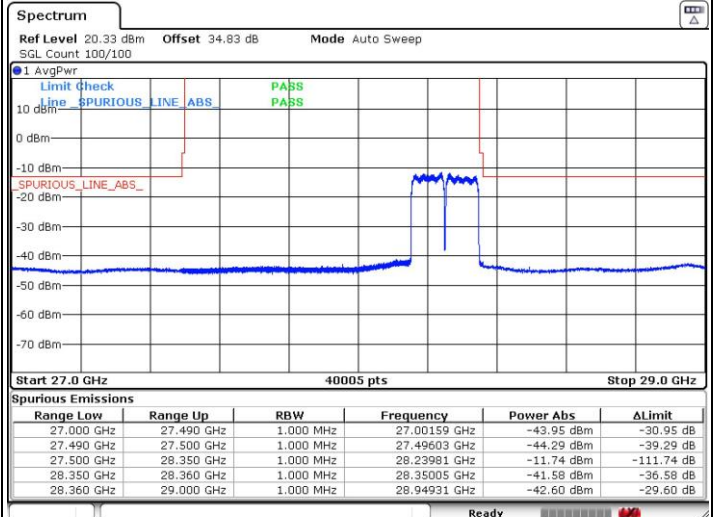
## NR Band n261 / 200MHz / 16QAM

## Lowest Band Edge / Full RB



Date: 4.MAY.2020 19:44:06

## Highest Band Edge / Full RB



Date: 4.MAY.2020 16:10:34

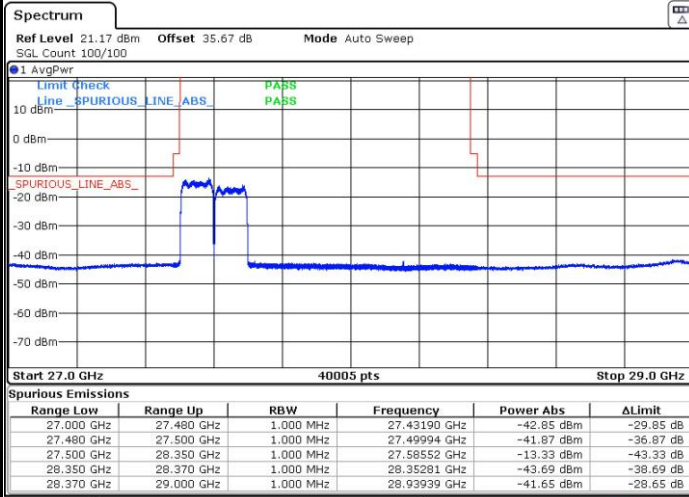


## CP-OFDM Module 0

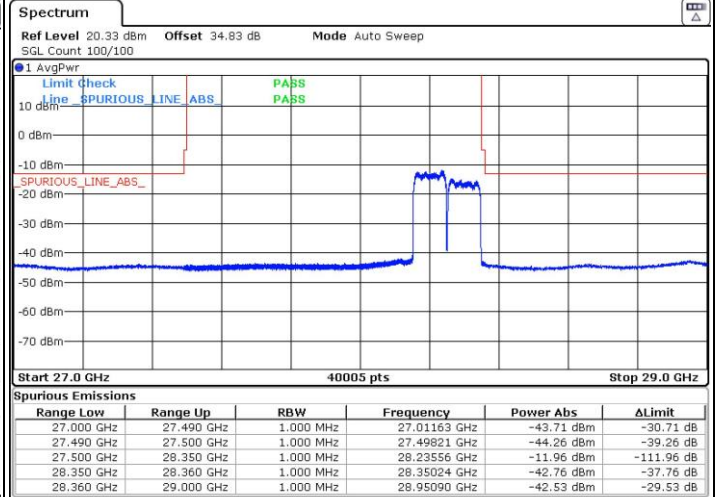
## NR Band n261 / 200MHz / 64QAM

## Lowest Band Edge / Full RB

## Highest Band Edge / Full RB



Date: 4.MAY.2020 19:42:53



Date: 4.MAY.2020 16:13:25

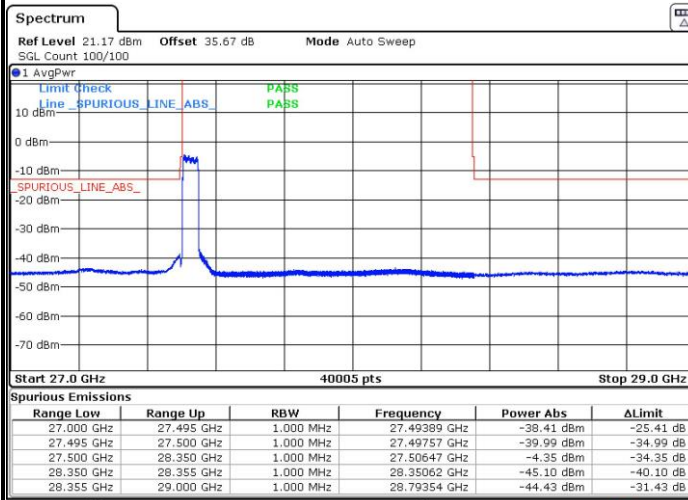




## CP-OFDM Module 1

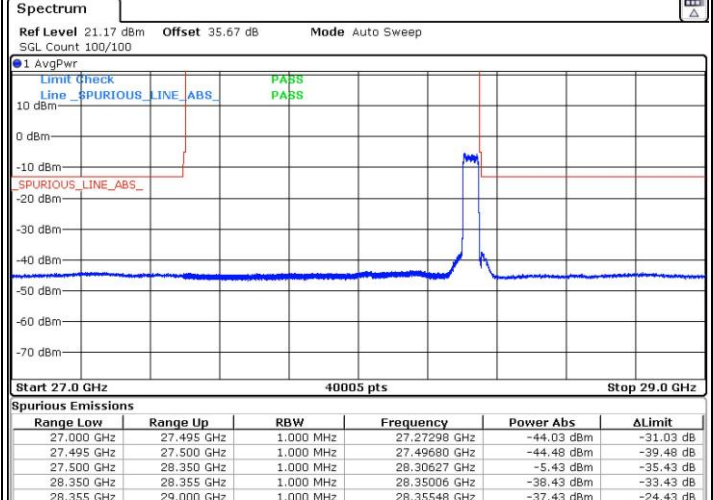
## NR Band n261 / 50MHz / QPSK

## Lowest Band Edge / Full RB



Date: 28.APR.2020 17:18:21

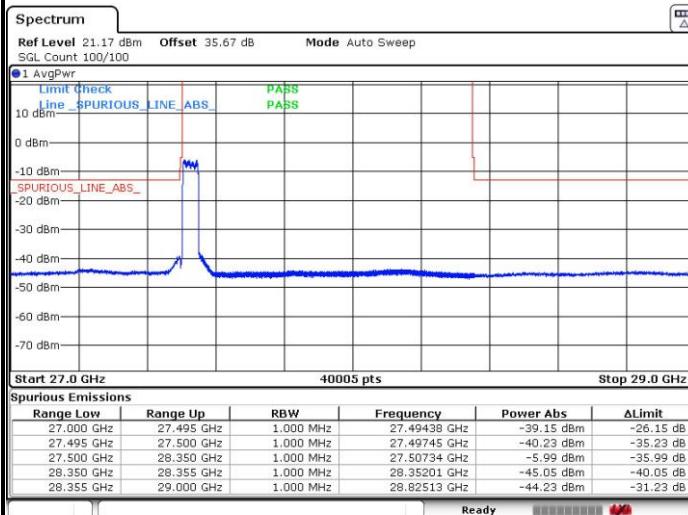
## Highest Band Edge / Full RB



Date: 29.APR.2020 00:38:01

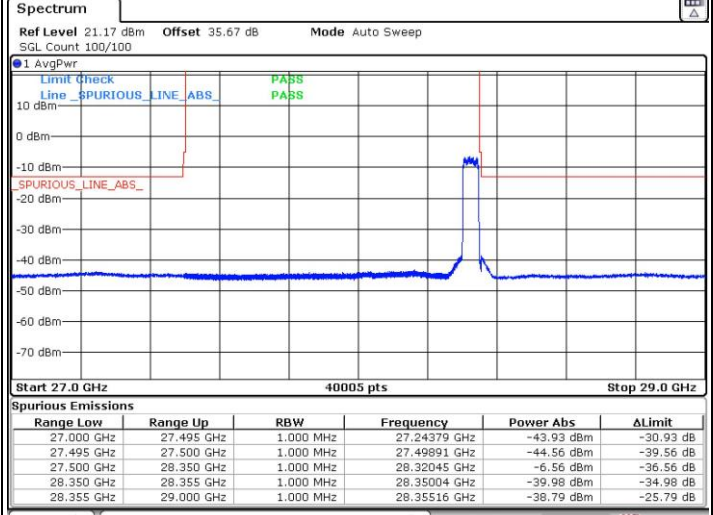
## NR Band n261 / 50MHz / 16QAM

## Lowest Band Edge / Full RB



Date: 28.APR.2020 17:18:55

## Highest Band Edge / Full RB



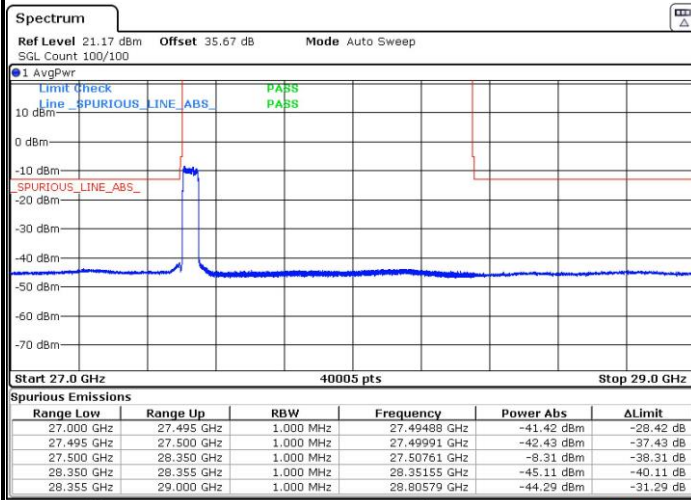
Date: 29.APR.2020 00:38:53



## CP-OFDM Module 1

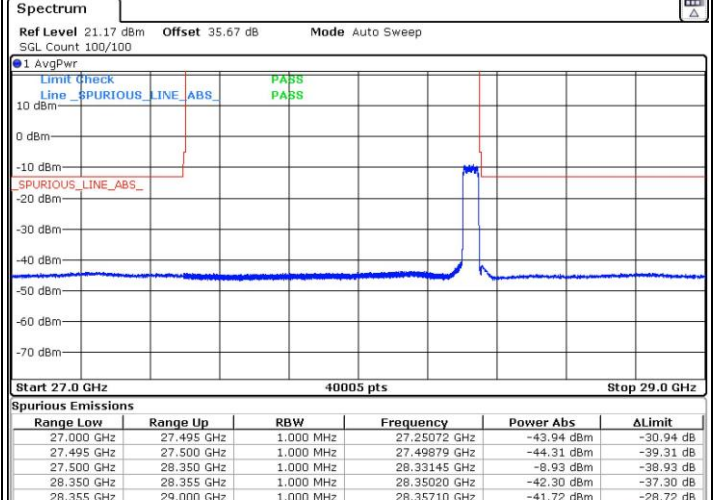
## NR Band n261 / 50MHz / 64QAM

## Lowest Band Edge / Full RB



Date: 28.APR.2020 17:19:22

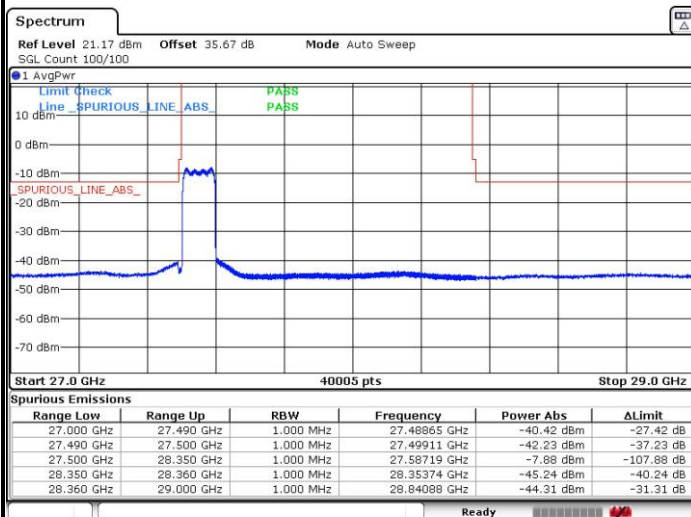
## Highest Band Edge / Full RB



Date: 29.APR.2020 00:40:45

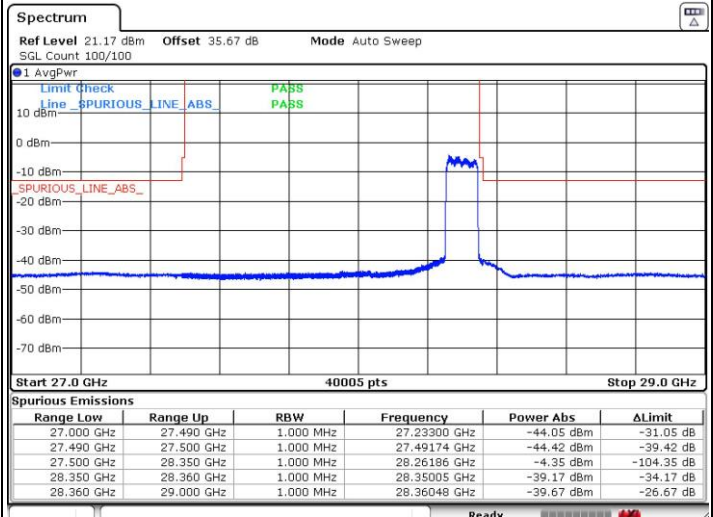
