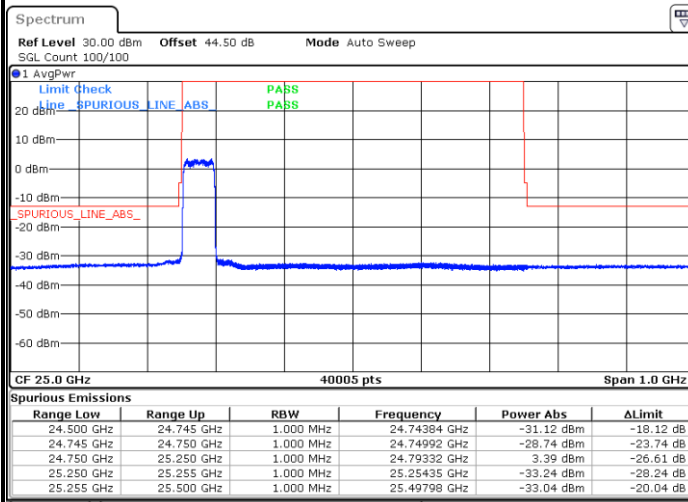




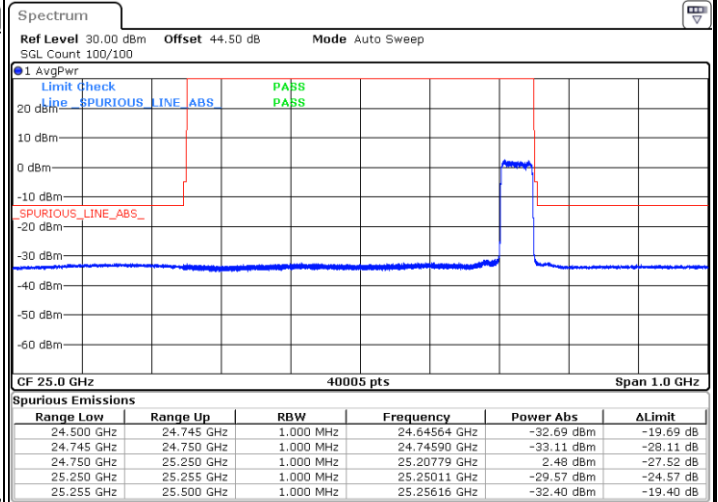
## DFT-s-OFDM Module 0

## NR Band n258b/ 50MHz / BPSK

## Lowest Band Edge / Full RB

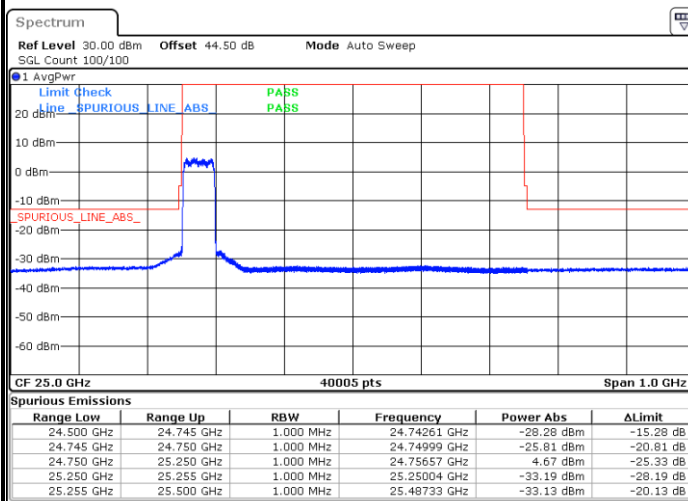


## Highest Band Edge / Full RB

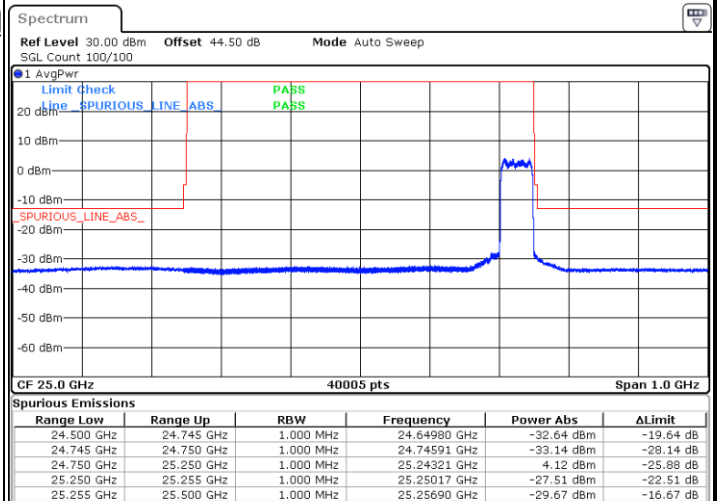


## NR Band n258b/ 50MHz / QPSK

## Lowest Band Edge / Full RB



## Highest Band Edge / Full RB

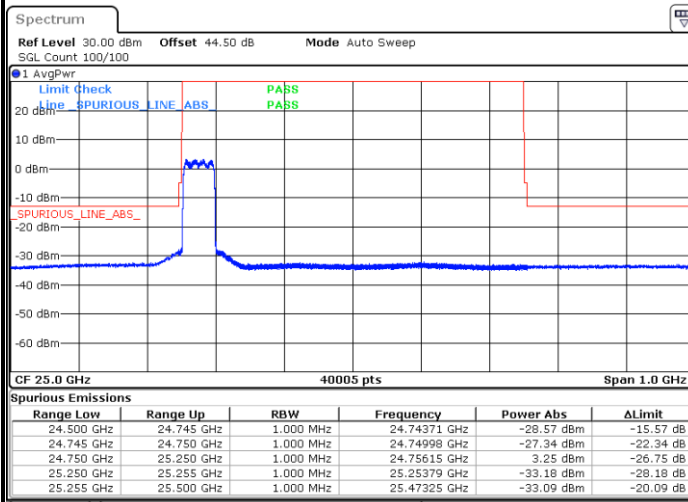




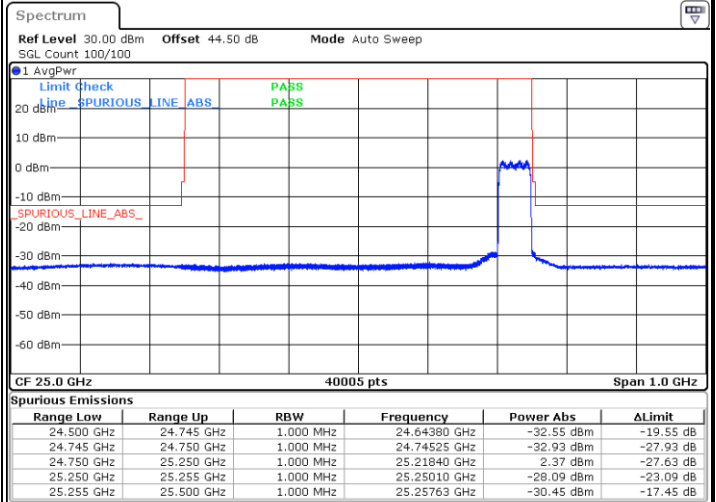
## DFT-s-OFDM Module 0

## NR Band n258b/ 50MHz / 16QAM

## Lowest Band Edge / Full RB

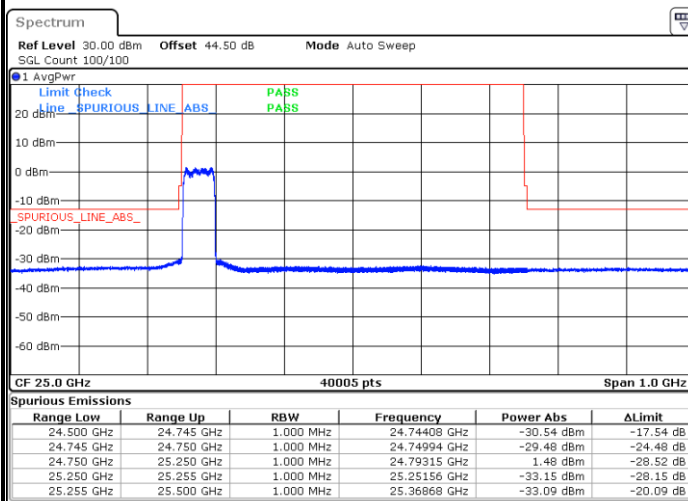


## Highest Band Edge / Full RB

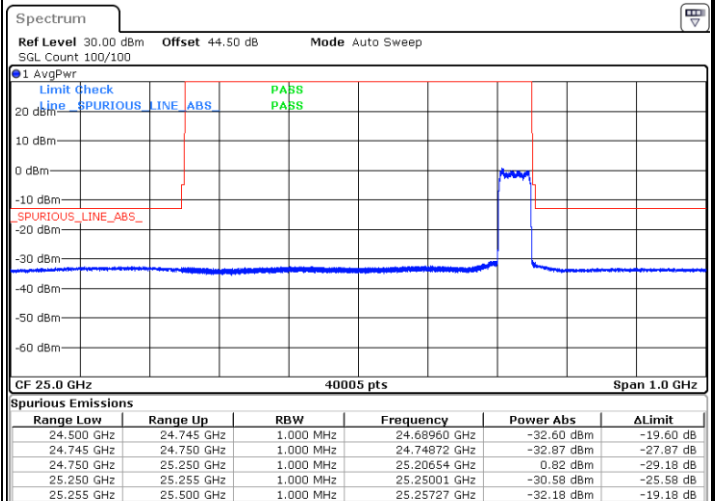


## NR Band n258b/ 50MHz / 64QAM

## Lowest Band Edge / Full RB



## Highest Band Edge / Full RB

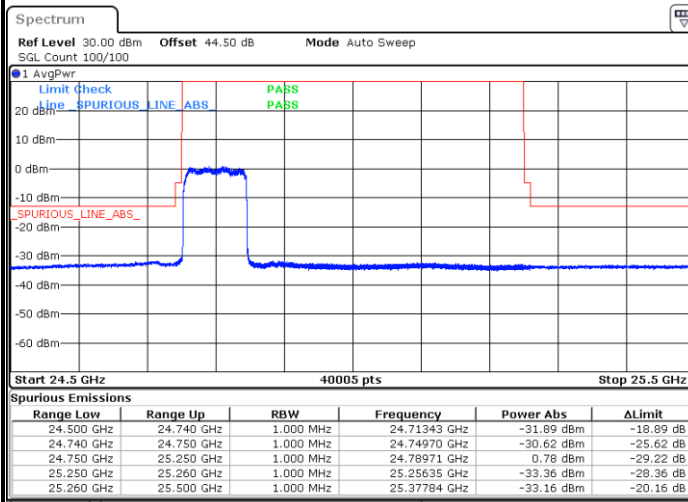




## DFT-s-OFDM Module 0

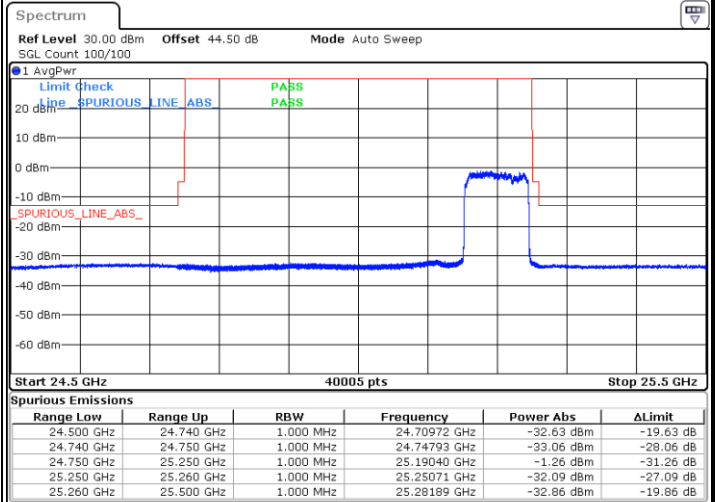
## NR Band n258b/ 100MHz / BPSK

## Lowest Band Edge / Full RB



Date: 31.JUL.2020 06:34:28

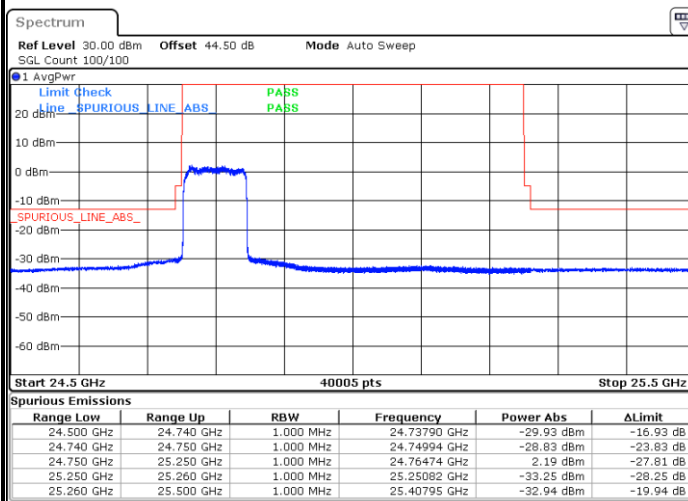
## Highest Band Edge / Full RB



Date: 31.JUL.2020 20:26:16

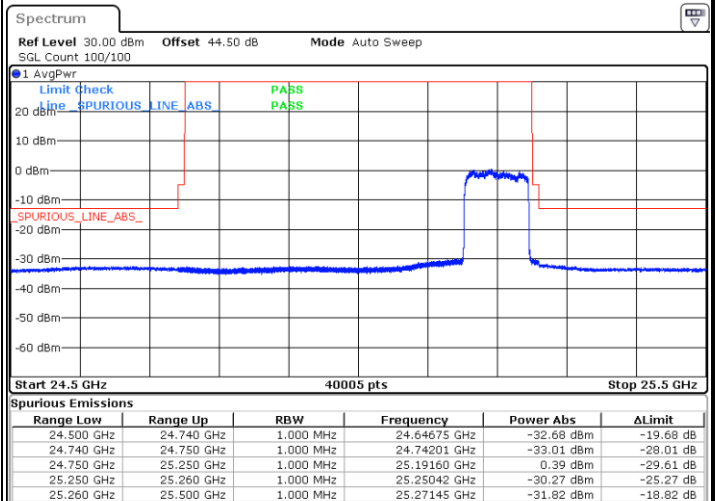
## NR Band n258b/ 100MHz / QPSK

## Lowest Band Edge / Full RB



Date: 31.JUL.2020 06:32:49

## Highest Band Edge / Full RB



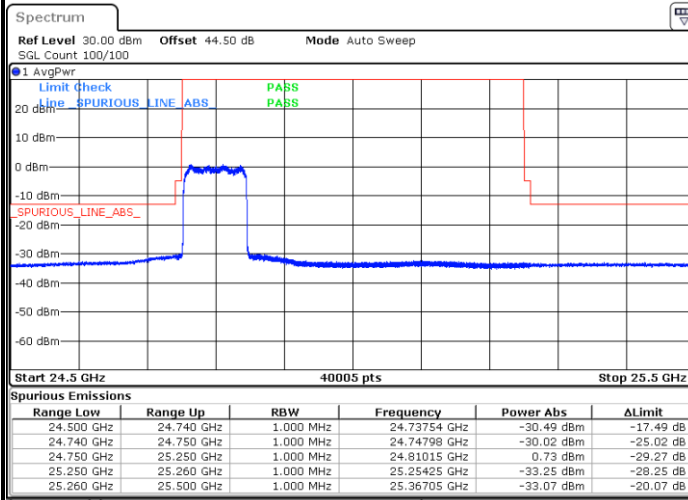
Date: 31.JUL.2020 20:22:46



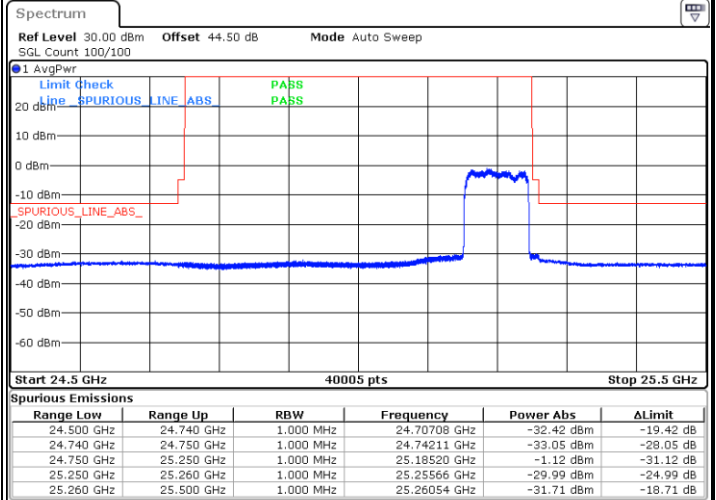
## DFT-s-OFDM Module 0

## NR Band n258b/ 100MHz / 16QAM

## Lowest Band Edge / Full RB

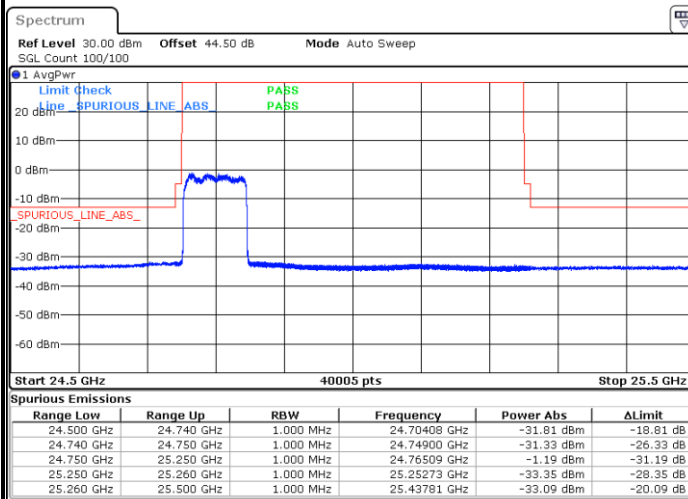


## Highest Band Edge / Full RB

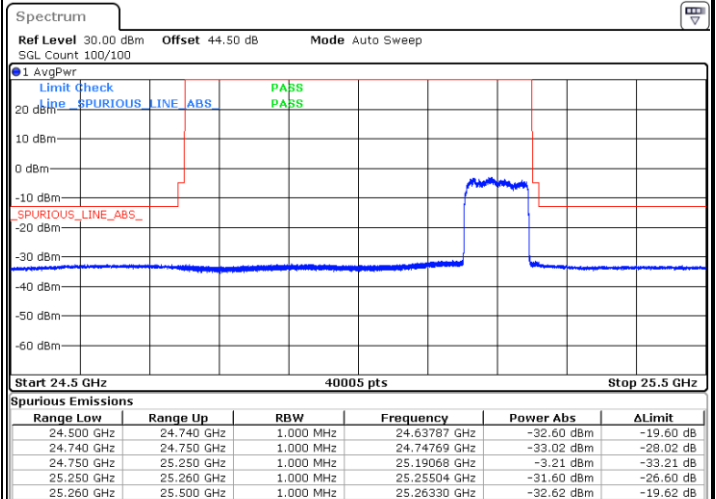


## NR Band n258b/ 100MHz / 64QAM

## Lowest Band Edge / Full RB



## Highest Band Edge / Full RB

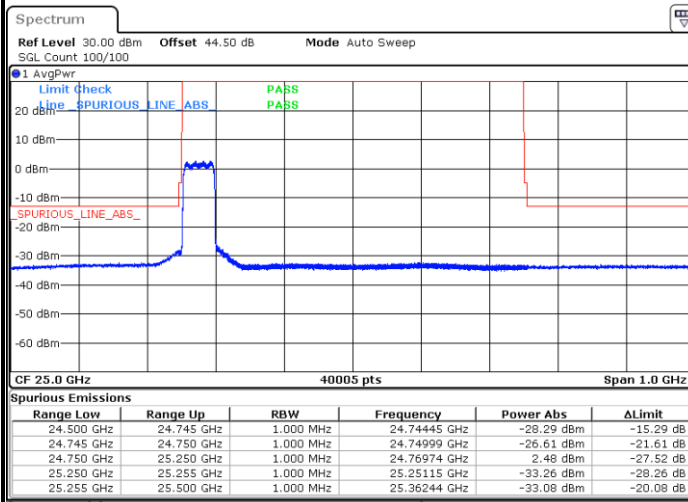




## CP-OFDM Module 0

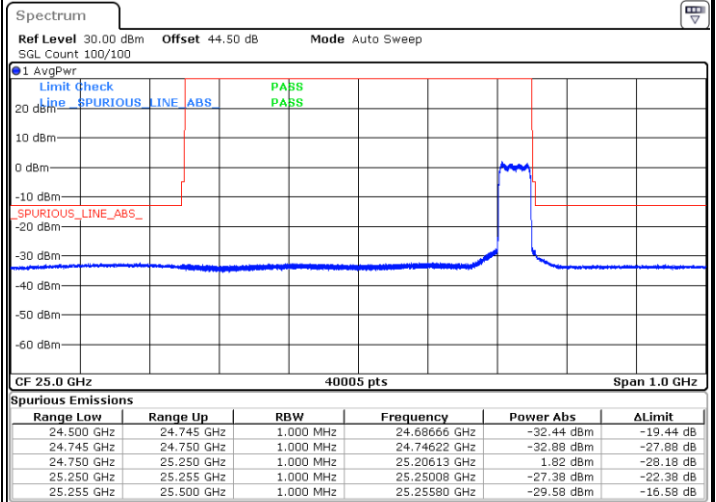
## NR Band n258b/ 50MHz / QPSK

## Lowest Band Edge / Full RB



Date: 31.JUL.2020 05:09:46

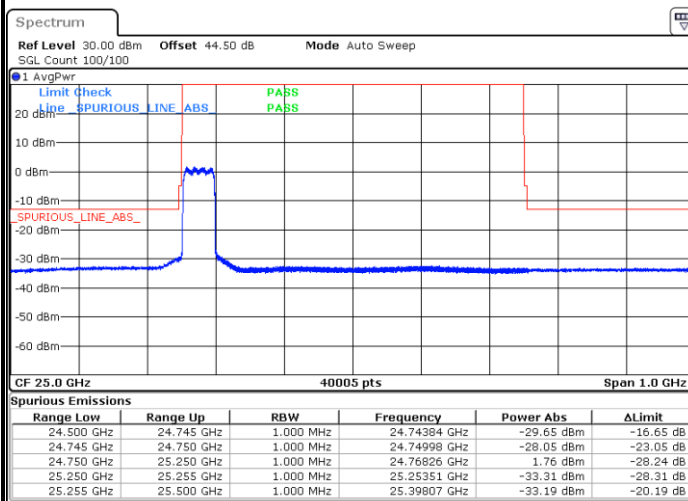
## Highest Band Edge / Full RB



Date: 31.JUL.2020 17:06:20

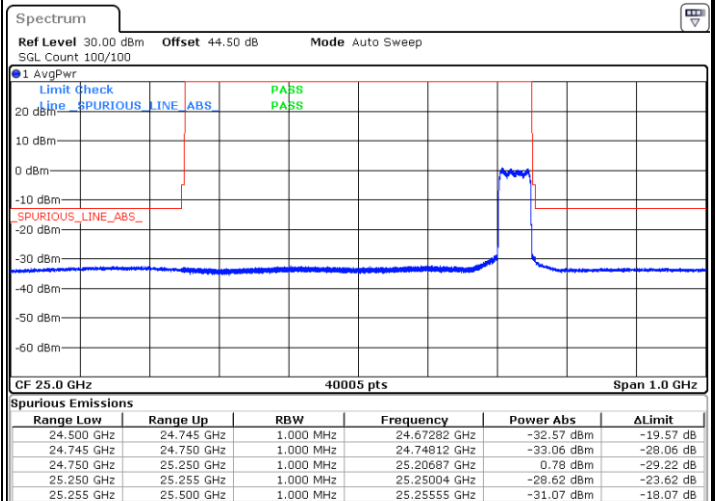
## NR Band n258b/ 50MHz / 16QAM

## Lowest Band Edge / Full RB



Date: 31.JUL.2020 05:07:43

## Highest Band Edge / Full RB



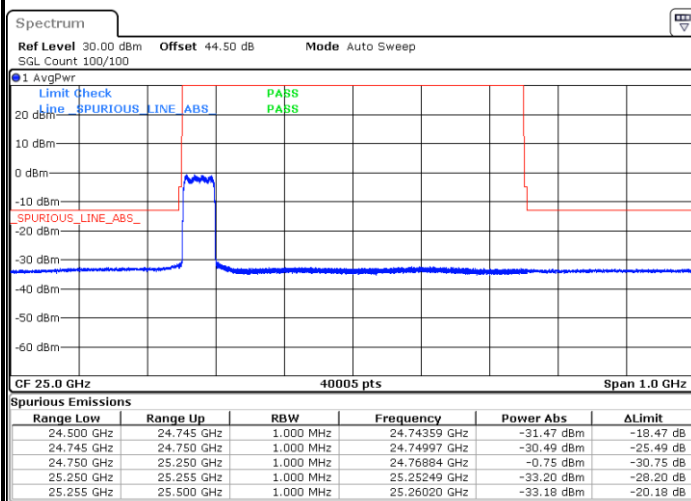
Date: 31.JUL.2020 17:10:35



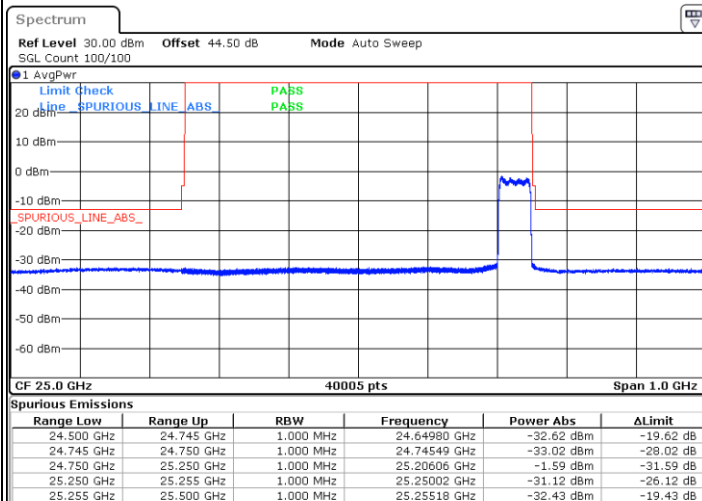
## CP-OFDM Module 0

## NR Band n258b/ 50MHz / 64QAM

## Lowest Band Edge / Full RB

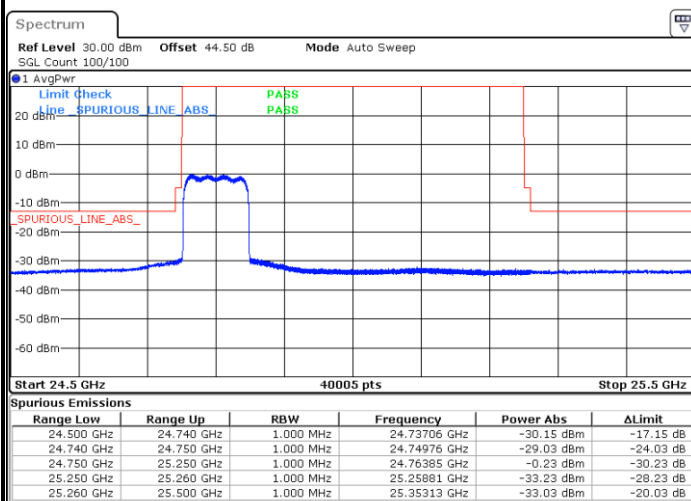


## Highest Band Edge / Full RB

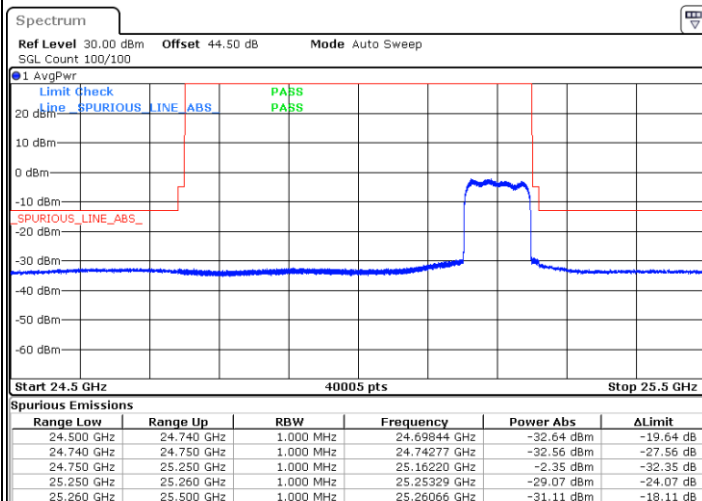


## NR Band n258b/ 100MHz / QPSK

## Lowest Band Edge / Full RB



## Highest Band Edge / Full RB

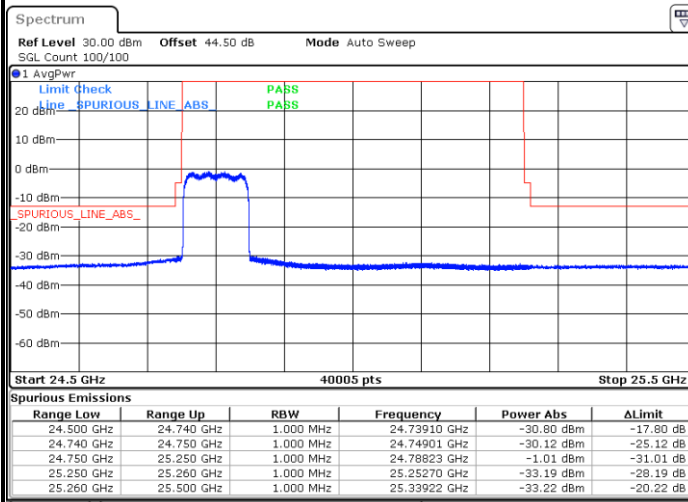




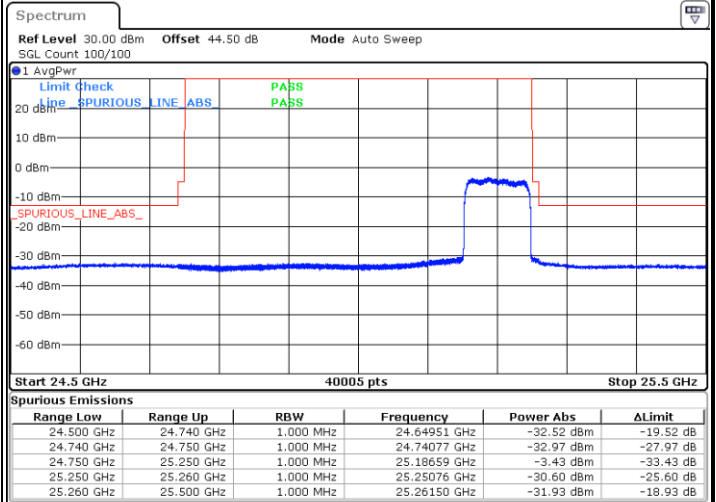
## CP-OFDM Module 0

## NR Band n258b/ 100MHz / 16QAM

## Lowest Band Edge / Full RB

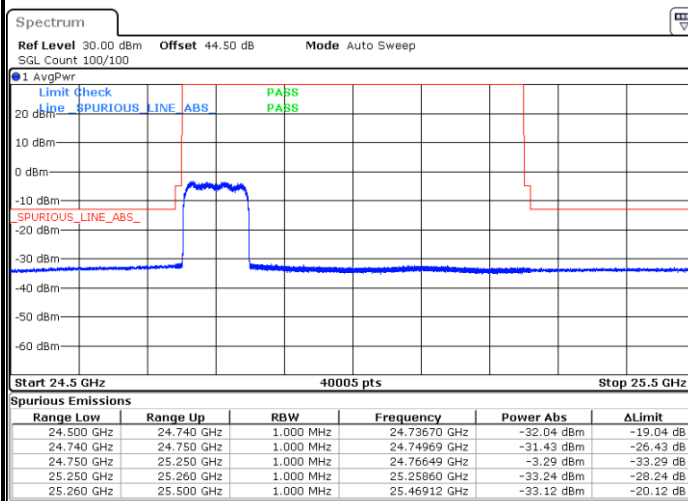


## Highest Band Edge / Full RB

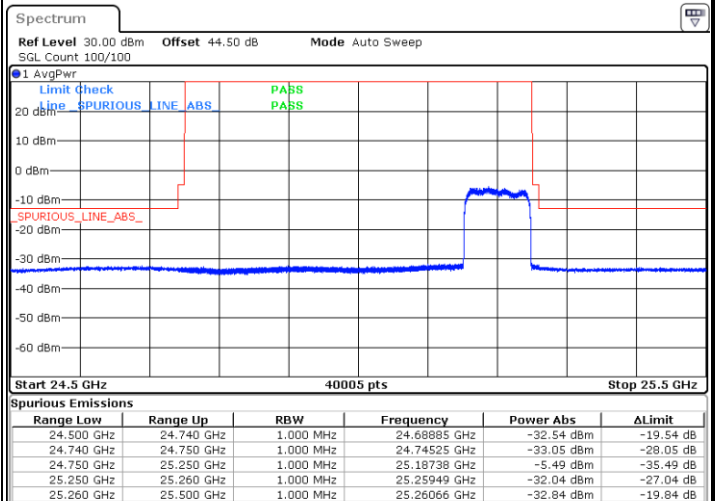


## NR Band n258b/ 100MHz / 64QAM

## Lowest Band Edge / Full RB



## Highest Band Edge / Full RB

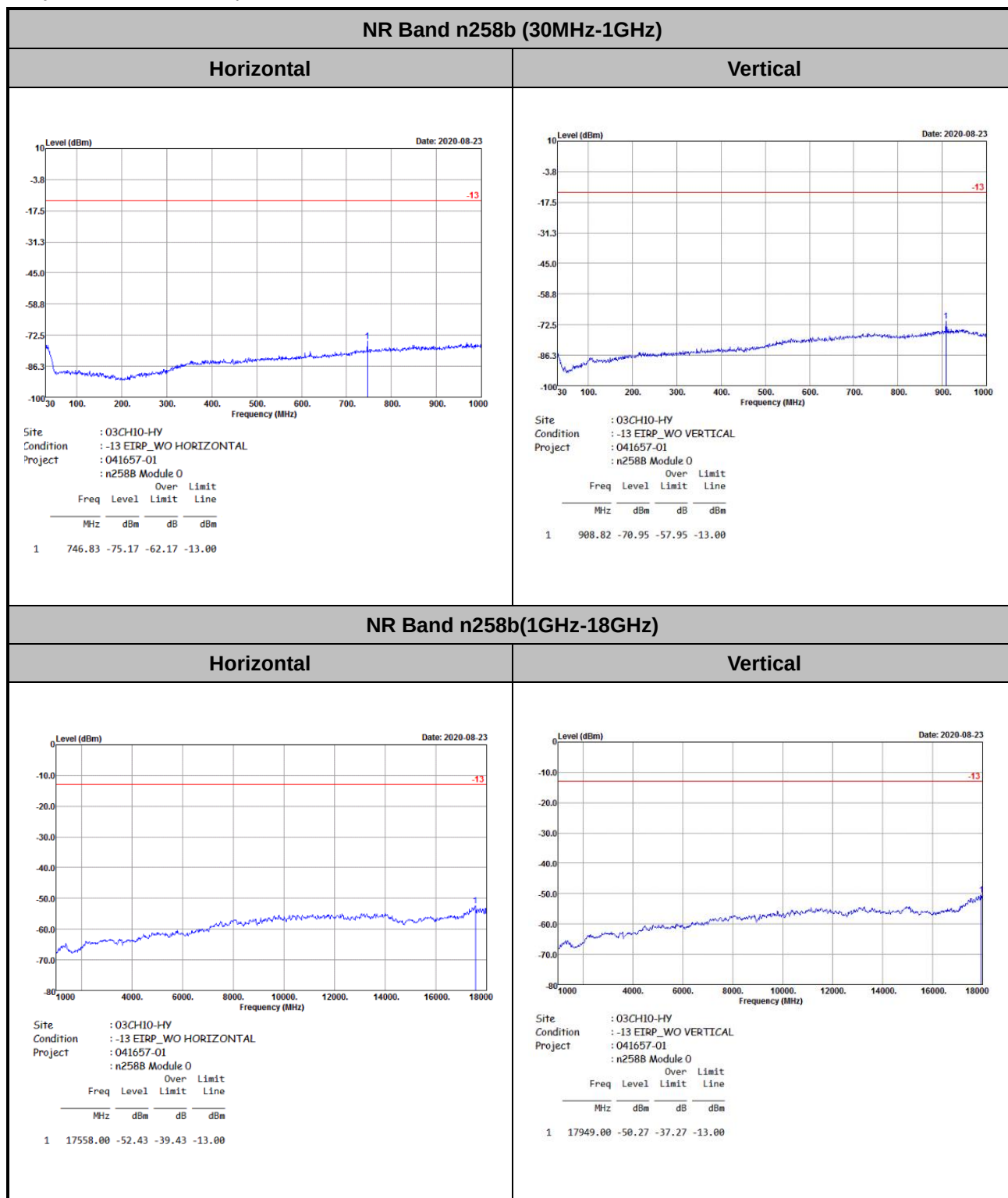




## Spurious Emission

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

Only the noise floor is reported.



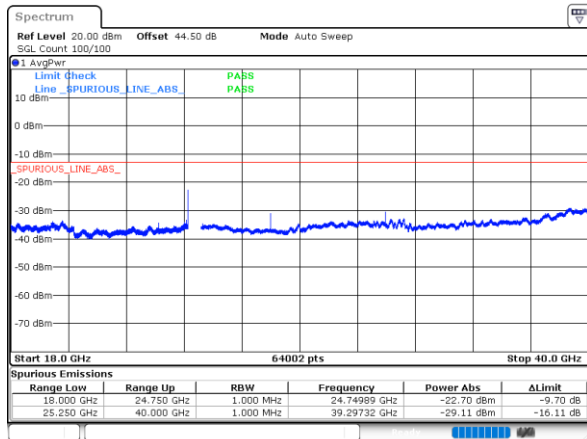


Spurious emission between 18GHz to 40GHz worst case plot is reported as following.