## NR Band n261 / 100MHz / QPSK

## Lowest Band Edge / Full RB



Date: 28.APR.2020 21:38:35

## Highest Band Edge / Full RB



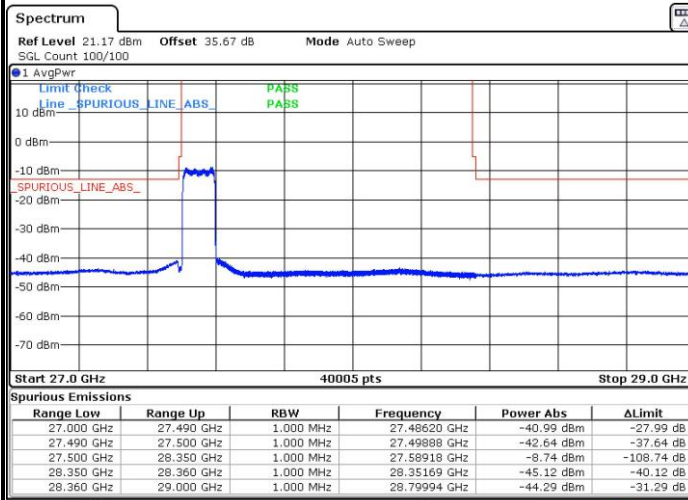
Date: 29.APR.2020 14:12:25



## CP-OFDM Module 1

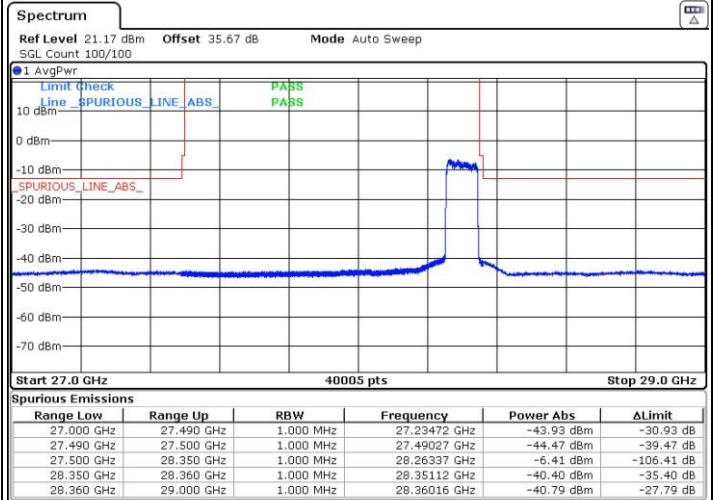
## NR Band n261 / 100MHz / 16QAM

## Lowest Band Edge / Full RB



Date: 28.APR.2020 21:39:20

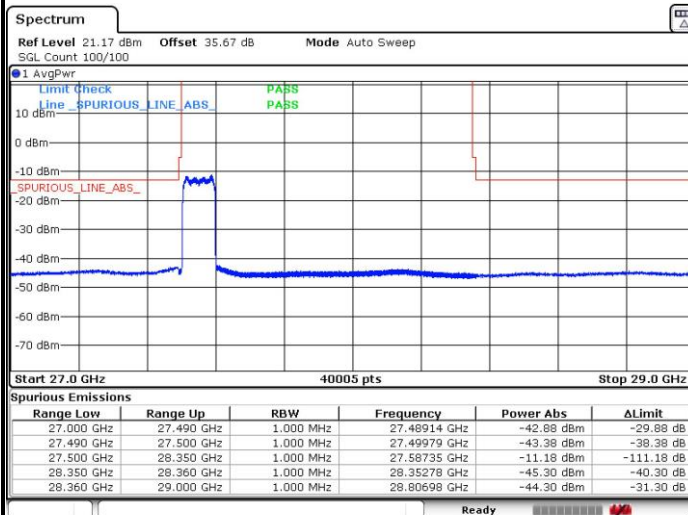
## Highest Band Edge / Full RB



Date: 29.APR.2020 14:14:38

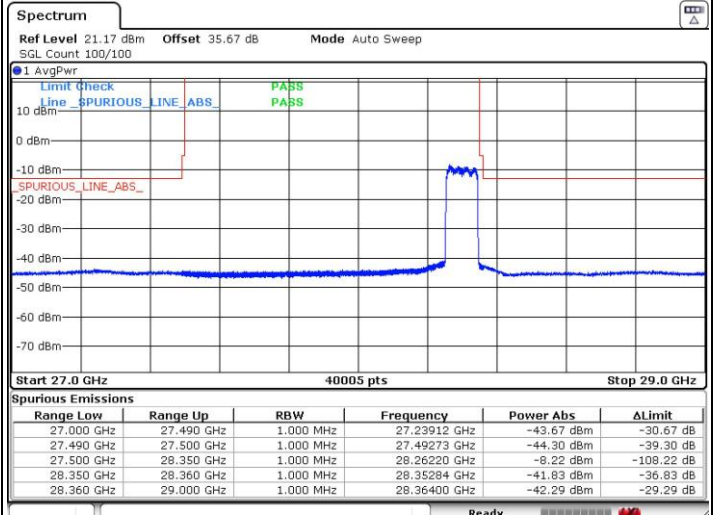
## NR Band n261 / 100MHz / 64QAM

## Lowest Band Edge / Full RB



Date: 28.APR.2020 21:40:00

## Highest Band Edge / Full RB



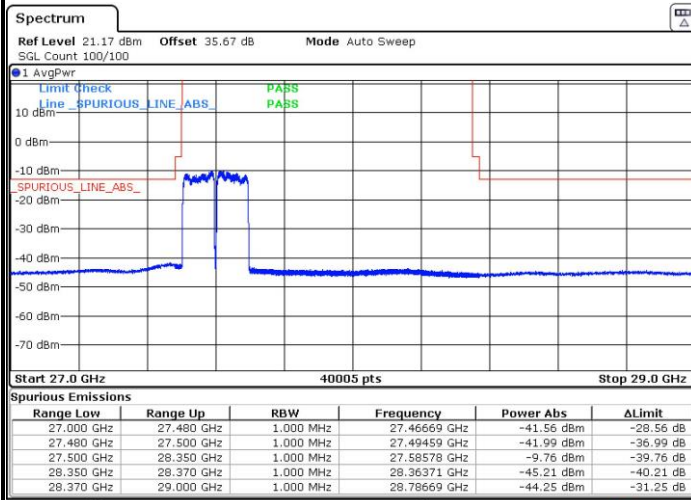
Date: 29.APR.2020 14:15:20



## CP-OFDM Module 1

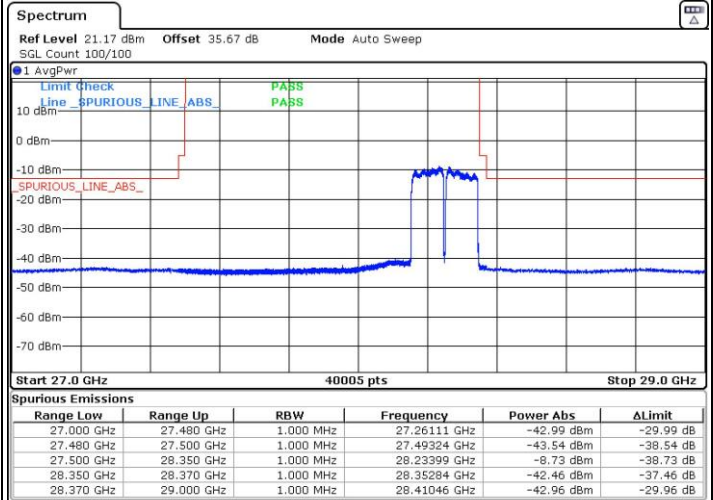
## NR Band n261 / 200MHz / QPSK

## Lowest Band Edge / Full RB



Date: 30.APR.2020 23:35:04

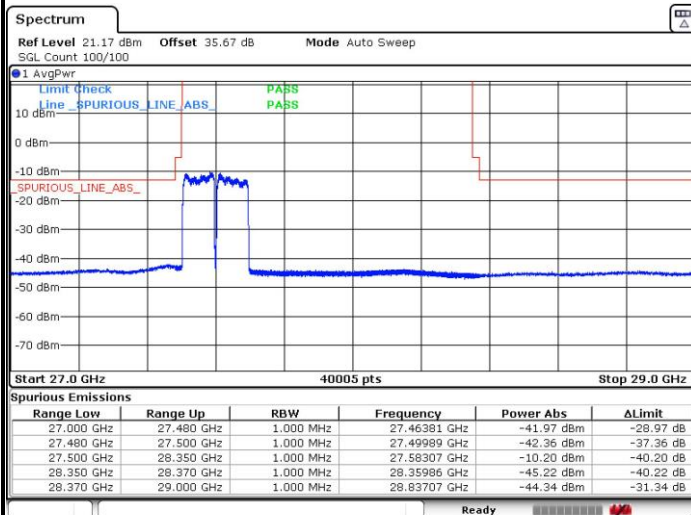
## Highest Band Edge / Full RB



Date: 1.MAY.2020 19:16:50

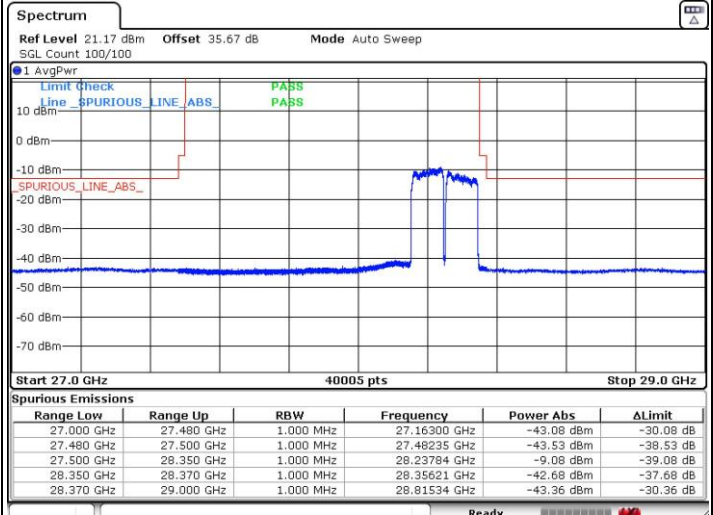
## NR Band n261 / 200MHz / 16QAM

## Lowest Band Edge / Full RB



Date: 30.APR.2020 23:34:24

## Highest Band Edge / Full RB



Date: 1.MAY.2020 19:16:17



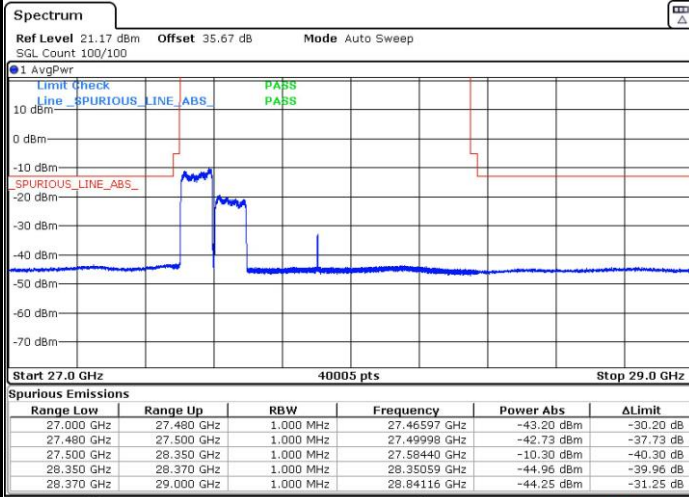


## CP-OFDM Module 1

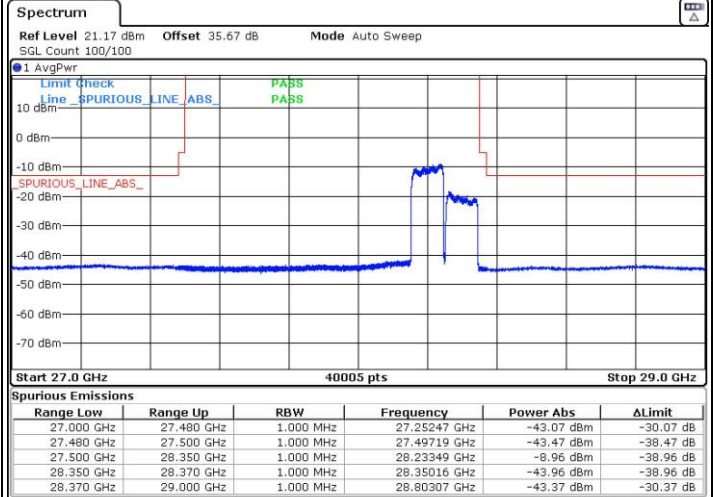