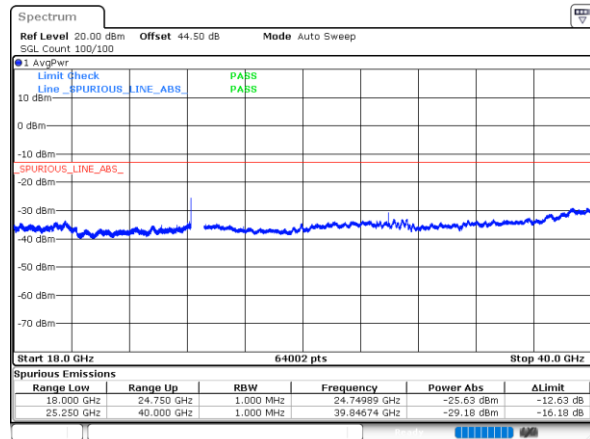
### DFT-s-OFDM Module 0

#### NR Band n258bBPSK (18-40GHz)

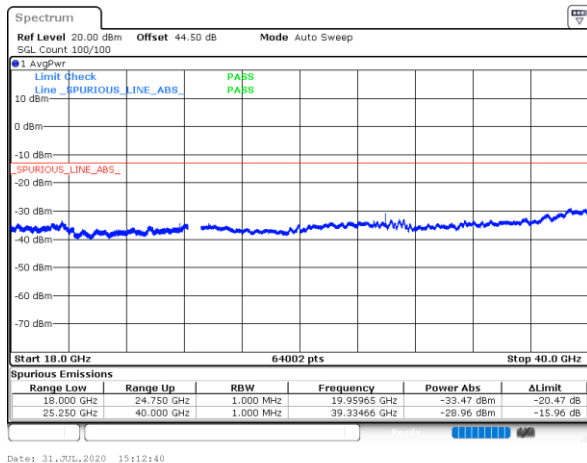
##### Lowest Channel / 50MHz



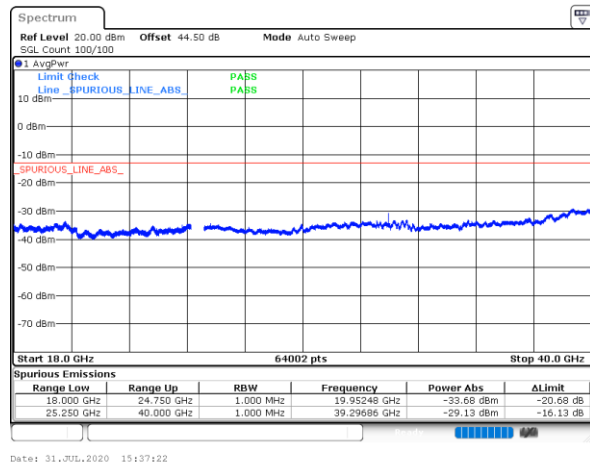
##### Lowest Channel / 100MHz



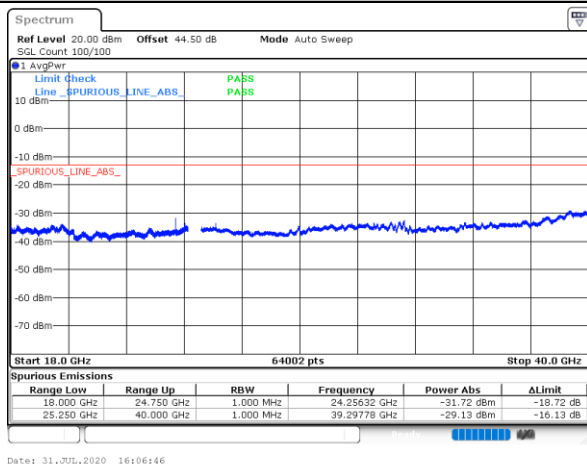
##### Middle Channel / 50MHz



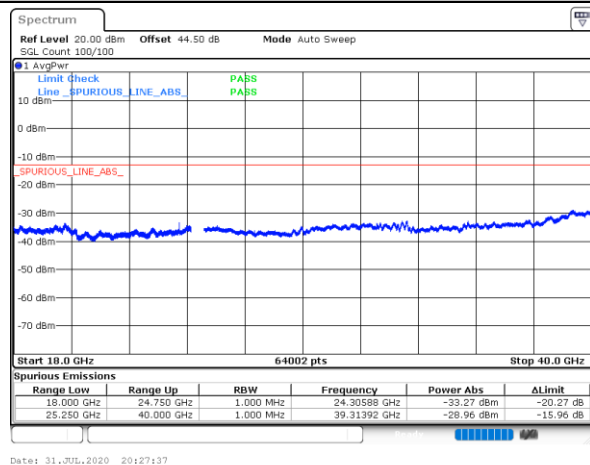
##### Middle Channel / 100MHz



##### Highest Channel / 50MHz



##### Highest Channel / 100MHz

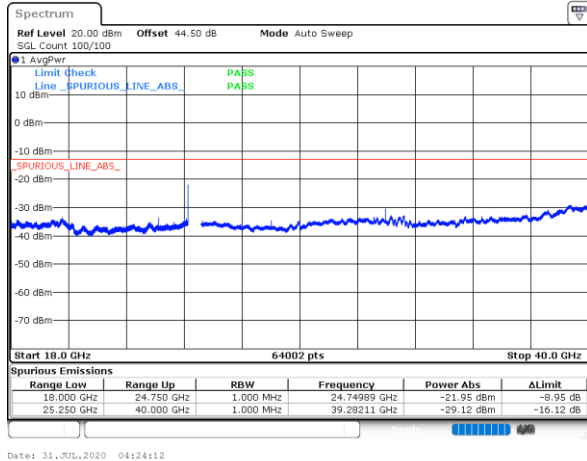




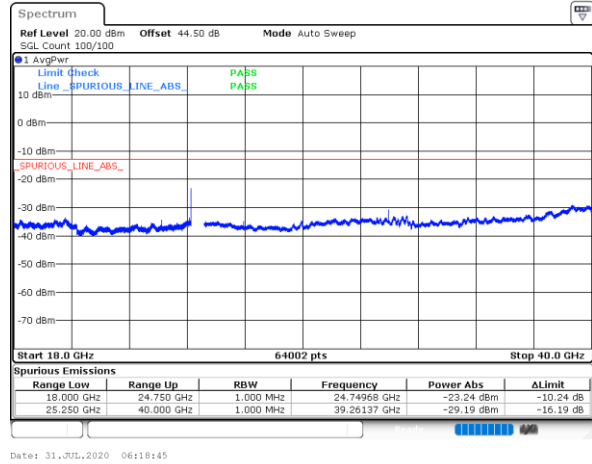
## DFT-s-OFDM Module 0

## NR Band n258bQPSK (18-40GHz)

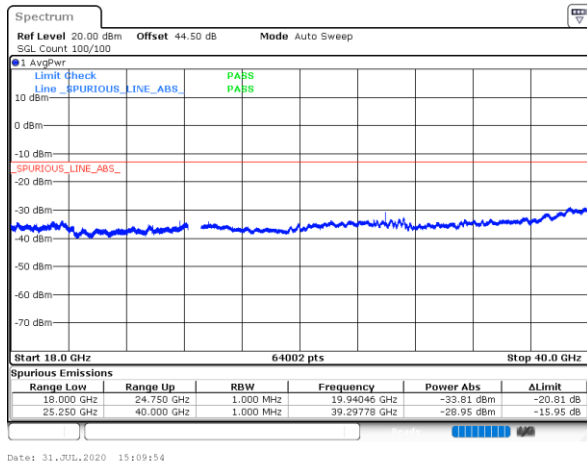
## Lowest Channel / 50MHz



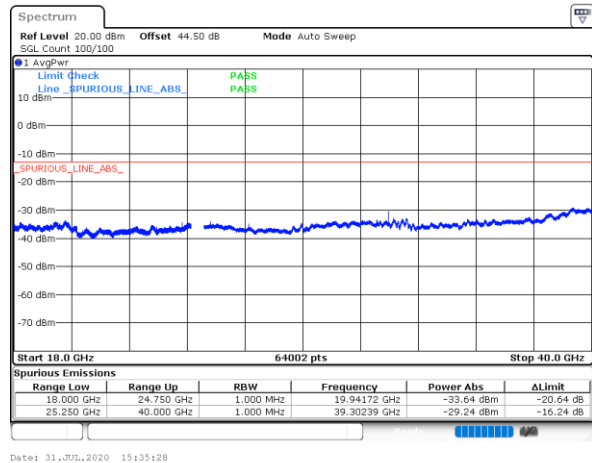
## Lowest Channel / 100MHz



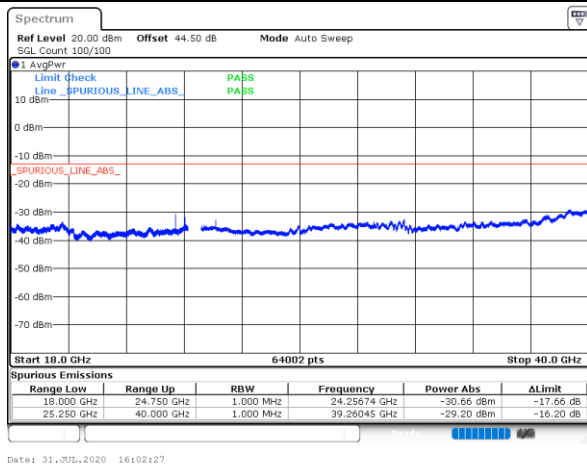
## Middle Channel / 50MHz



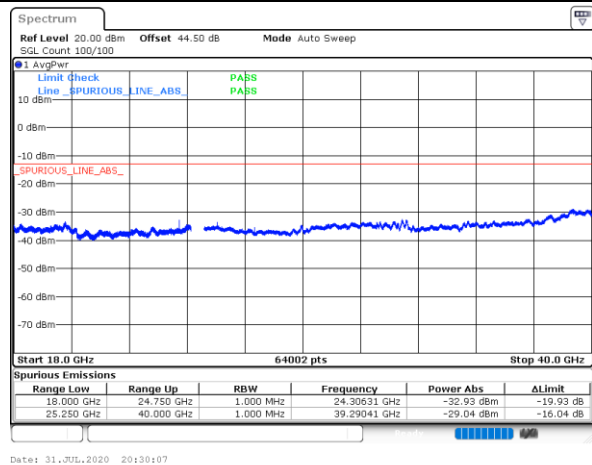
## Middle Channel / 100MHz



## Highest Channel / 50MHz



## Highest Channel / 100MHz

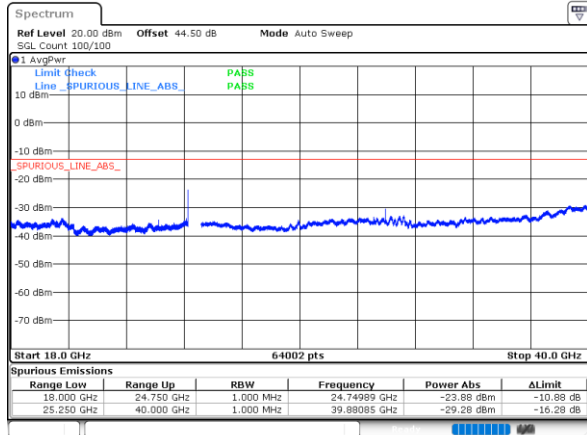




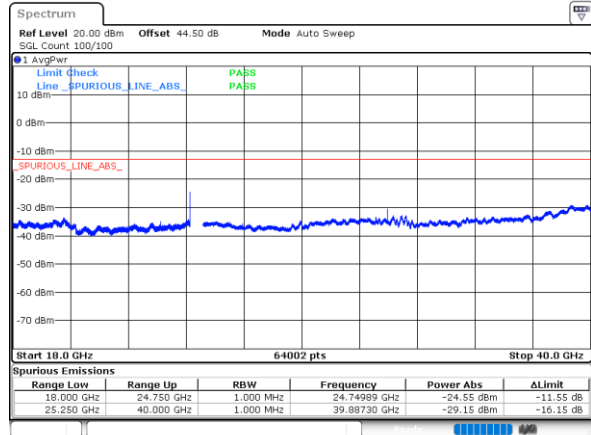
## CP-OFDM Module 0

## NR Band n258bQPSK (18-40GHz)

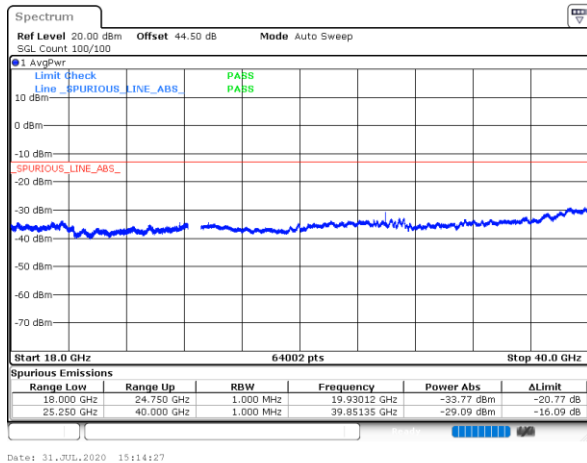
## Lowest Channel / 50MHz



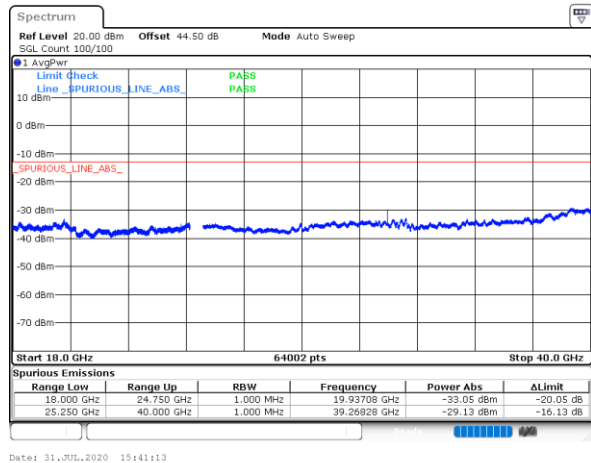
## Lowest Channel / 100MHz



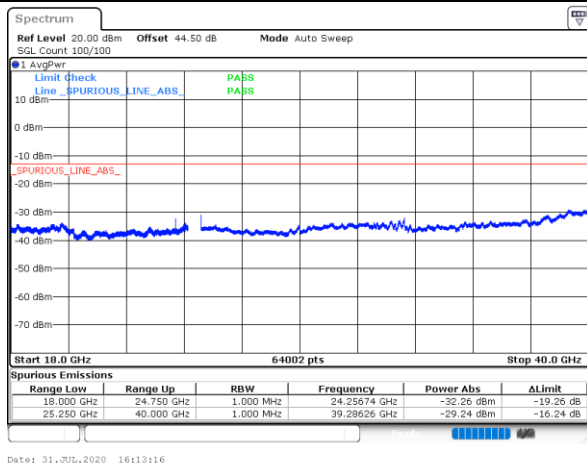
## Middle Channel / 50MHz



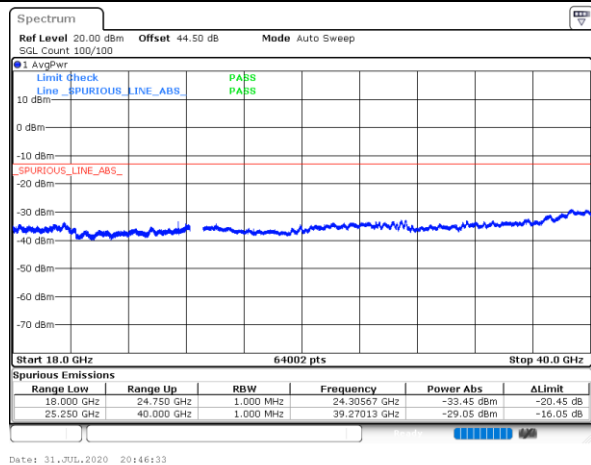
## Middle Channel / 100MHz



## Highest Channel / 50MHz

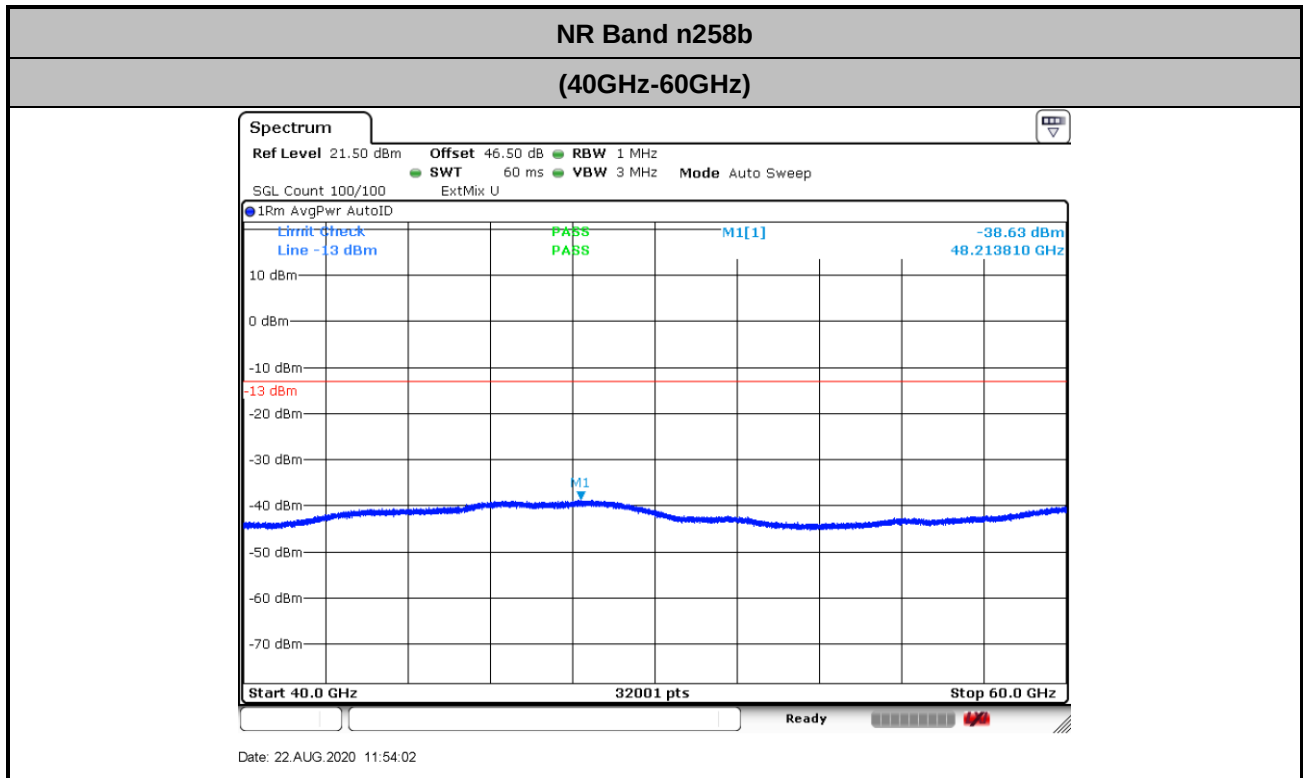


## Highest Channel / 100MHz

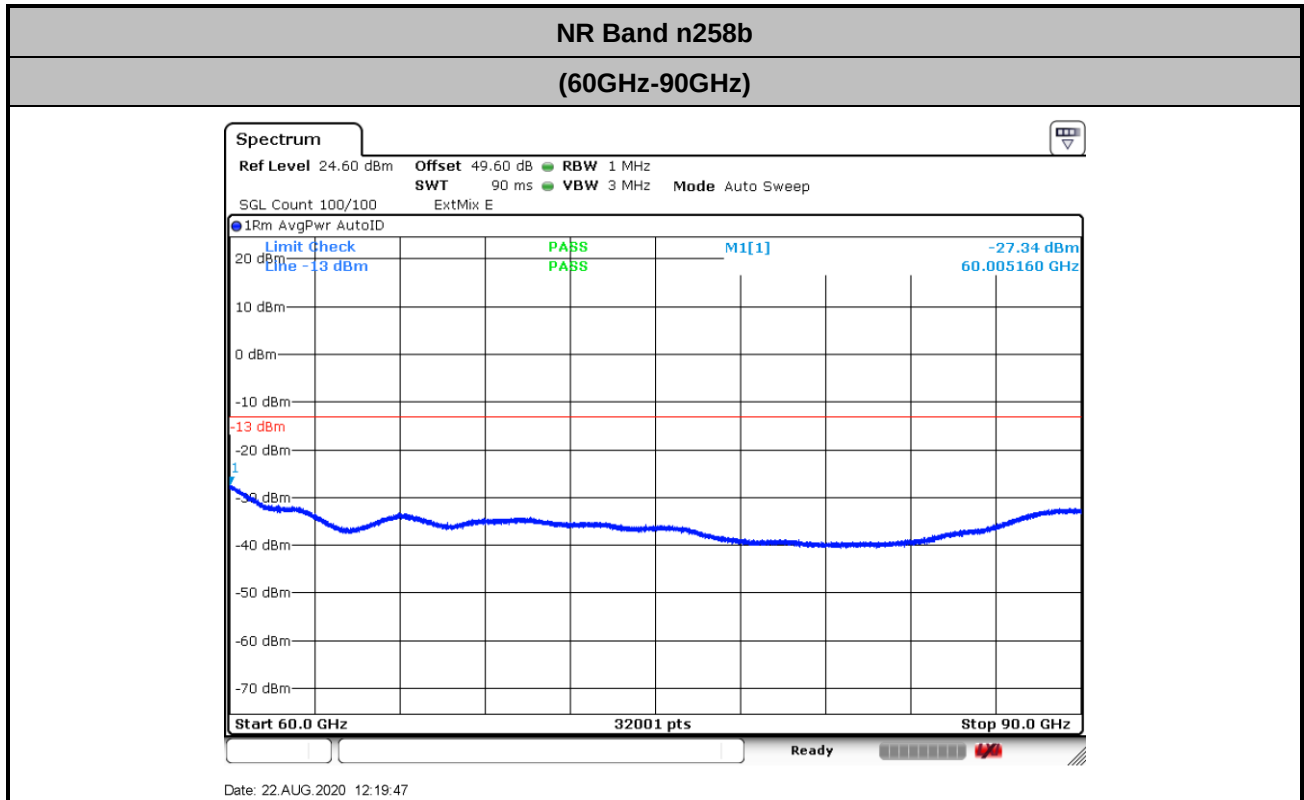




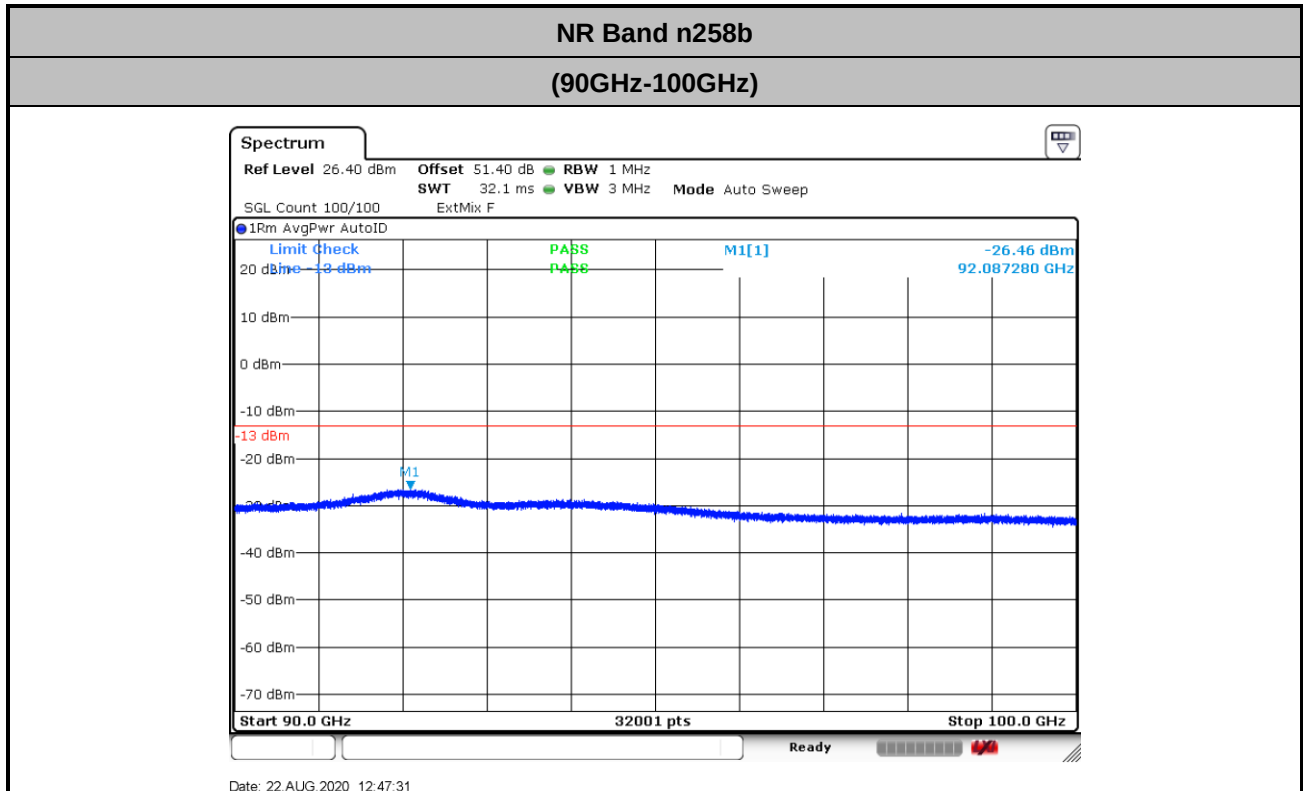
There is no significant spurious emission signal found for frequency started from 40GHz up to 100GHz.  
Only the noise floor is reported.



$$\begin{aligned}\text{Offset} &= \text{Antenna Factor (dB/m)} + \text{Cable Loss (dB)} + 107 + 20\log(D) - 104.8 \\ &= 42.3 + 2 + 107 + 20\log(1) - 104.8 = 46.5 \text{ (dB)}\end{aligned}$$



$$\begin{aligned}\text{Offset} &= \text{Antenna Factor (dB/m)} + \text{Cable Loss (dB)} + 107 + 20\log(D) - 104.8 \\ &= 45.4 + 2 + 107 + 20\log(1) - 104.8 = 49.6 \text{ (dB)}\end{aligned}$$



$$\begin{aligned} \text{Offset} &= \text{Antenna Factor (dB/m)} + \text{Cable Loss (dB)} + 107 + 20\log(D) - 104.8 \\ &= 47.2 + 2 + 107 + 20\log(1) - 104.8 = 51.4 \text{ (dB)} \end{aligned}$$