## NR Band n261 / 200MHz / 64QAM

## Lowest Band Edge / Full RB

## Highest Band Edge / Full RB



Date: 30.APR.2020 23:33:15



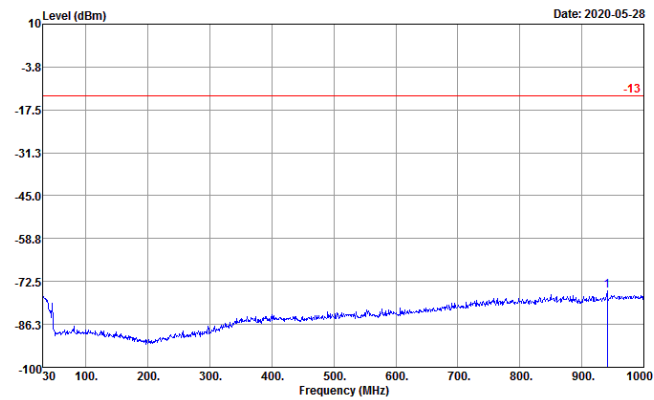
Date: 1.MAY.2020 19:15:27



## **Spurious Emission**

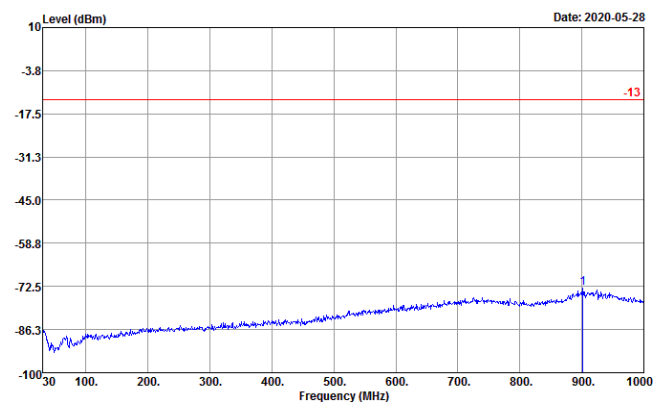


There is no significant spurious emission signal found for frequency started from 9kHz up to 18GHz.  
Only the noise floor is reported.

**NR Band n261 (30MHz-1GHz)****Horizontal**

Site : 03CH10-HY  
Condition : -13 EIRP\_WO HORIZONTAL  
Project : 011718-01  
          : n261-A61-B155-H-100M-1R811-DFT-S

|   | Freq   | Level  | Over<br>Limit | Limit<br>Line | LISN<br>Factor |
|---|--------|--------|---------------|---------------|----------------|
|   | MHz    | dBm    | dB            | dBm           | dB             |
| 1 | 940.83 | -75.50 | -62.50        | -13.00        | 38.55          |

**Vertical**

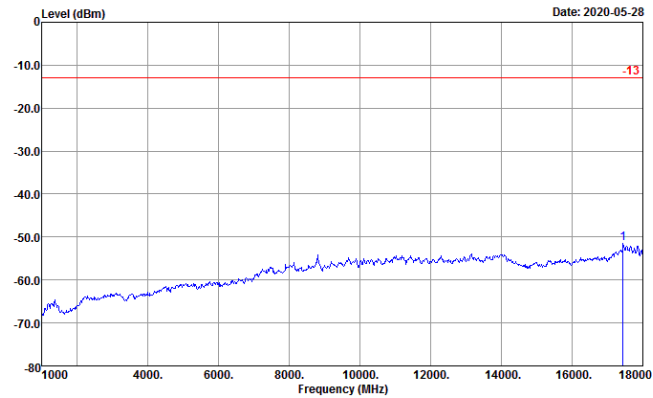
Site : 03CH10-HY  
Condition : -13 EIRP\_WO VERTICAL  
Project : 011718-01  
          : n261-A61-B155-H-100M-1R811-DFT-S

|   | Freq   | Level  | Over<br>Limit | Limit<br>Line | LISN<br>Factor |
|---|--------|--------|---------------|---------------|----------------|
|   | MHz    | dBm    | dB            | dBm           | dB             |
| 1 | 902.03 | -72.93 | -59.93        | -13.00        | 40.45          |