## NR Band n258b Module 0 AG1

## Occupied Bandwidth

| Mode       | DFT-s-OFDM Module 0 NR Band n258b: 99%OBW(MHz) |       |       |       |        |       |       |       |
|------------|------------------------------------------------|-------|-------|-------|--------|-------|-------|-------|
| BW         | 50MHz                                          |       |       |       | 100MHz |       |       |       |
| Mod.       | BPSK                                           | QPSK  | 16QAM | 64QAM | BPSK   | QPSK  | 16QAM | 64QAM |
| Lowest CH  | 45.12                                          | 45.10 | 45.10 | 45.22 | 90.52  | 90.36 | 90.08 | 90.48 |
| Middle CH  | 45.24                                          | 45.16 | 45.18 | 45.32 | 90.52  | 90.32 | 90.40 | 90.20 |
| Highest CH | 45.16                                          | 45.40 | 45.16 | 45.38 | 89.76  | 90.24 | 90.20 | 90.44 |

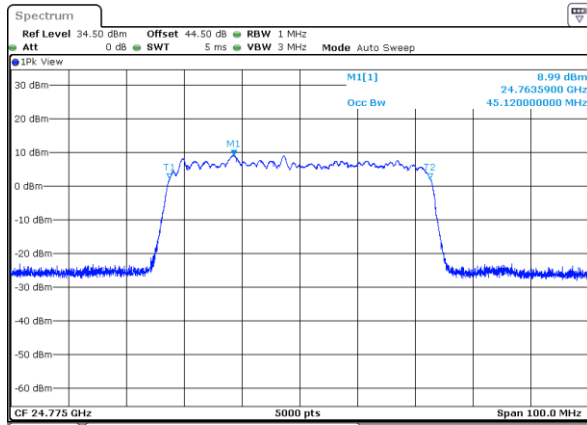
| Mode       | CP-OFDM Module 0 NR Band n258b: 99%OBW(MHz) |       |       |        |       |       |
|------------|---------------------------------------------|-------|-------|--------|-------|-------|
| BW         | 50MHz                                       |       |       | 100MHz |       |       |
| Mod.       | QPSK                                        | 16QAM | 64QAM | QPSK   | 16QAM | 64QAM |
| Lowest CH  | 45.24                                       | 45.34 | 45.14 | 92.92  | 92.88 | 93.04 |
| Middle CH  | 45.36                                       | 45.42 | 45.28 | 93.24  | 92.80 | 93.24 |
| Highest CH | 45.28                                       | 45.40 | 45.26 | 93.04  | 92.84 | 92.96 |