## NR Band n261 (1GHz-18GHz)

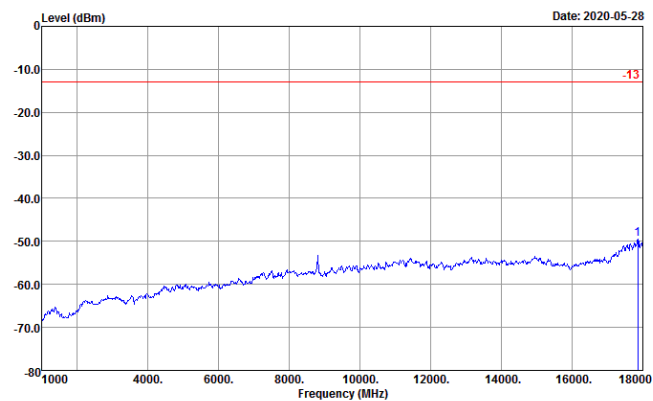
## Horizontal



Site : 03CH10-HY  
Condition : -13 EIRP\_WO HORIZONTAL  
Project : 011718-01  
: n261-A61-B155-H-100M-1R811-DFT-S

| Freq       | Level  | Over   | Limit  | LISN  |
|------------|--------|--------|--------|-------|
| MHz        | dBm    | dB     | dBm    | dB    |
| 1 17439.00 | -51.55 | -38.55 | -13.00 | 72.25 |

## Vertical



Site : 03CH10-HY  
Condition : -13 EIRP\_WO VERTICAL  
Project : 011718-01  
: n261-A61-B155-H-100M-1R811-DFT-S

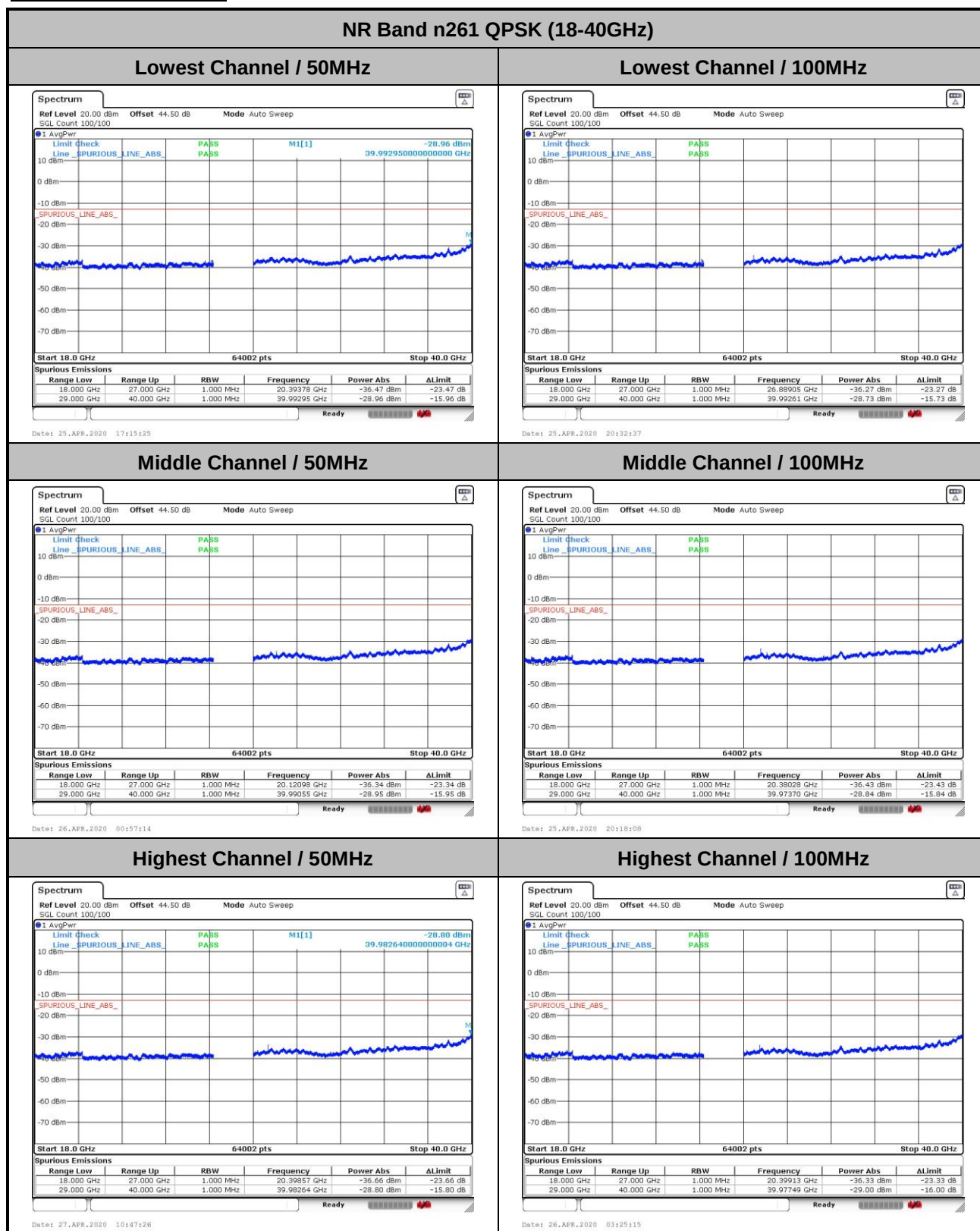
| Freq       | Level  | Over   | Limit  | LISN  |
|------------|--------|--------|--------|-------|
| MHz        | dBm    | dB     | dBm    | dB    |
| 1 17864.00 | -49.58 | -36.58 | -13.00 | 75.27 |





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

### DFT-s-OFDM Module 0



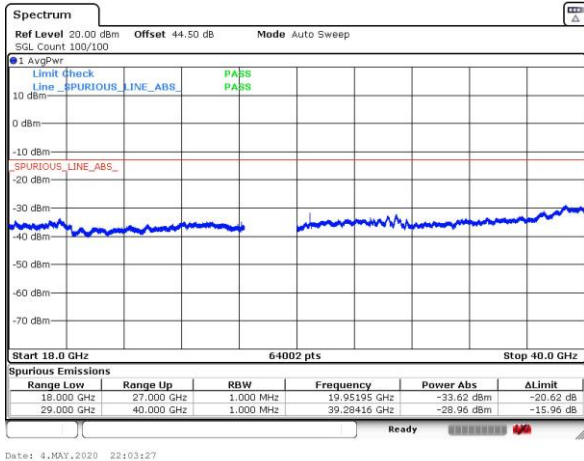
Remark: In band and out of band frequencies are omitted.



## DFT-s-OFDM Module 0

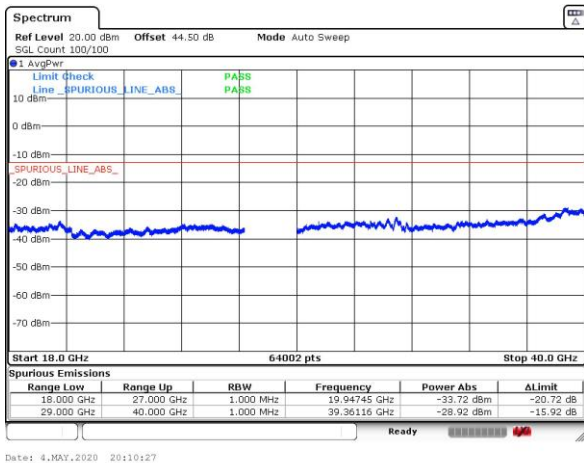
## NR Band n261 QPSK (18-40GHz)

## Lowest Channel / 200MHz



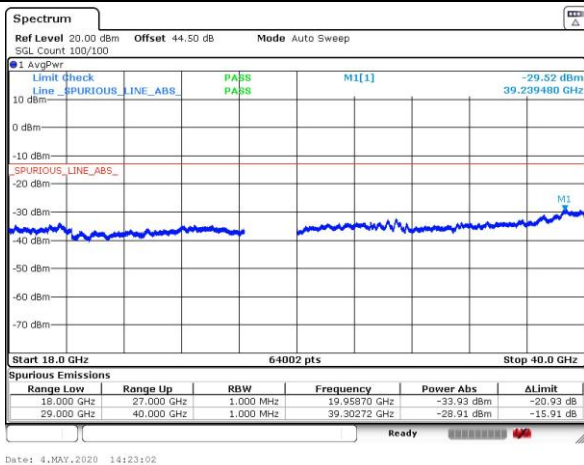
intentionally blank

## Middle Channel / 200MHz



intentionally blank

## Highest Channel / 200MHz



intentionally blank

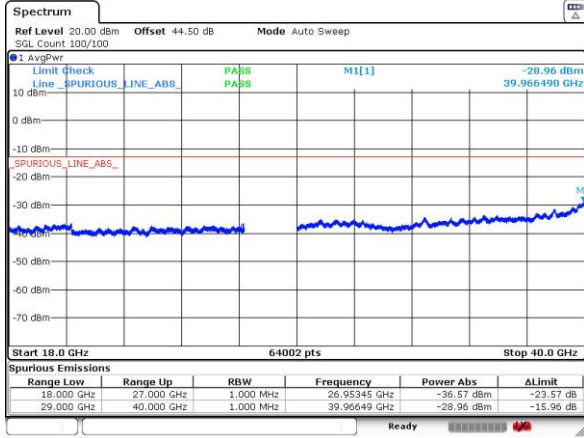
Remark: In band and out of band frequencies are omitted.