## DFT-s-OFDM Module 0

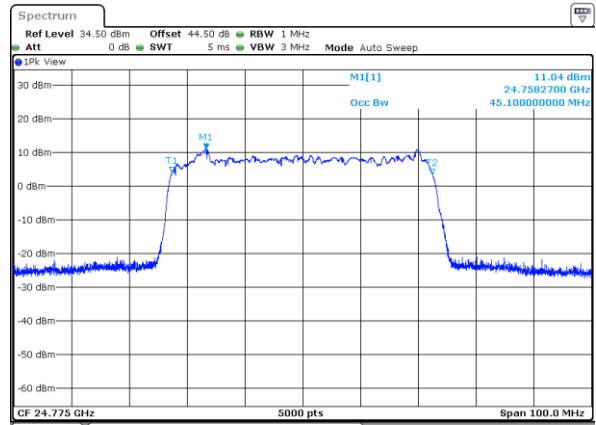
## NR Band n258b

## Lowest Channel / 50MHz / BPSK



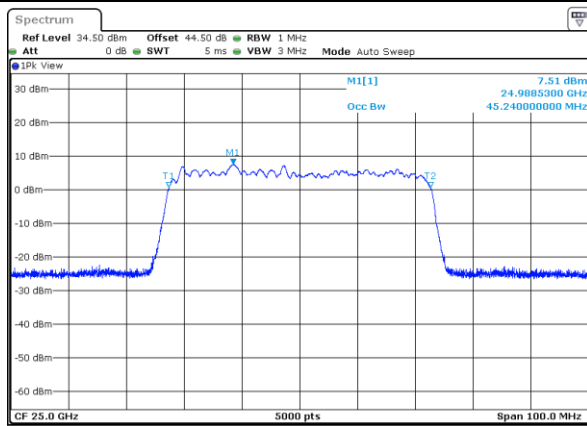
Date: 31.JUL.2020 21:49:13

## Lowest Channel / 50MHz / QPSK



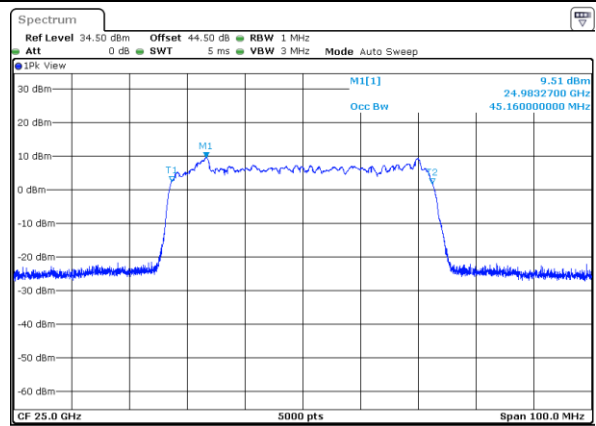
Date: 31.JUL.2020 21:45:57

## Middle Channel / 50MHz / BPSK



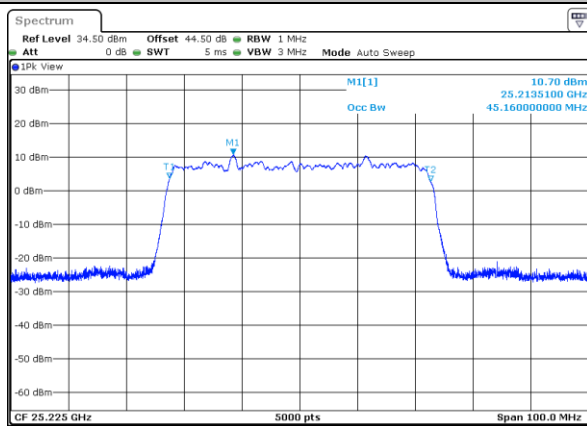
Date: 31.JUL.2020 23:15:17

## Middle Channel / 50MHz / QPSK



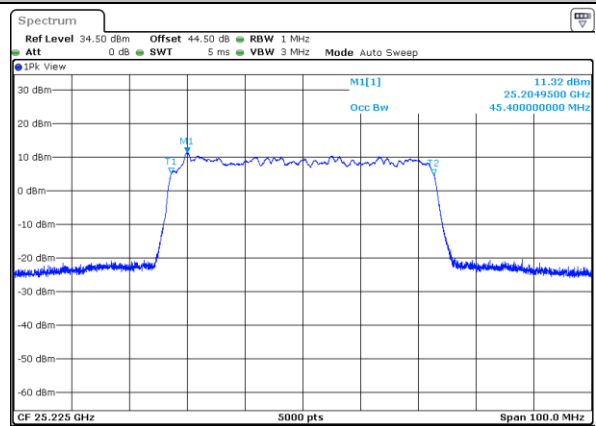
Date: 31.JUL.2020 23:12:21

## Highest Channel / 50MHz / BPSK



Date: 1.AUG.2020 08:04:19

## Highest Channel / 50MHz / QPSK



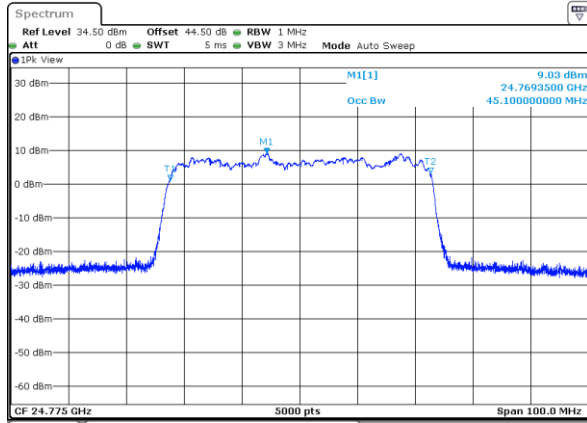
Date: 1.AUG.2020 07:58:24



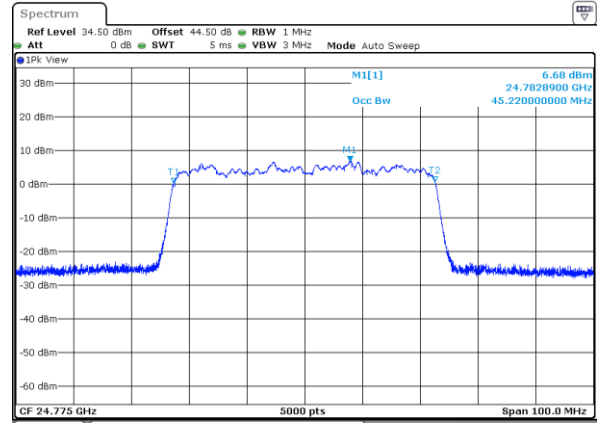
## DFT-s-OFDM Module 0

## NR Band n258b

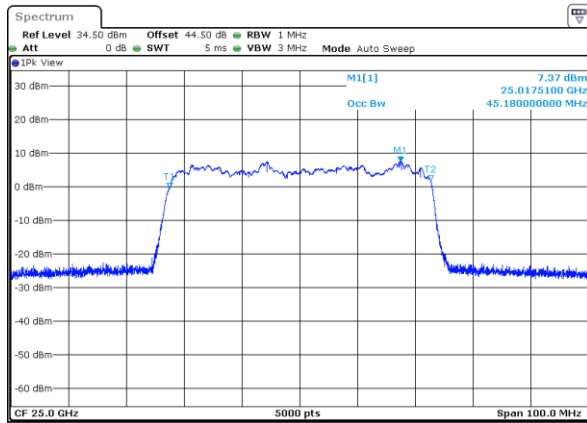
## Lowest Channel / 50MHz / 16QAM



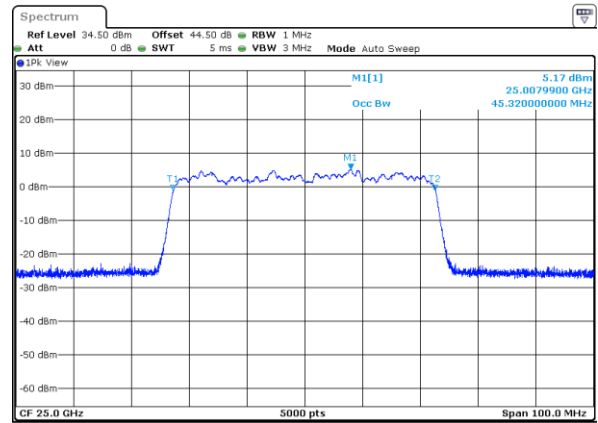
## Lowest Channel / 50MHz / 64QAM



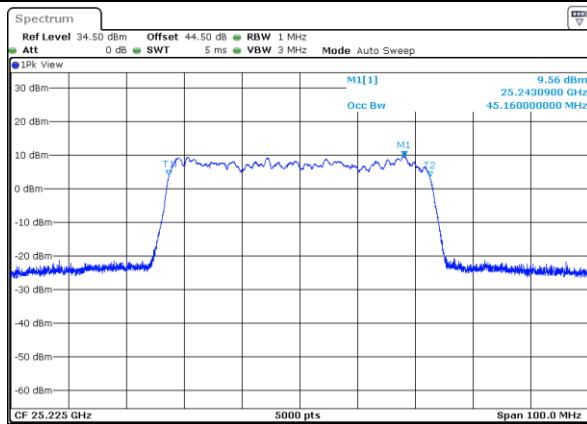
## Middle Channel / 50MHz / 16QAM



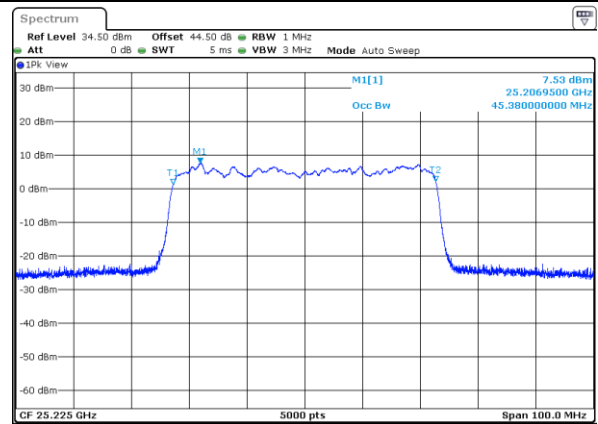
## Middle Channel / 50MHz / 64QAM



## Highest Channel / 50MHz / 16QAM



## Highest Channel / 50MHz / 64QAM

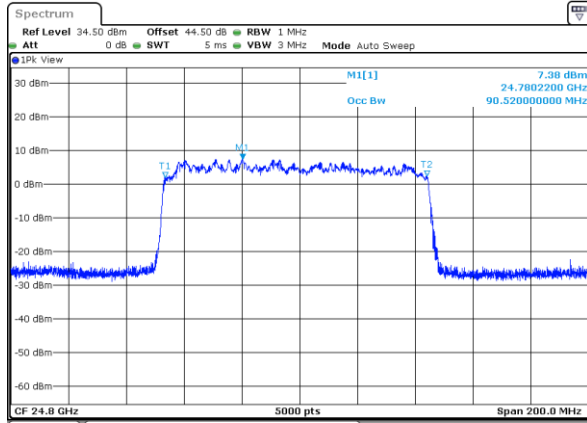




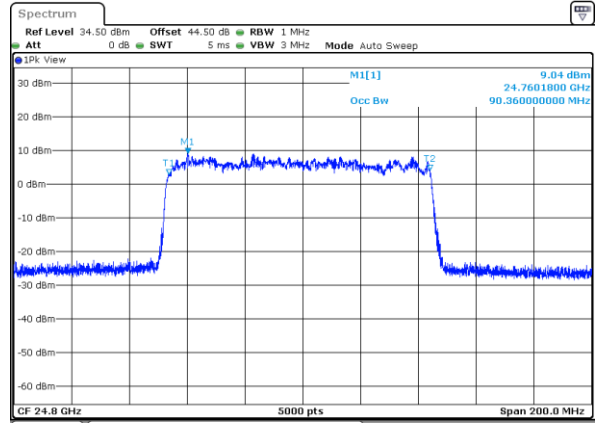
## DFT-s-OFDM Module 0

## NR Band n258b

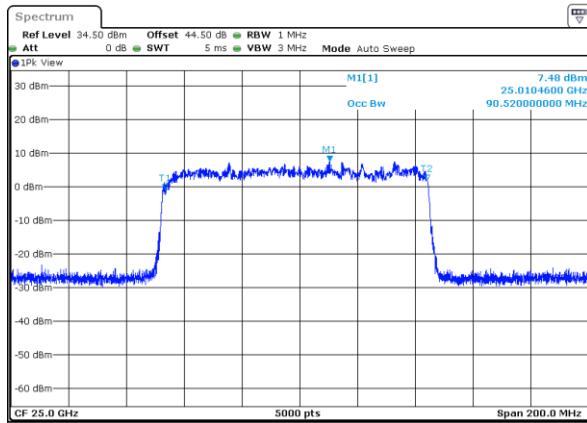
## Lowest Channel / 100MHz / BPSK



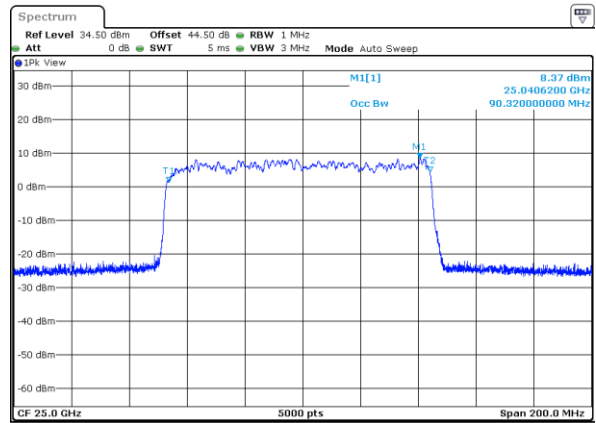
## Lowest Channel / 100MHz / QPSK



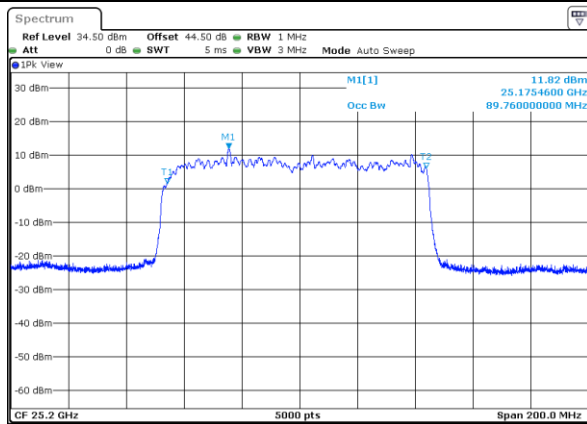
## Middle Channel / 100MHz / BPSK



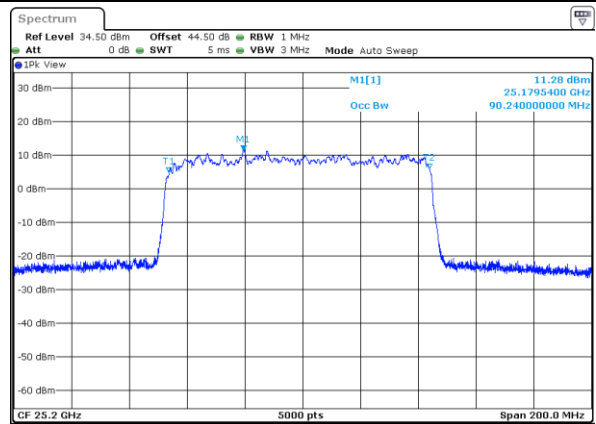
## Middle Channel / 100MHz / QPSK



## Highest Channel / 100MHz / BPSK



## Highest Channel / 100MHz / QPSK

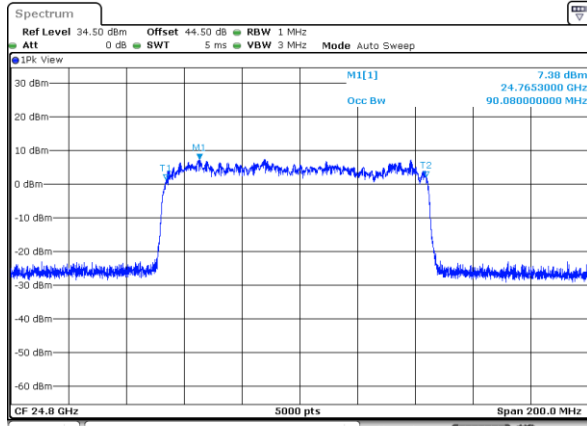




## DFT-s-OFDM Module 0

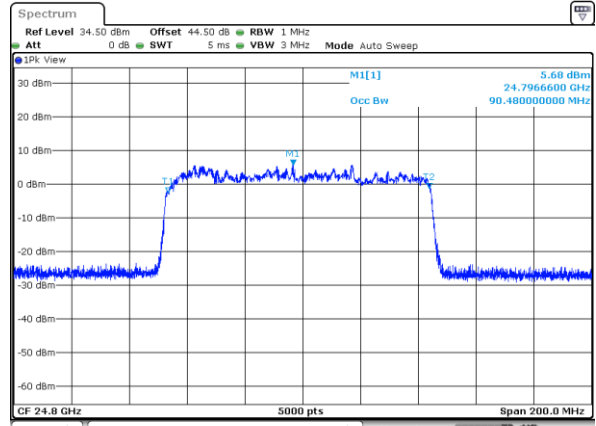
## NR Band n258b

## Lowest Channel / 100MHz / 16QAM



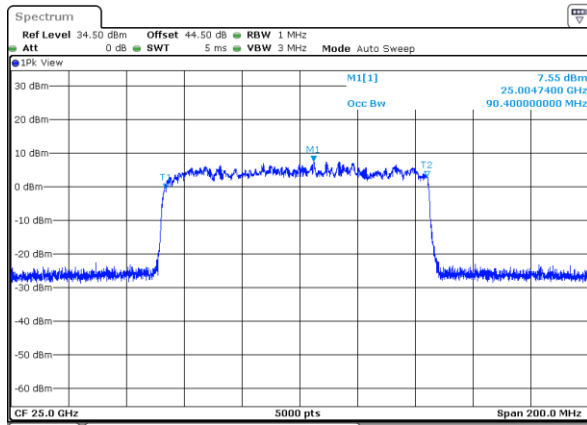
Date: 31.JUL.2020 22:24:24

## Lowest Channel / 100MHz / 64QAM



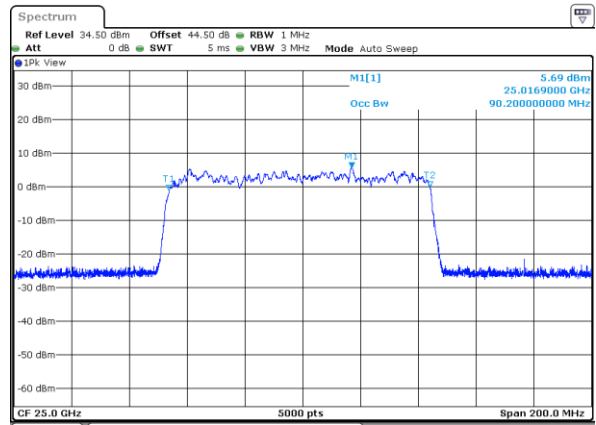
Date: 31.JUL.2020 22:25:45

## Middle Channel / 100MHz / 16QAM



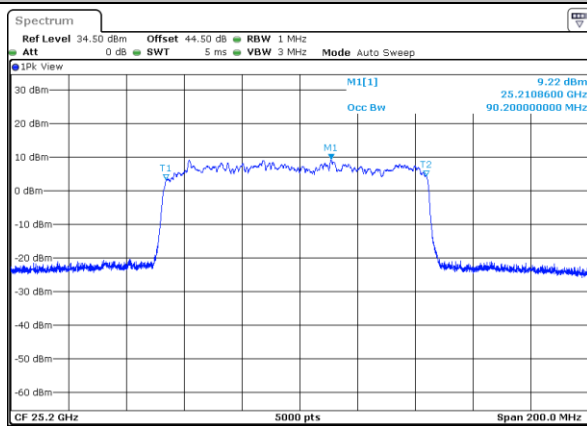
Date: 1.AUG.2020 06:49:36

## Middle Channel / 100MHz / 64QAM



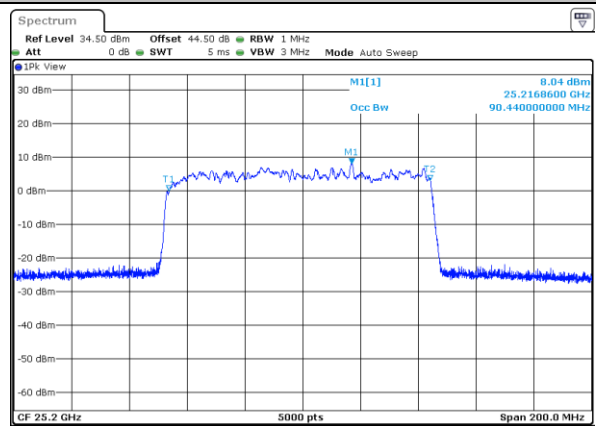
Date: 1.AUG.2020 06:48:26

## Highest Channel / 100MHz / 16QAM



Date: 1.AUG.2020 13:52:55

## Highest Channel / 100MHz / 64QAM



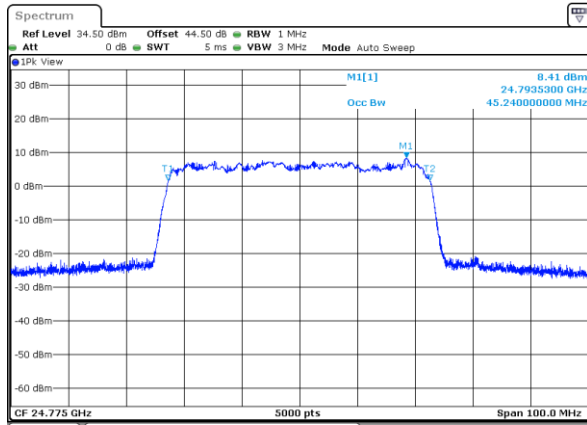
Date: 1.AUG.2020 13:57:41



## CP-OFDM Module 0

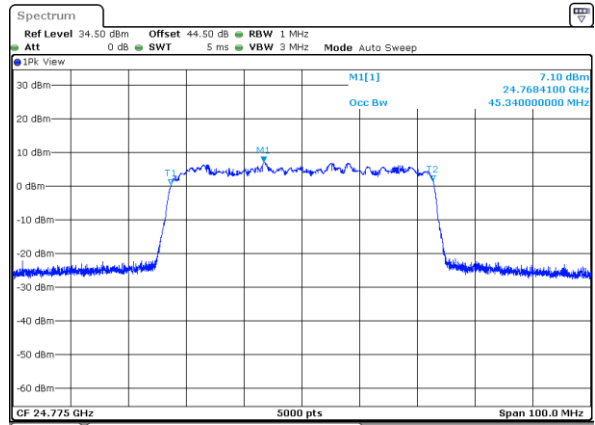
## NR Band n258b

## Lowest Channel / 50MHz / QPSK



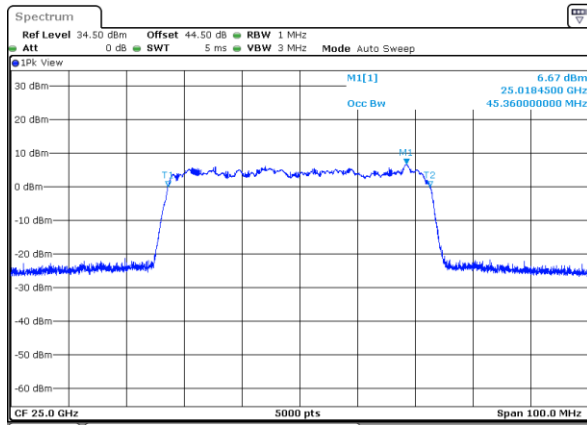
Date: 31.JUL.2020 22:12:42

## Lowest Channel / 50MHz / 16QAM



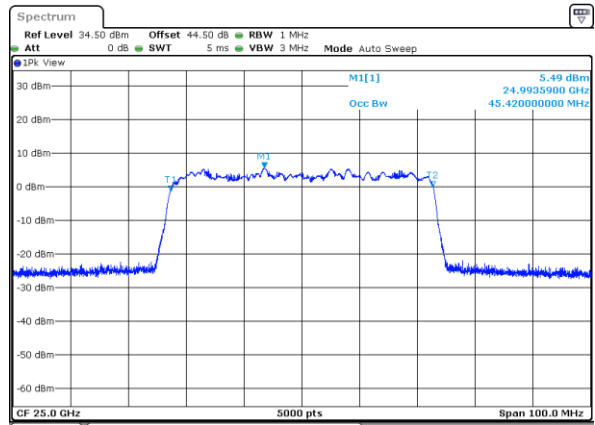
Date: 31.JUL.2020 22:09:50

## Middle Channel / 50MHz / QPSK



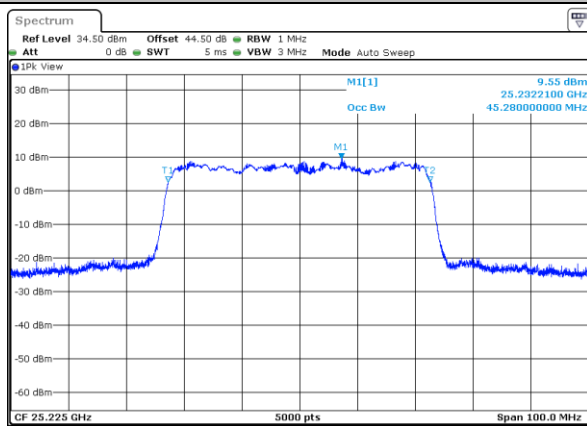
Date: 31.JUL.2020 23:25:16

## Middle Channel / 50MHz / 16QAM



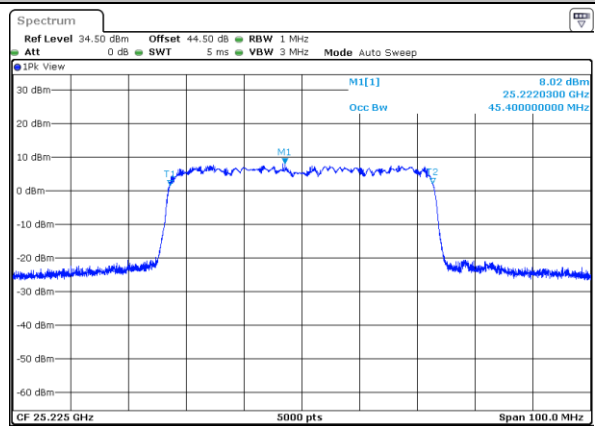
Date: 31.JUL.2020 23:24:30

## Highest Channel / 50MHz / QPSK



Date: 1.AUG.2020 08:20:15

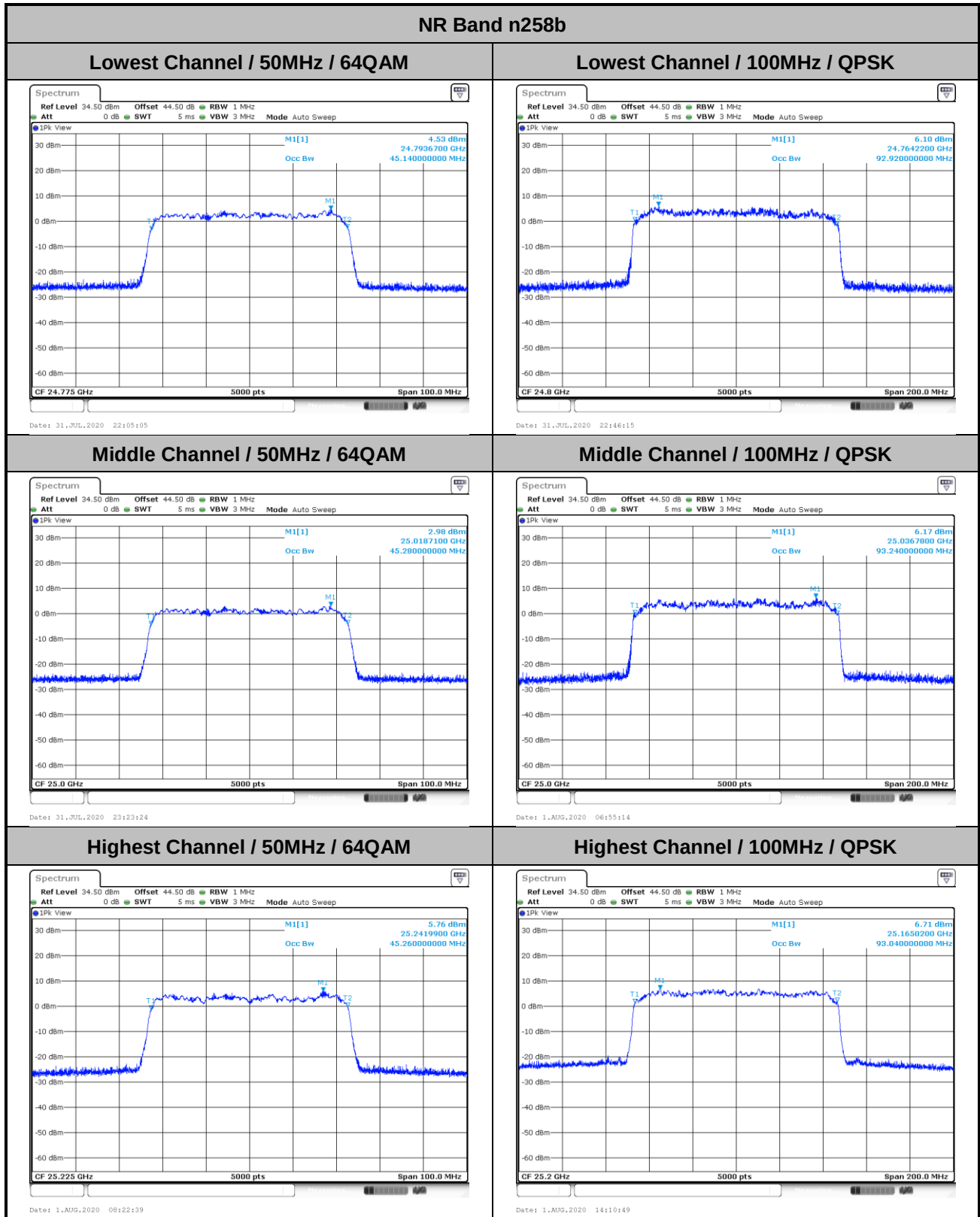
## Highest Channel / 50MHz / 16QAM



Date: 1.AUG.2020 08:21:26



## CP-OFDM Module 0

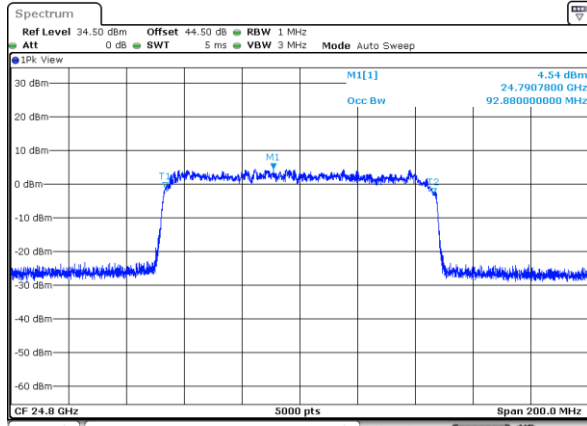




## CP-OFDM Module 0

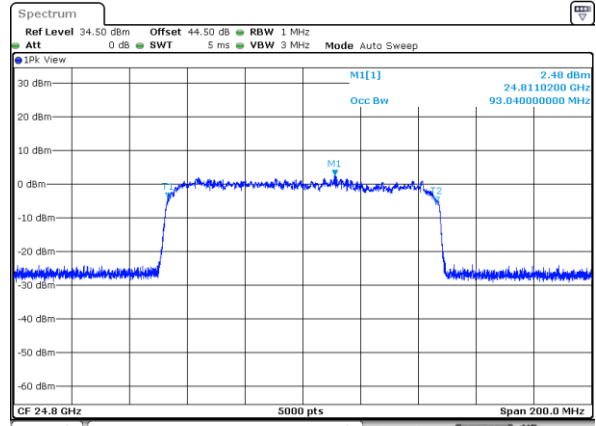
## NR Band n258b

## Lowest Channel / 100MHz / 16QAM



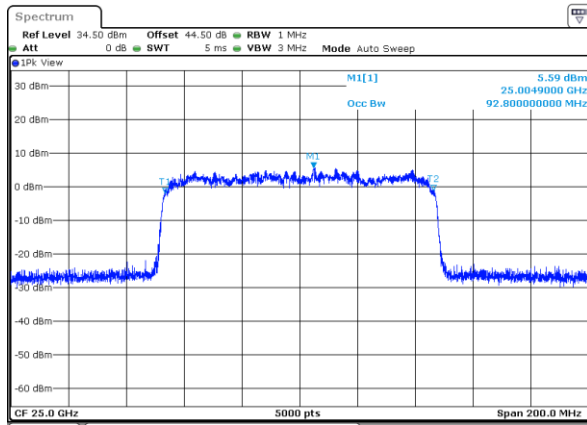
Date: 31.JUL.2020 22:45:09

## Lowest Channel / 100MHz / 64QAM



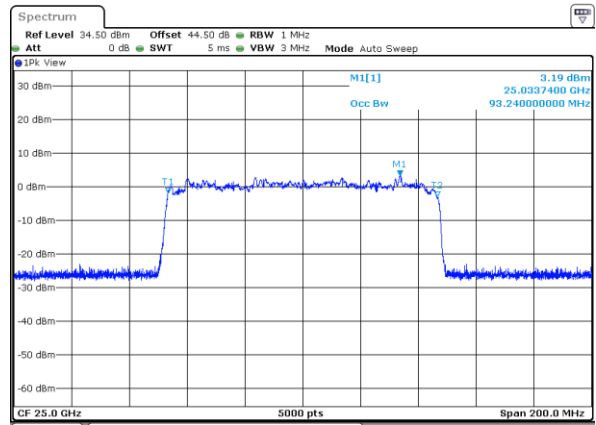
Date: 31.JUL.2020 22:44:05

## Middle Channel / 100MHz / 16QAM



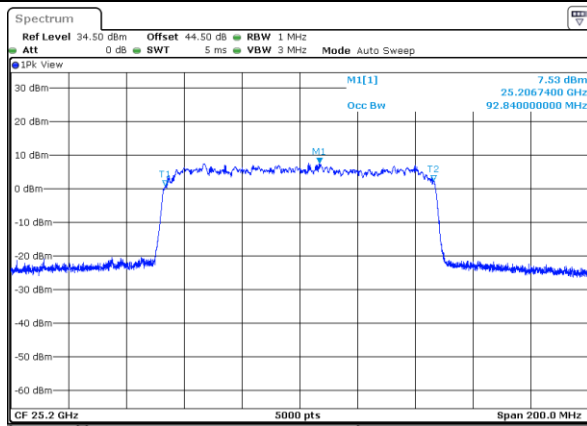
Date: 1.AUG.2020 06:56:21

## Middle Channel / 100MHz / 64QAM



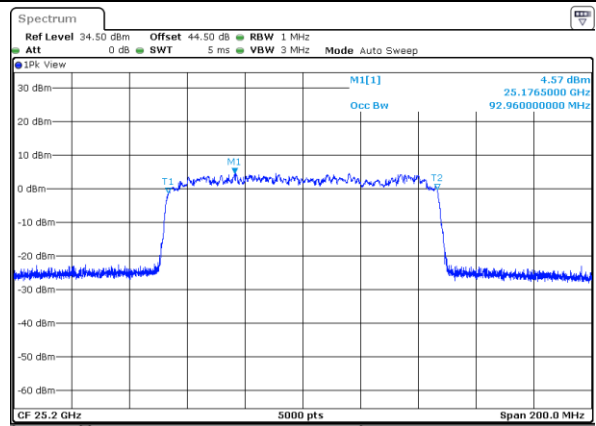
Date: 1.AUG.2020 06:57:25

## Highest Channel / 100MHz / 16QAM



Date: 1.AUG.2020 14:25:21

## Highest Channel / 100MHz / 64QAM



Date: 1.AUG.2020 14:27:55

## Radiated Out of Band Emissions

| Mode        |         |       | DFT-s-OFDM Module 0 NR Band n258b: BE (dBm) 1 RB |        |        |        |        |        |        |        |
|-------------|---------|-------|--------------------------------------------------|--------|--------|--------|--------|--------|--------|--------|
| BW          |         |       | 50MHz                                            |        |        |        | 100MHz |        |        |        |
| Limit (dBm) |         |       | BPSK                                             | QPSK   | 16QAM  | 64QAM  | BPSK   | QPSK   | 16QAM  | 64QAM  |