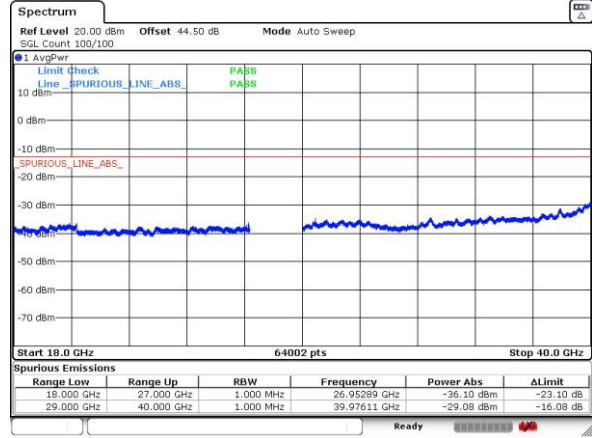
## DFT-s-OFDM Module 1

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

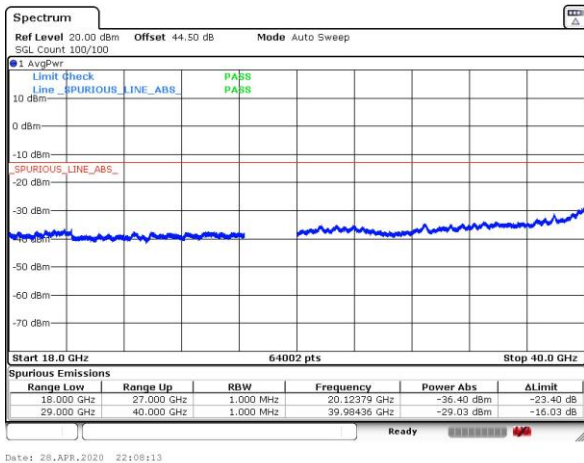
## Lowest Channel / 50MHz



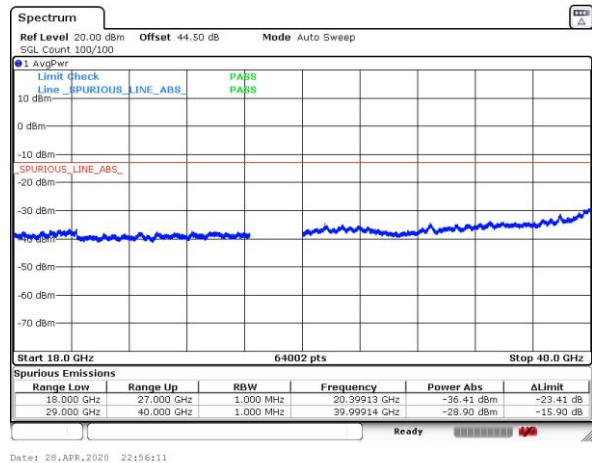
## Lowest Channel / 100MHz



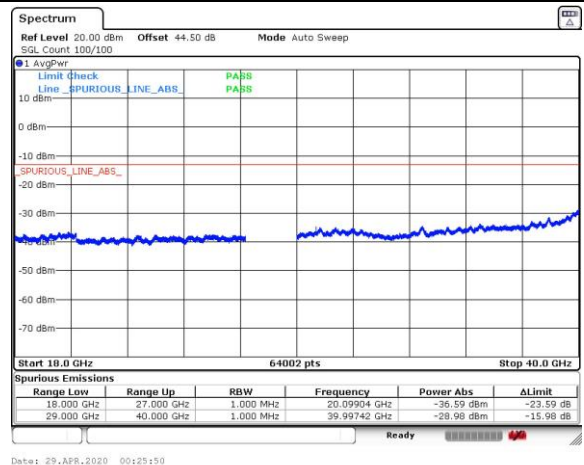
## Middle Channel / 50MHz



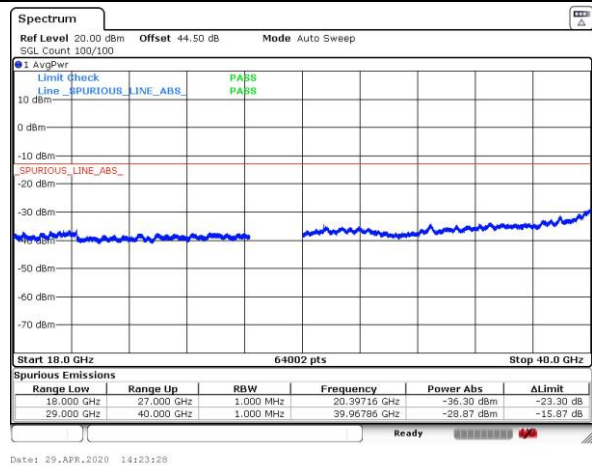
## Middle Channel / 100MHz



## Highest Channel / 50MHz



## Highest Channel / 100MHz



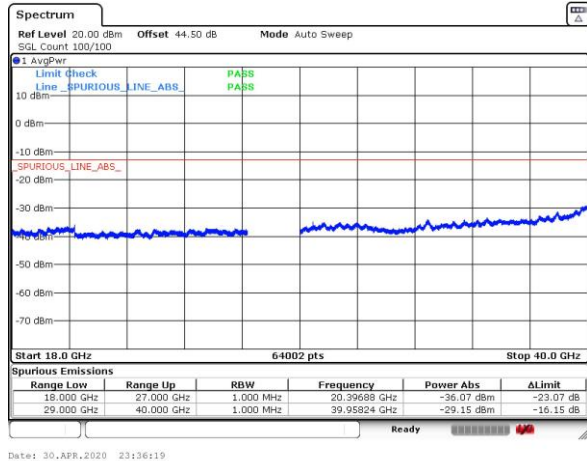
Remark: In band and out of band frequencies are omitted.



## DFT-s-OFDM Module 1

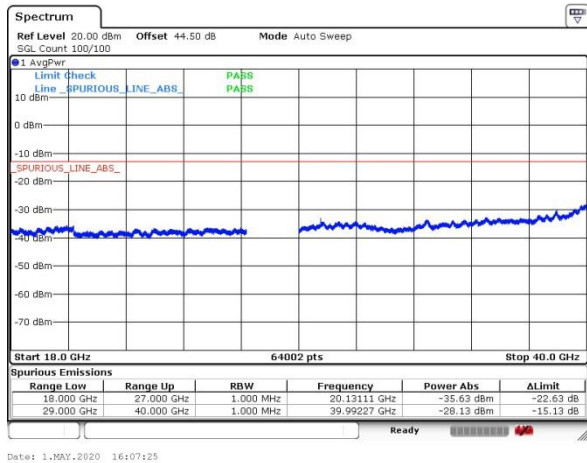
## NR Band n261 QPSK (18-40GHz)

## Lowest Channel / 200MHz



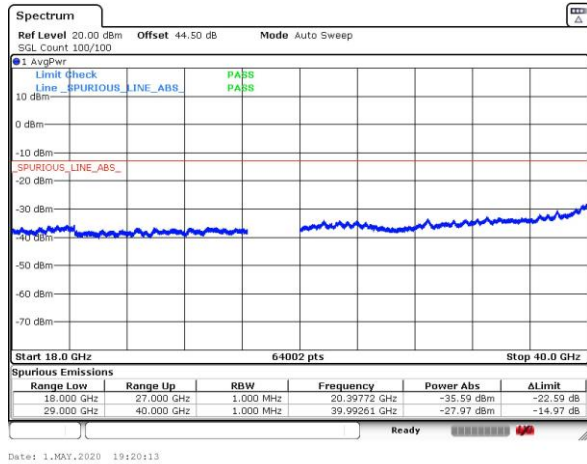
intentionally blank

## Middle Channel / 200MHz



intentionally blank

## Highest Channel / 200MHz



intentionally blank

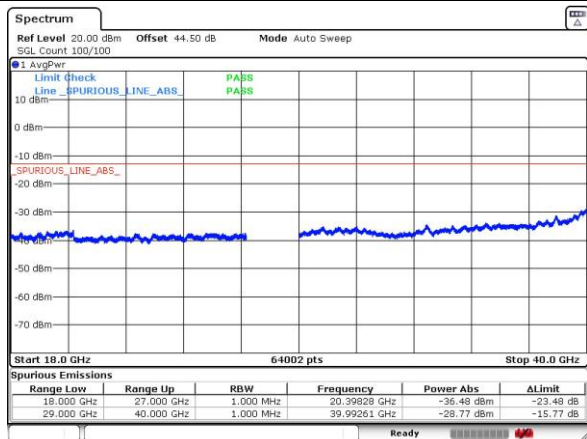
Remark: In band and out of band frequencies are omitted.



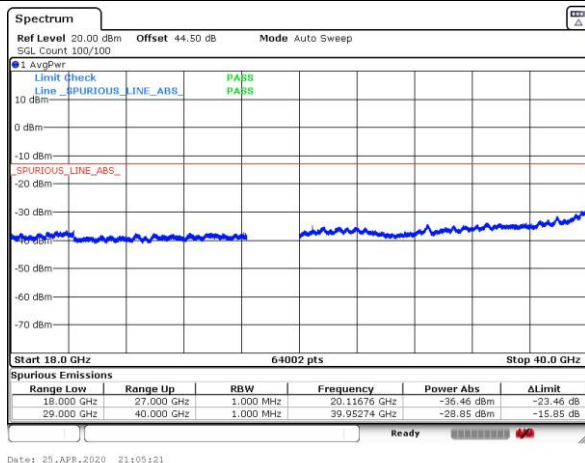
## CP-OFDM Module 0

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

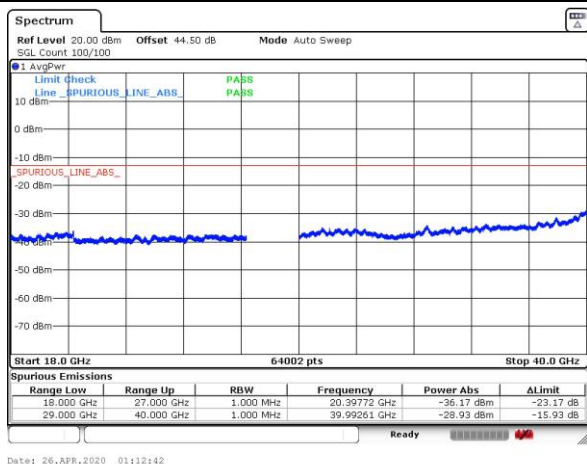
## Lowest Channel / 50MHz



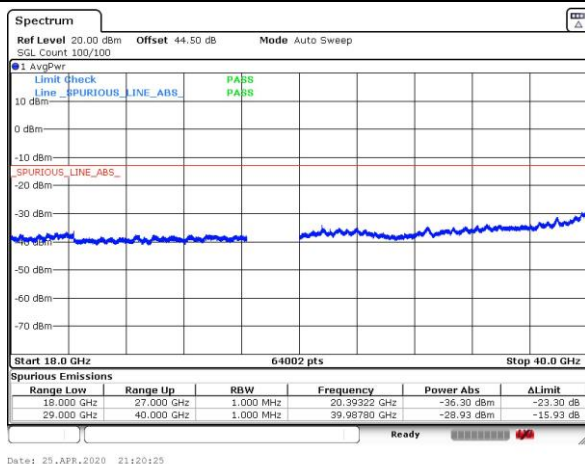
## Lowest Channel / 100MHz



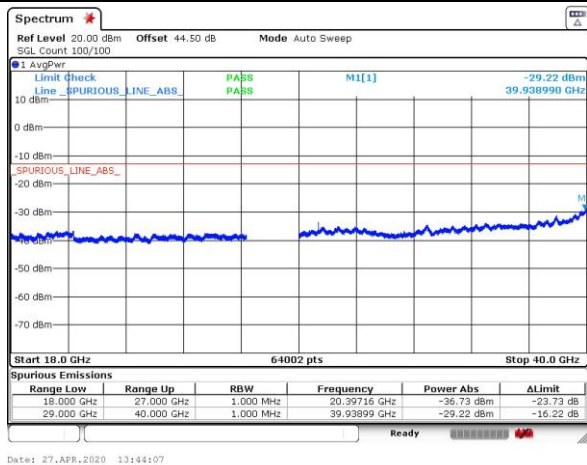
## Middle Channel / 50MHz



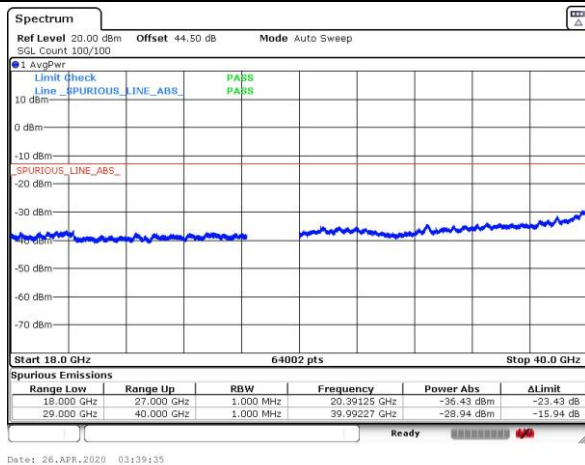
## Middle Channel / 100MHz



## Highest Channel / 50MHz



## Highest Channel / 100MHz



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

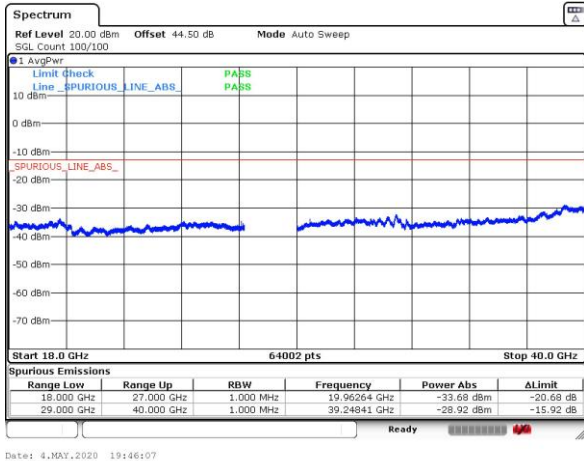




## CP-OFDM Module 0

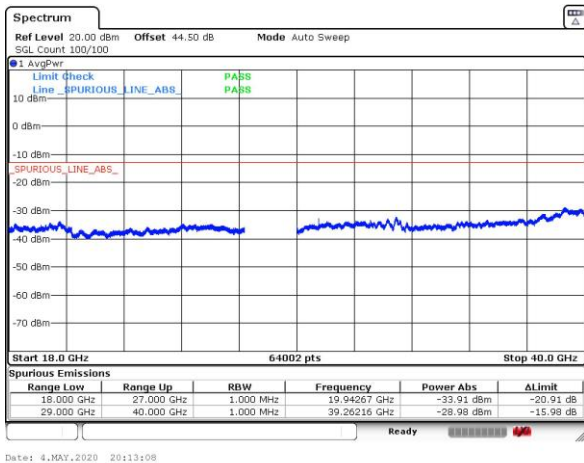
## NR Band n261 QPSK (18-40GHz)

## Lowest Channel / 200MHz



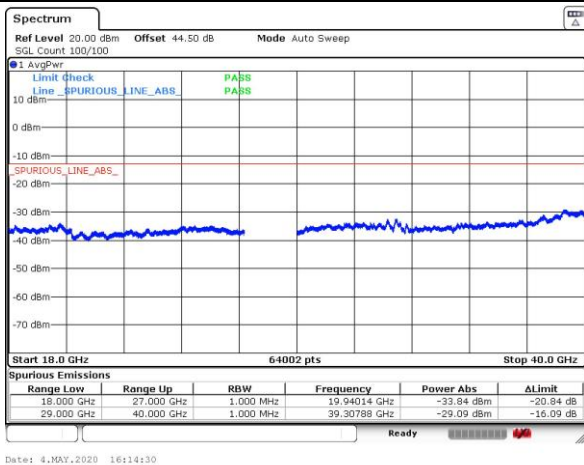
intentionally blank

## Middle Channel / 200MHz



intentionally blank

## Highest Channel / 200MHz



intentionally blank

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

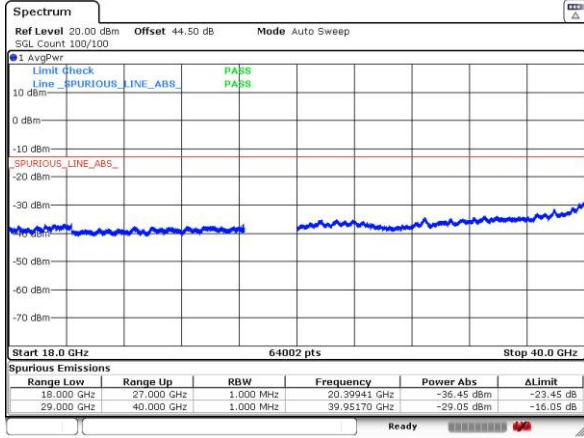




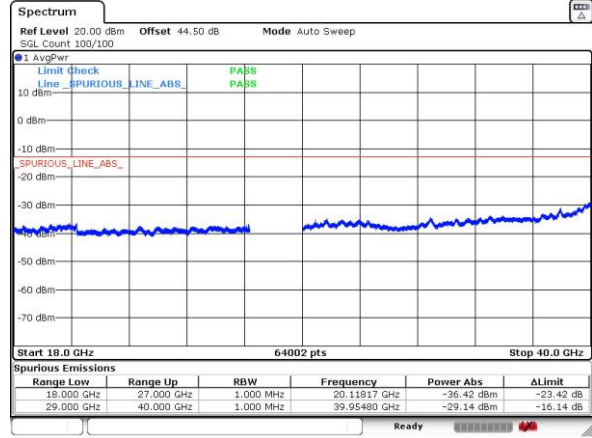
## CP-OFDM Module 1

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

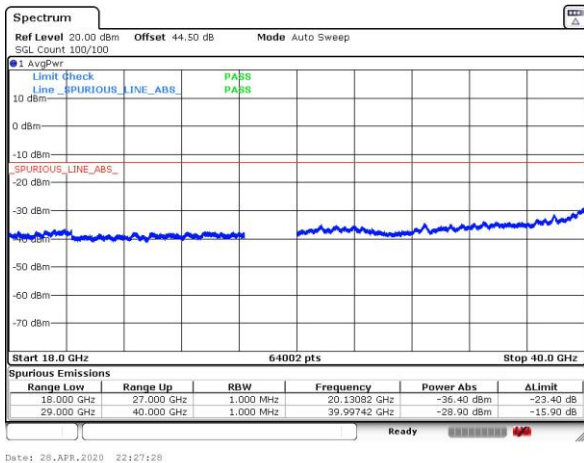
## Lowest Channel / 50MHz



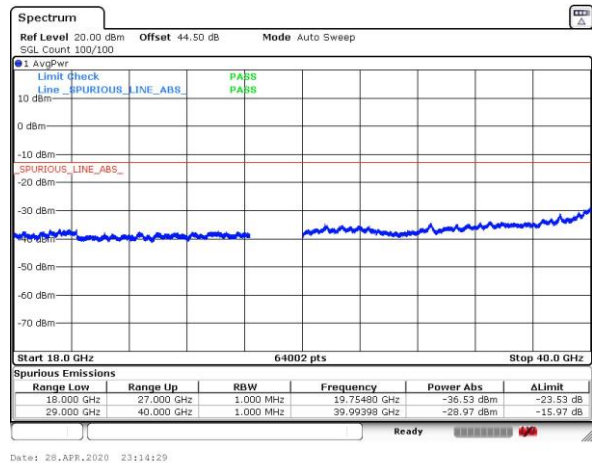
## Lowest Channel / 100MHz



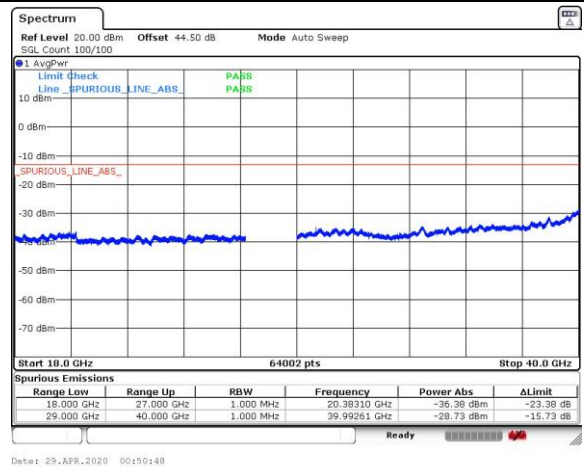
## Middle Channel / 50MHz



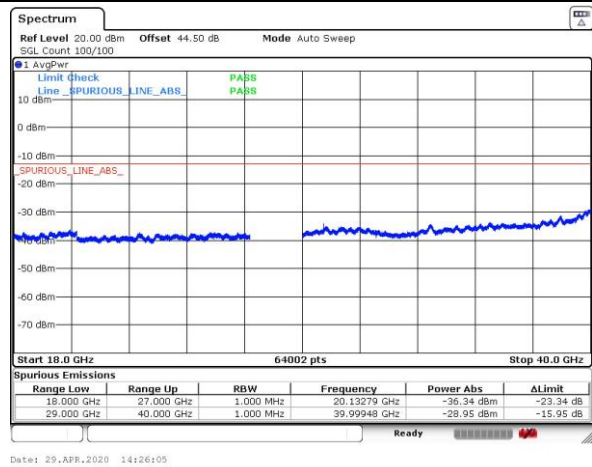
## Middle Channel / 100MHz



## Highest Channel / 50MHz



## Highest Channel / 100MHz



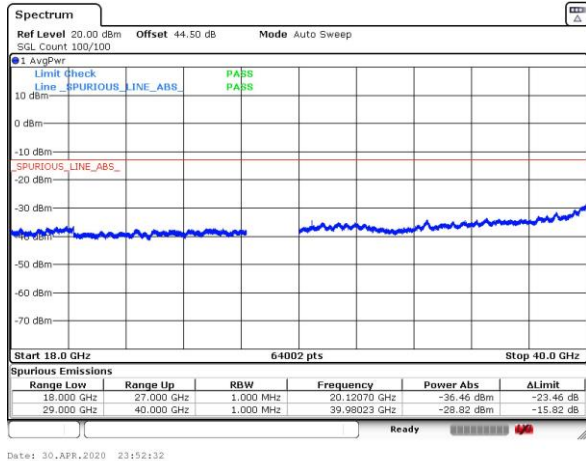
Remark: In band and out of band frequencies are omitted.