| Low CH      | 0~10%OB | ≤ -5  | -20.18                                           | -20.2  | -21.45 | -23.24 | -23.7  | -21.32 | -24.11 | -26.35 |
|             | >10%OB  | ≤ -13 | -32.32                                           | -32.08 | -32.13 | -32.55 | -32.63 | -32.49 | -32.43 | -32.63 |
| High CH     | 0~10%OB | ≤ -5  | -20.65                                           | -19.87 | -21.13 | -22.65 | -22.22 | -20.79 | -22.04 | -23.61 |
|             | >10%OB  | ≤ -13 | -34.94                                           | -31.58 | -32.03 | -32.23 | -32.15 | -31.80 | -31.62 | -32.42 |
| Result      |         |       | Compliance                                       |        |        |        |        |        |        |        |

| Mode        |         |       | CP-OFDM Module 0 NR Band n258b: BE (dBm) 1 RB |        |        |        |        |        |
|-------------|---------|-------|-----------------------------------------------|--------|--------|--------|--------|--------|
| BW          |         |       | 50MHz                                         |        |        | 100MHz |        |        |
| Limit (dBm) |         |       | QPSK                                          | 16QAM  | 64QAM  | QPSK   | 16QAM  | 64QAM  |
| Low CH      | 0~10%OB | ≤ -5  | -21                                           | -20.6  | -24.13 | -22.2  | -24.74 | -26.69 |
|             | >10%OB  | ≤ -13 | -32.42                                        | -32.56 | -32.6  | -32.48 | -32.54 | -32.6  |
| High CH     | 0~10%OB | ≤ -5  | -23.76                                        | -20.76 | -24.06 | -22.40 | -23.31 | -24.98 |
|             | >10%OB  | ≤ -13 | -32.29                                        | -31.91 | -32.83 | -31.97 | -32.18 | -32.77 |
| Result      |         |       | Compliance                                    |        |        |        |        |        |

| Mode        |         |       | DFT-s-OFDM Module 0 NR Band n258b: BE (dBm) Full RB |        |        |        |        |        |        |        |
|-------------|---------|-------|-----------------------------------------------------|--------|--------|--------|--------|--------|--------|--------|
| BW          |         |       | 50MHz                                               |        |        |        | 100MHz |        |        |        |
| Limit (dBm) |         |       | BPSK                                                | QPSK   | 16QAM  | 64QAM  | BPSK   | QPSK   | 16QAM  | 64QAM  |
| Low CH      | 0~10%OB | ≤ -5  | -29.67                                              | -28.6  | -29.62 | -30.51 | -31.44 | -30.46 | -31.16 | -32.01 |
|             | >10%OB  | ≤ -13 | -32.17                                              | -30.32 | -30.98 | -31.98 | -32.27 | -31.51 | -31.92 | -32.33 |
| High CH     | 0~10%OB | ≤ -5  | -29.96                                              | -27.91 | -30    | -30.83 | -31.49 | -29.97 | -30.74 | -31.48 |
|             | >10%OB  | ≤ -13 | -32.66                                              | -30.49 | -31.4  | -32.4  | -32.74 | -31.71 | -32.14 | -32.6  |
| Result      |         |       | Compliance                                          |        |        |        |        |        |        |        |

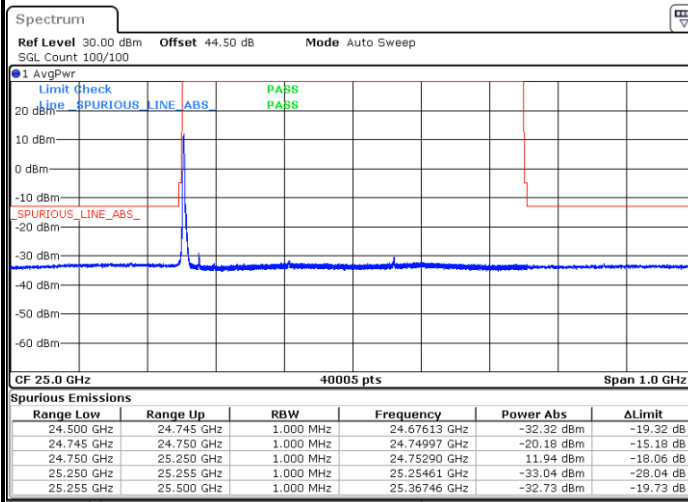
| Mode        |         |       | CP-OFDM Module 0 NR Band n258b: BE (dBm) Full RB |        |        |        |        |        |
|-------------|---------|-------|--------------------------------------------------|--------|--------|--------|--------|--------|
| BW          |         |       | 50MHz                                            |        |        | 100MHz |        |        |
| Limit (dBm) |         |       | QPSK                                             | 16QAM  | 64QAM  | QPSK   | 16QAM  | 64QAM  |
| Low CH      | 0~10%OB | ≤ -5  | -28.72                                           | -29.74 | -31.13 | -30.76 | -31.05 | -32.28 |
|             | >10%OB  | ≤ -13 | -30.69                                           | -31.31 | -32.41 | -31.67 | -31.89 | -32.57 |
| High CH     | 0~10%OB | ≤ -5  | -29.37                                           | -30.55 | -31.78 | -29.57 | -30.21 | -31.86 |
|             | >10%OB  | ≤ -13 | -30.99                                           | -31.9  | -32.93 | -31.58 | -32.28 | -32.78 |
| Result      |         |       | Compliance                                       |        |        |        |        |        |