## CP-OFDM Module 1

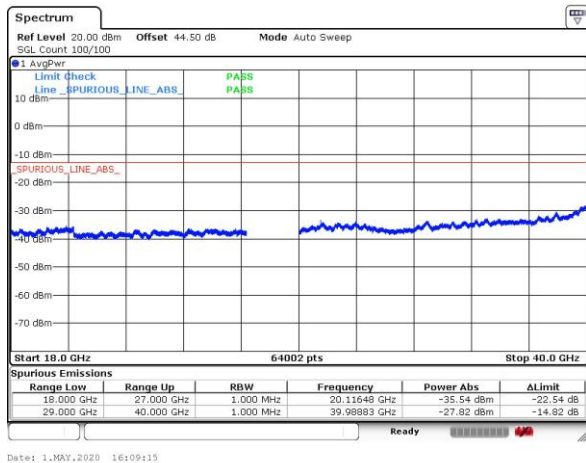
## NR Band n261 QPSK (18-40GHz)

## Lowest Channel / 200MHz



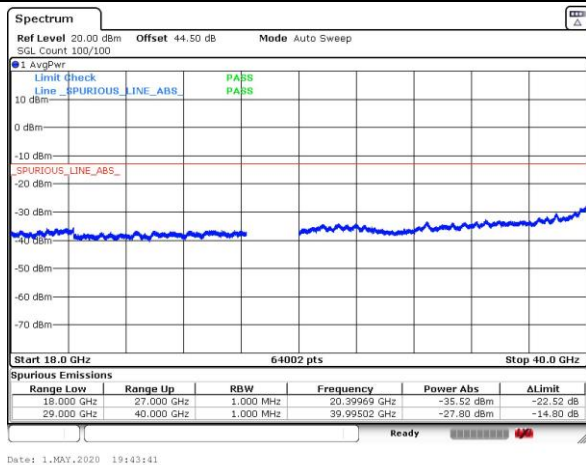
intentionally blank

## Middle Channel / 200MHz



intentionally blank

## Highest Channel / 200MHz

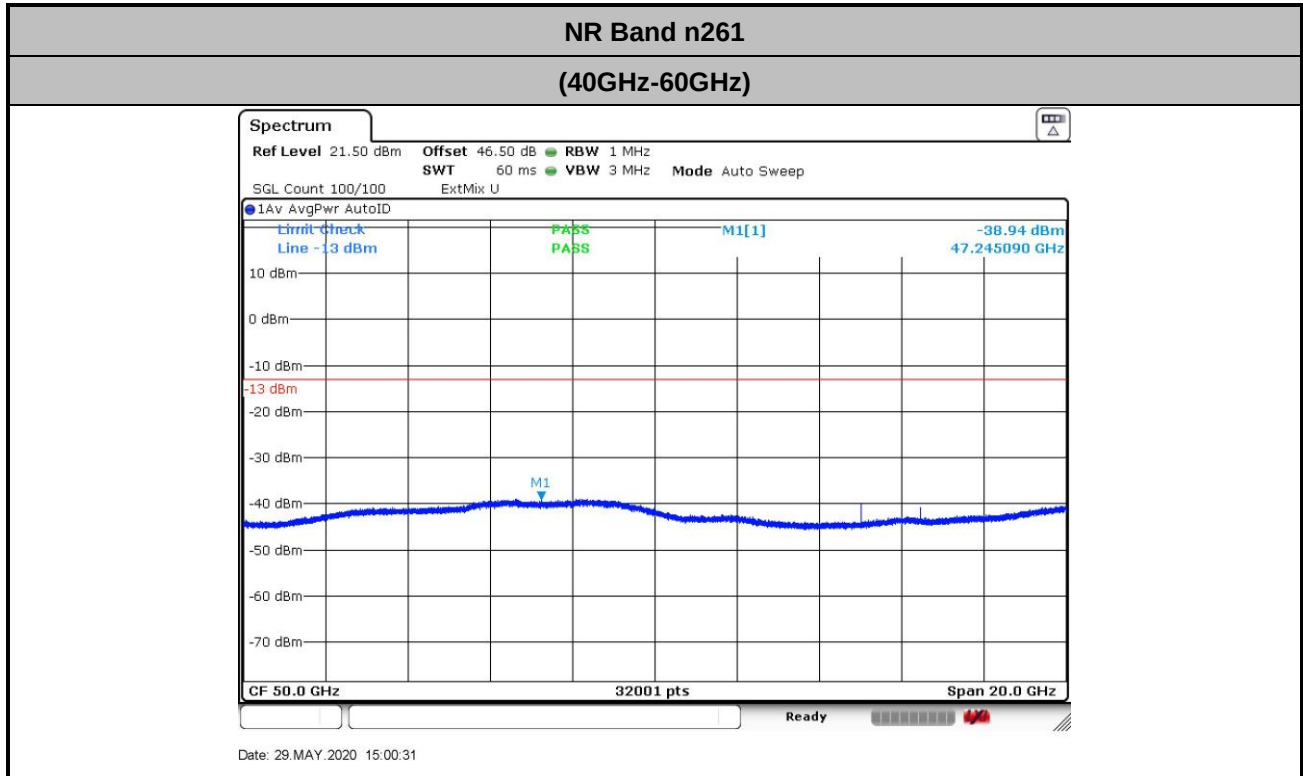


intentionally blank

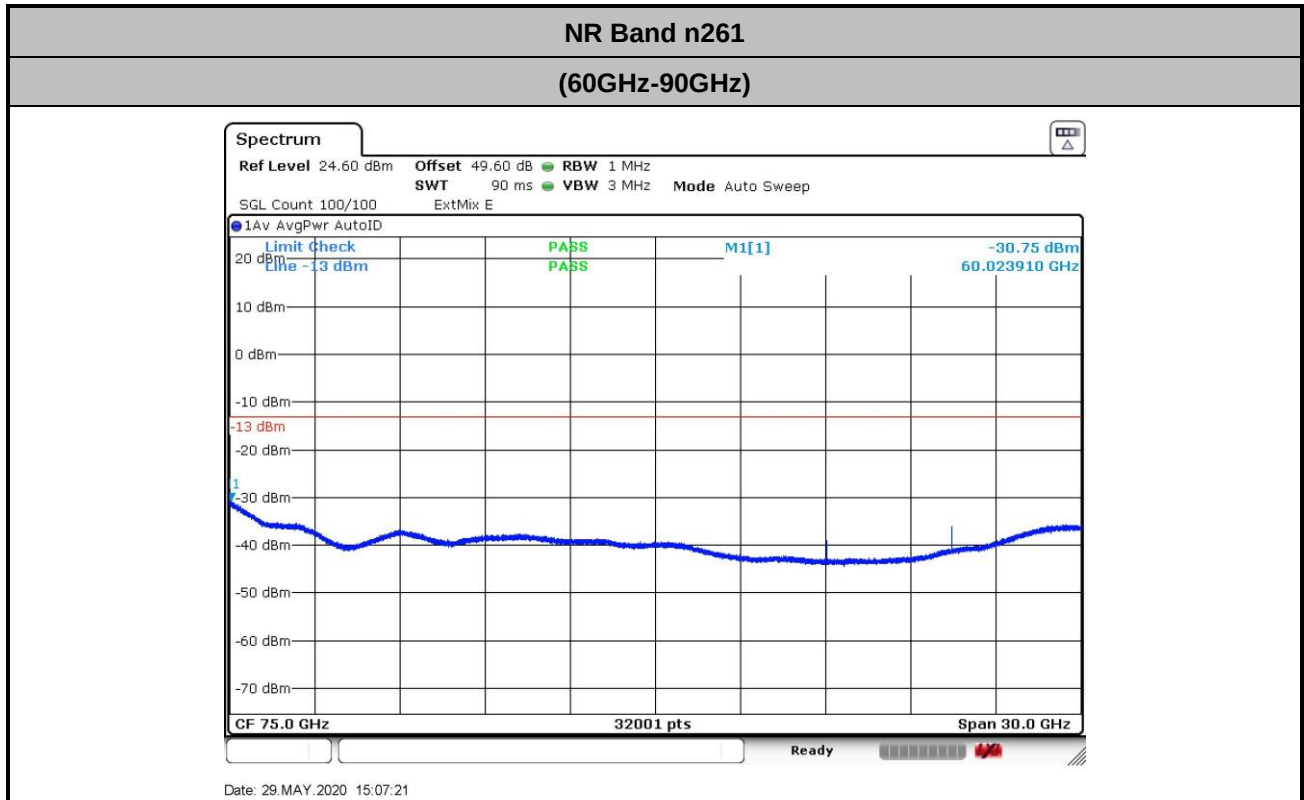
Remark: In band and out of band frequencies are omitted.



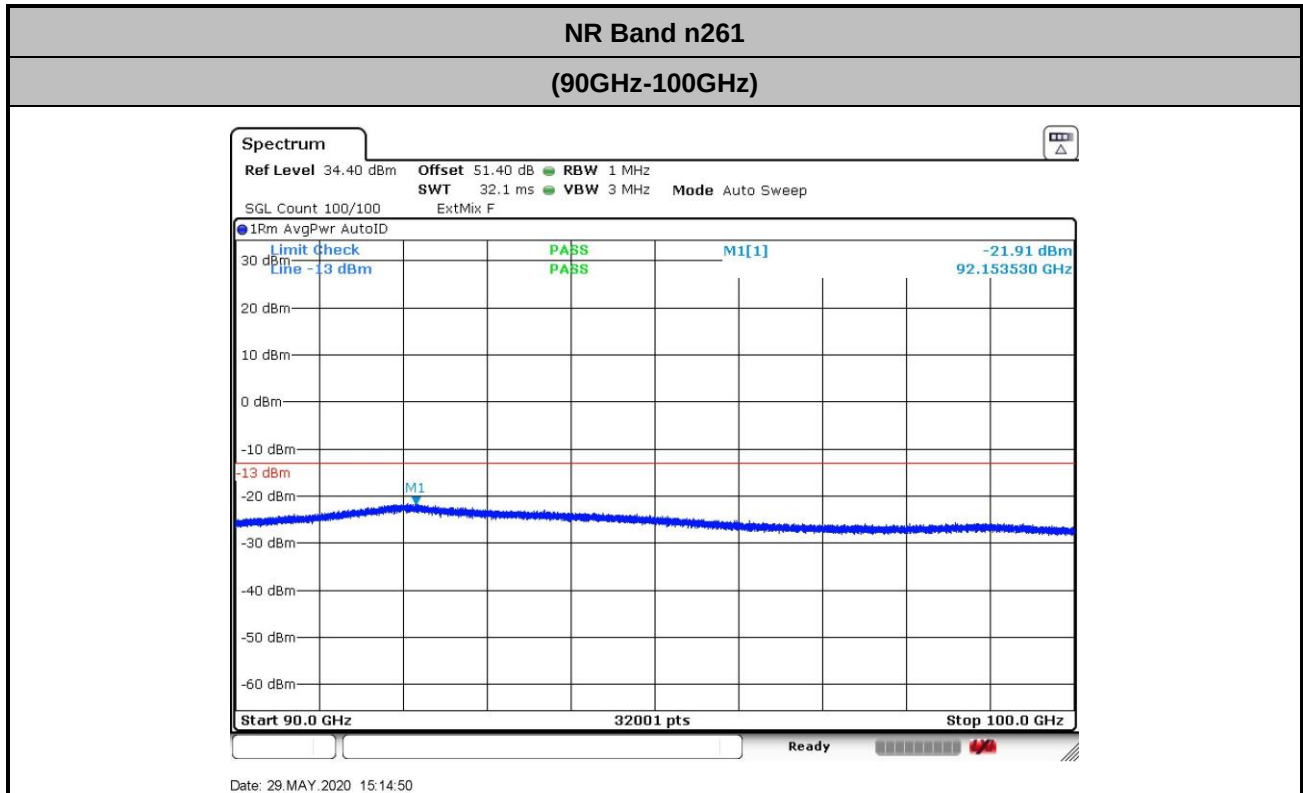
There is no significant spurious emission signal found for frequency started from 40GHz up to 100GHz.  
Only the noise floor is reported.



$$\begin{aligned} \text{Offset} &= \text{Antenna Factor (dB/m)} + \text{Cable Loss (dB)} + 107 + 20\log(D) - 104.8 \\ &= 42.1 + 2.2 + 107 + 20\log(1) - 104.8 = 46.5 \text{ (dB)} \end{aligned}$$



$$\begin{aligned} \text{Offset} &= \text{Antenna Factor (dB/m)} + \text{Cable Loss (dB)} + 107 + 20\log(D) - 104.8 \\ &= 47.2 + 2.2 + 107 + 20\log(1) - 104.8 = 49.6 \text{ (dB)} \end{aligned}$$



$$\begin{aligned} \text{Offset} &= \text{Antenna Factor (dB/m)} + \text{Cable Loss (dB)} + 107 + 20\log(D) - 104.8 \\ &= 49.0 + 2.2 + 107 + 20\log(1) - 104.8 = 51.4 \text{ (dB)} \end{aligned}$$





## NR Band n261 AG0+AG1

## Occupied Bandwidth

| Mode       | DFT-s-OFDM Module 0 NR Band n261 : 99%OBW(MHz) |       |       |        |       |       |        |        |        |
|------------|------------------------------------------------|-------|-------|--------|-------|-------|--------|--------|--------|
| BW         | 50MHz                                          |       |       | 100MHz |       |       | 200MHz |        |        |
| Mod.       | QPSK                                           | 16QAM | 64QAM | QPSK   | 16QAM | 64QAM | QPSK   | 16QAM  | 64QAM  |
| Lowest CH  | 45.38                                          | 45.42 | 45.18 | 90.84  | 90.76 | 90.72 | 188.72 | 188.64 | 182.96 |
| Middle CH  | 45.42                                          | 45.24 | 45.40 | 90.16  | 90.32 | 90.48 | 188.56 | 188.72 | 185.52 |
| Highest CH | 45.00                                          | 45.30 | 45.12 | 90.56  | 90.68 | 90.68 | 188.48 | 188.56 | 185.36 |

| Mode       | DFT-s-OFDM Module 1 NR Band n261 : 99%OBW(MHz) |       |       |        |       |       |        |        |        |
|------------|------------------------------------------------|-------|-------|--------|-------|-------|--------|--------|--------|
| BW         | 50MHz                                          |       |       | 100MHz |       |       | 200MHz |        |        |
| Mod.       | QPSK                                           | 16QAM | 64QAM | QPSK   | 16QAM | 64QAM | QPSK   | 16QAM  | 64QAM  |
| Lowest CH  | 45.60                                          | 45.24 | 45.40 | 90.40  | 90.32 | 90.36 | 187.52 | 188.00 | 184.08 |
| Middle CH  | 45.30                                          | 45.46 | 45.14 | 90.40  | 90.36 | 90.28 | 188.16 | 188.08 | 184.96 |
| Highest CH | 45.30                                          | 45.38 | 45.14 | 90.24  | 90.16 | 89.72 | 187.68 | 187.44 | 185.2  |

| Mode       | CP-OFDM Module 0 NR Band n261 : 99%OBW(MHz) |       |       |        |       |       |        |        |        |
|------------|---------------------------------------------|-------|-------|--------|-------|-------|--------|--------|--------|
| BW         | 50MHz                                       |       |       | 100MHz |       |       | 200MHz |        |        |
| Mod.       | QPSK                                        | 16QAM | 64QAM | QPSK   | 16QAM | 64QAM | QPSK   | 16QAM  | 64QAM  |
| Lowest CH  | 45.28                                       | 45.20 | 45.02 | 92.80  | 93.24 | 92.84 | 189.76 | 185.04 | 189.76 |
| Middle CH  | 45.34                                       | 45.40 | 45.24 | 92.84  | 93.00 | 92.40 | 189.92 | 186.72 | 189.76 |
| Highest CH | 45.36                                       | 45.28 | 45.32 | 92.96  | 93.36 | 93.00 | 190.08 | 185.44 | 189.76 |

| Mode       | CP-OFDM Module 1 NR Band n261 : 99%OBW(MHz) |       |       |        |       |       |        |        |        |
|------------|---------------------------------------------|-------|-------|--------|-------|-------|--------|--------|--------|
| BW         | 50MHz                                       |       |       | 100MHz |       |       | 200MHz |        |        |
| Mod.       | QPSK                                        | 16QAM | 64QAM | QPSK   | 16QAM | 64QAM | QPSK   | 16QAM  | 64QAM  |
| Lowest CH  | 45.02                                       | 45.52 | 45.18 | 92.72  | 92.76 | 92.80 | 189.84 | 185.6  | 189.92 |
| Middle CH  | 45.22                                       | 45.28 | 45.20 | 92.68  | 92.64 | 92.56 | 189.84 | 185.92 | 190.08 |
| Highest CH | 45.14                                       | 45.24 | 45.20 | 92.52  | 92.40 | 92.36 | 189.12 | 184.16 | 189.44 |



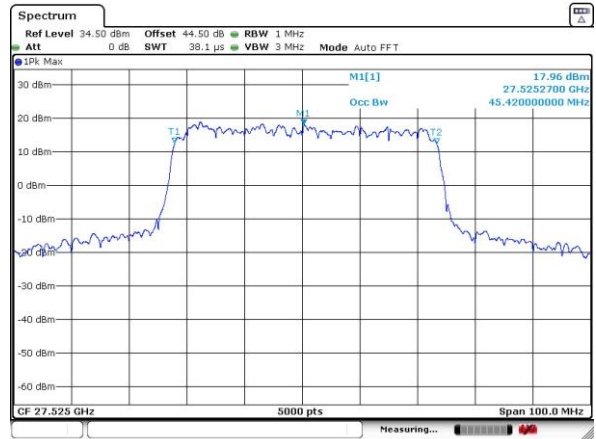
## DFT-s-OFDM Module 0

## NR Band n261

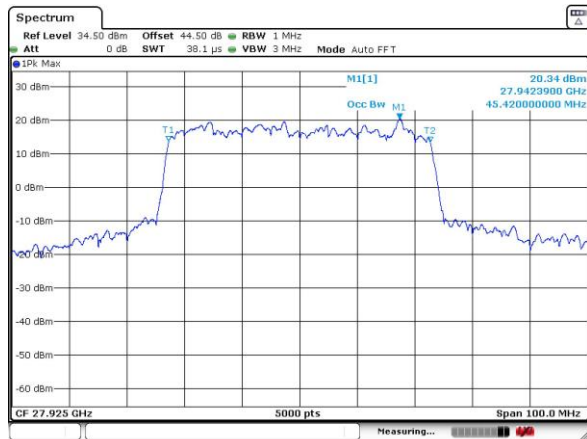
## Lowest Channel / 50MHz / QPSK



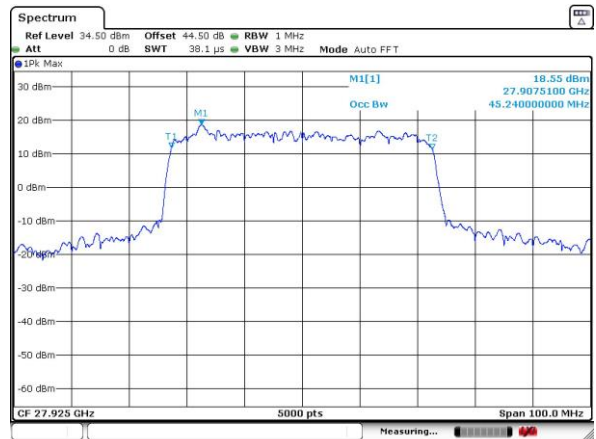
## Lowest Channel / 50MHz / 16QAM



## Middle Channel / 50MHz / QPSK



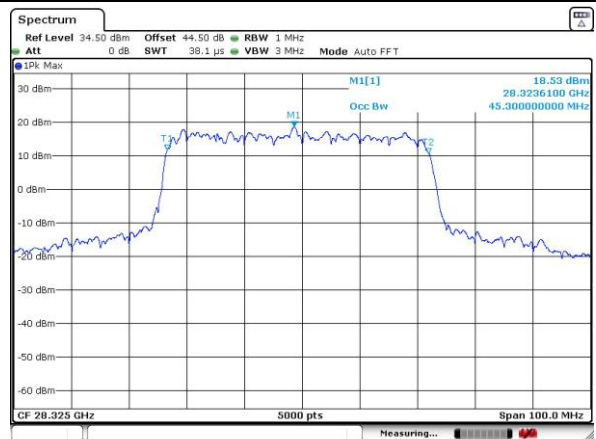
## Middle Channel / 50MHz / 16QAM



## Highest Channel / 50MHz / QPSK

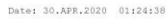


## Highest Channel / 50MHz / 16QAM





**Lowest Channel / 50MHz / 64QAM**



Date: 30.APR.2020 22:25:01

Date: 30.APR.2020 23:27:16

Date: 1.MAY.2020 00:18:04

Date: 1.MAY.2020 00:56:48

Date: 1.MAY.2020 15:55:49