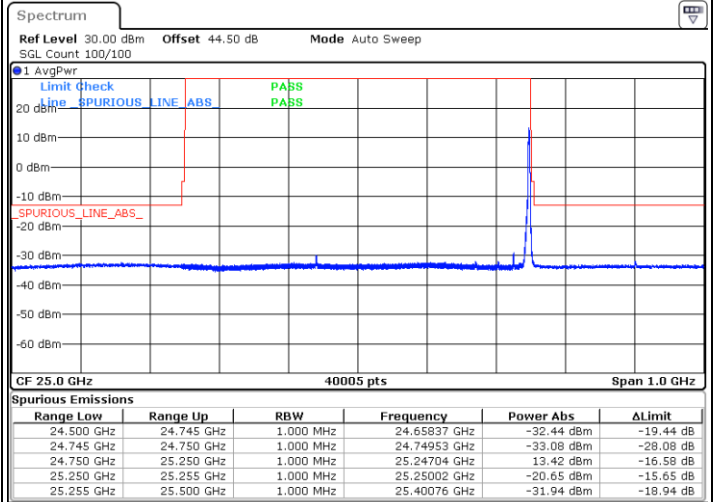
## DFT-s-OFDM Module 0

## NR Band n258b/ 50MHz / BPSK

## Lowest Band Edge / 1 RB

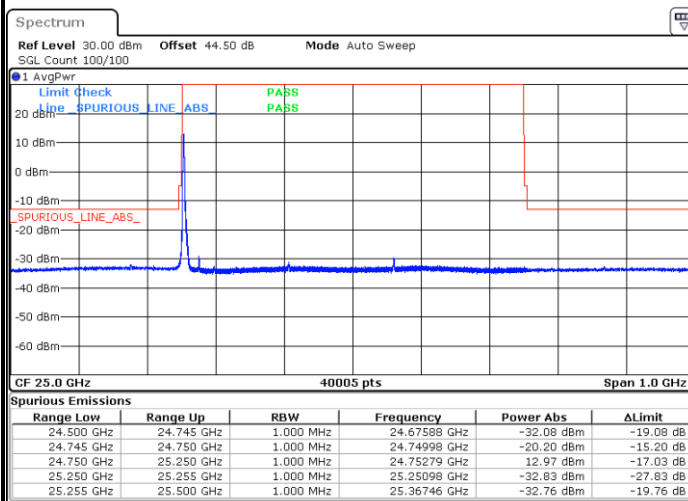


## Highest Band Edge / 1 RB

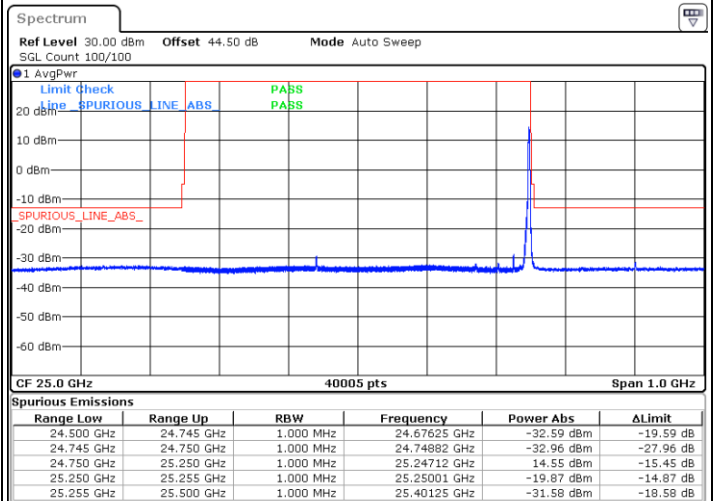


## NR Band n258b/ 50MHz / QPSK

## Lowest Band Edge / 1 RB



## Highest Band Edge / 1 RB

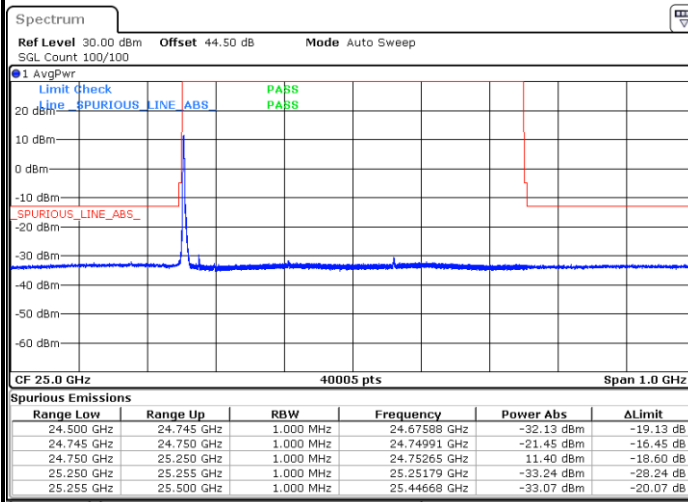




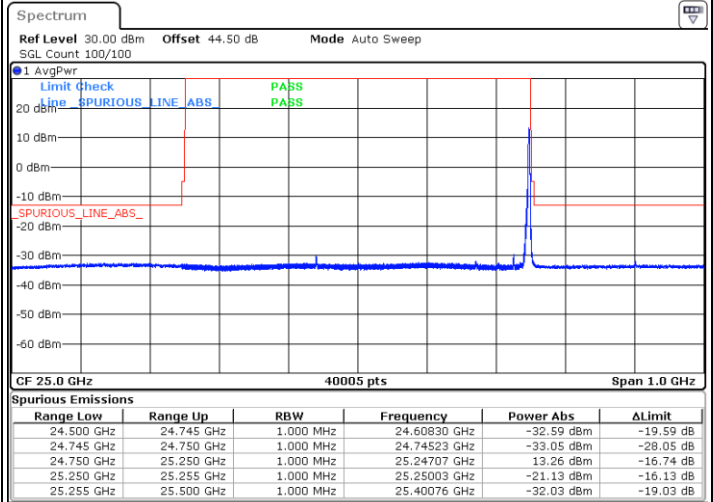
## DFT-s-OFDM Module 0

## NR Band n258b/ 50MHz / 16QAM

## Lowest Band Edge / 1 RB

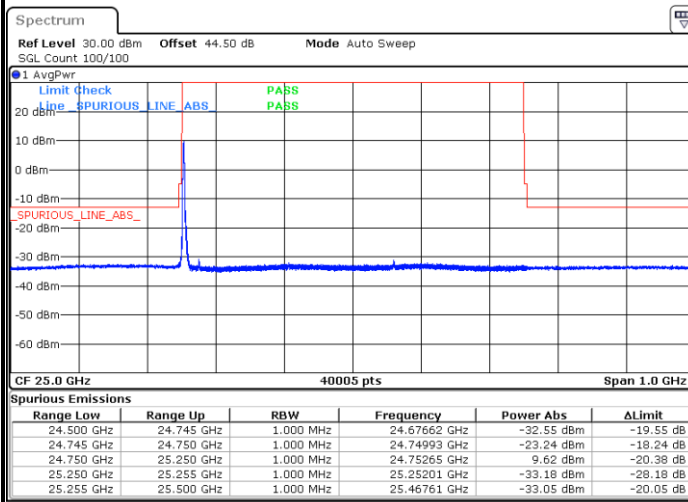


## Highest Band Edge / 1 RB

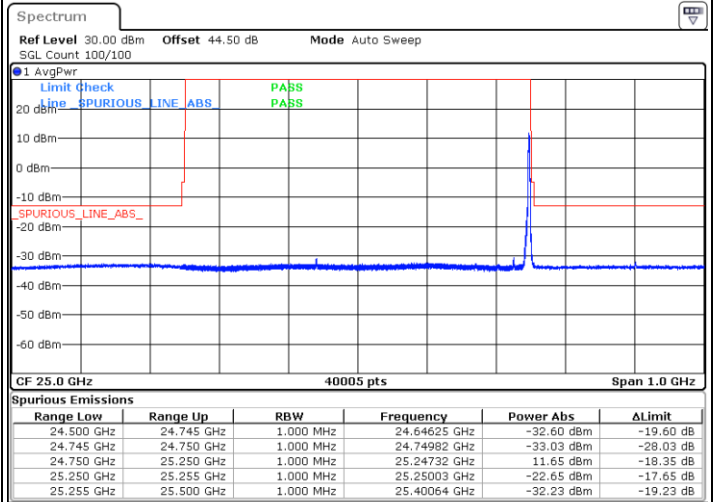


## NR Band n258b/ 50MHz / 64QAM

## Lowest Band Edge / 1 RB



## Highest Band Edge / 1 RB

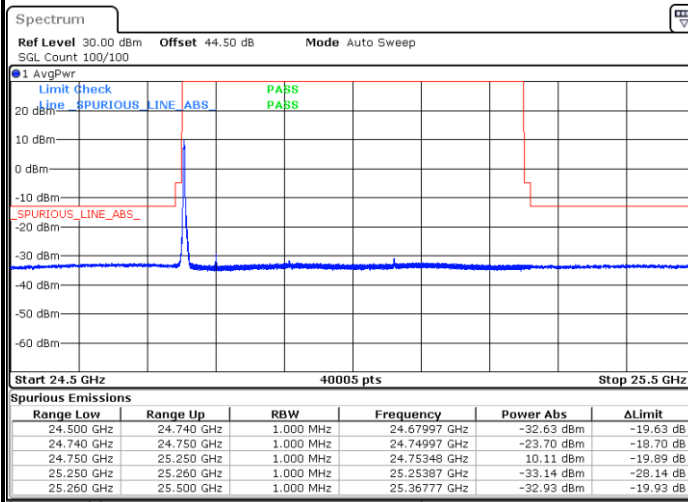




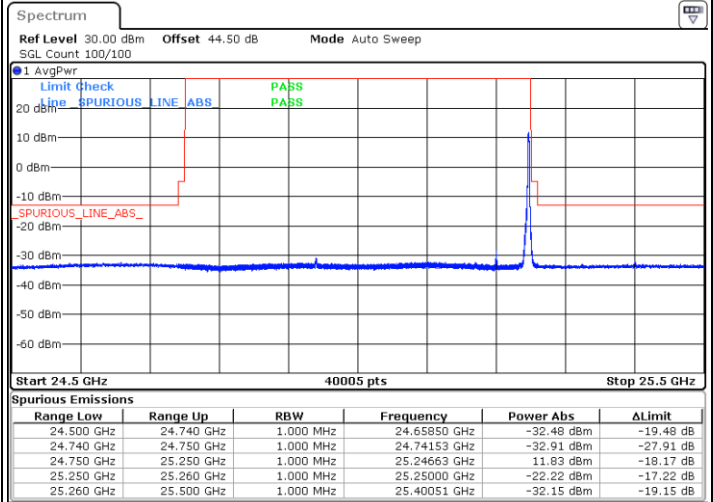
## DFT-s-OFDM Module 0

## NR Band n258b/ 100MHz / BPSK

## Lowest Band Edge / 1 RB

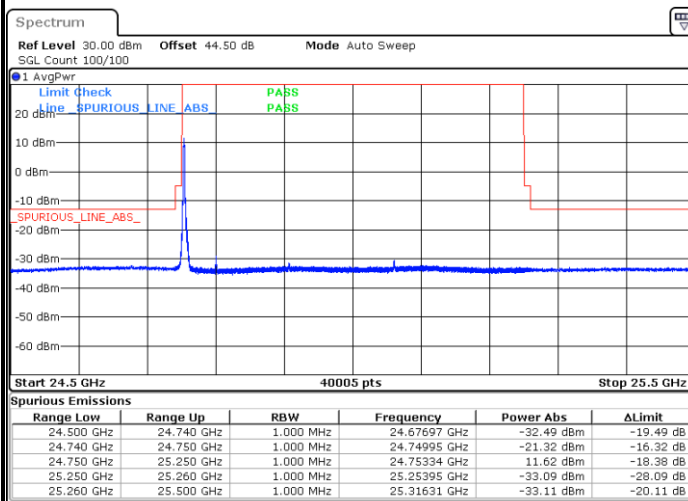


## Highest Band Edge / 1 RB

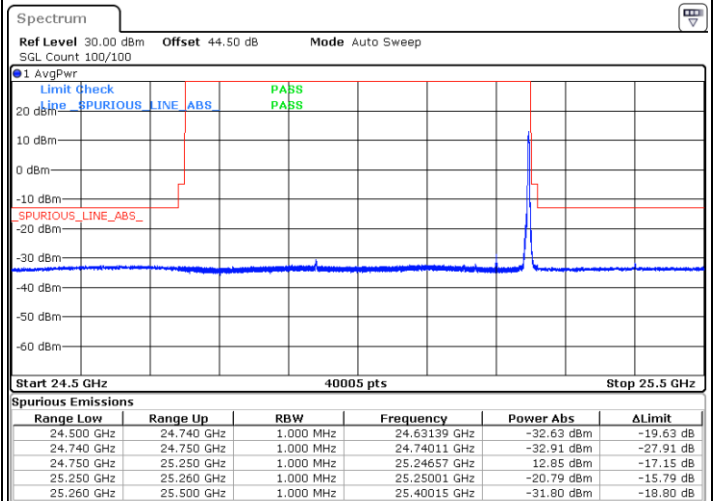


## NR Band n258b/ 100MHz / QPSK

## Lowest Band Edge / 1 RB



## Highest Band Edge / 1 RB

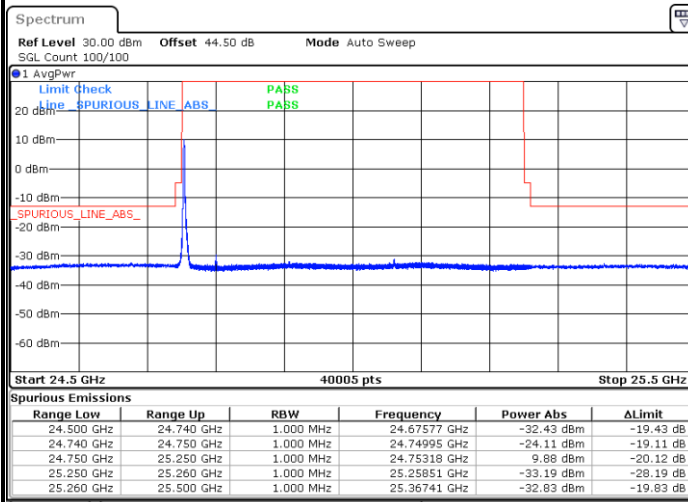




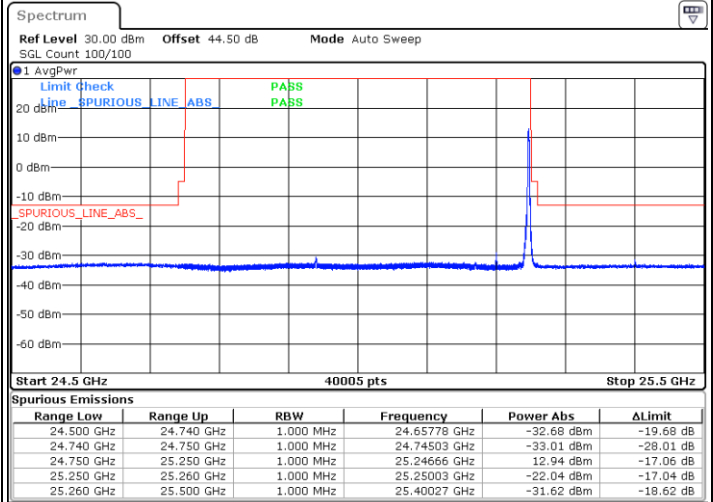
## DFT-s-OFDM Module 0

## NR Band n258b/ 100MHz / 16QAM

## Lowest Band Edge / 1 RB

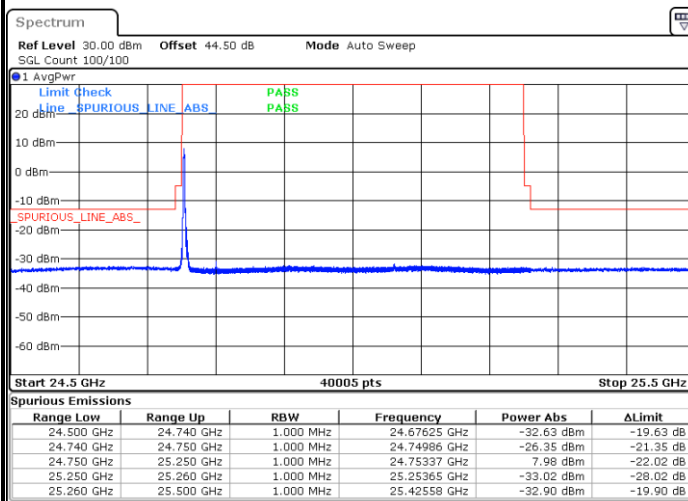


## Highest Band Edge / 1 RB

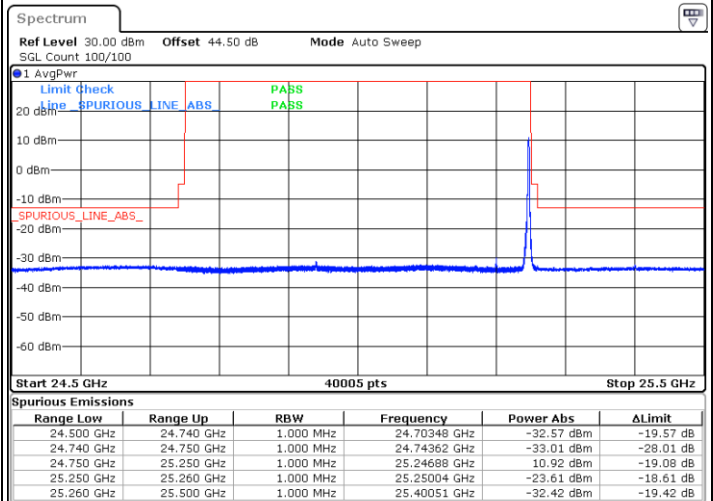


## NR Band n258b/ 100MHz / 64QAM

## Lowest Band Edge / 1 RB



## Highest Band Edge / 1 RB

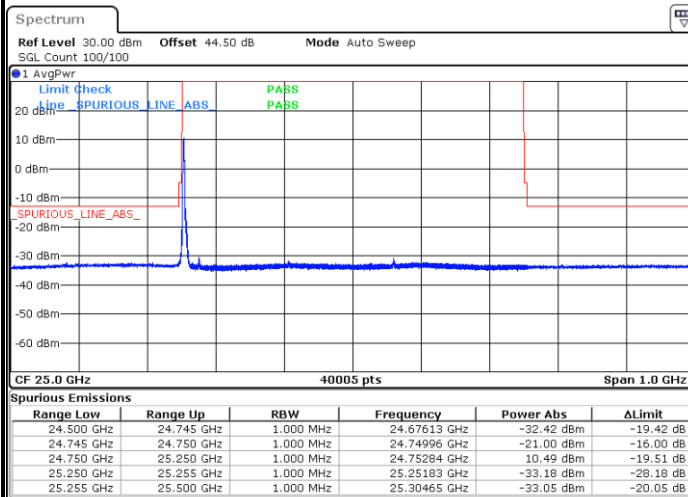




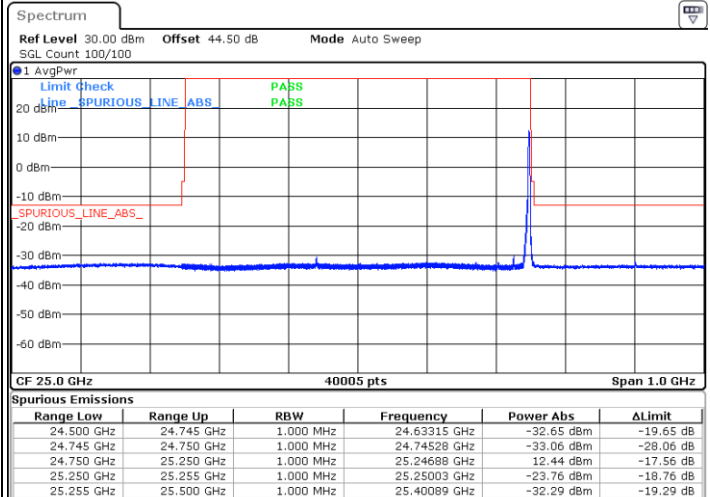
## CP-OFDM Module 0

## NR Band n258b/ 50MHz / QPSK

## Lowest Band Edge / 1 RB

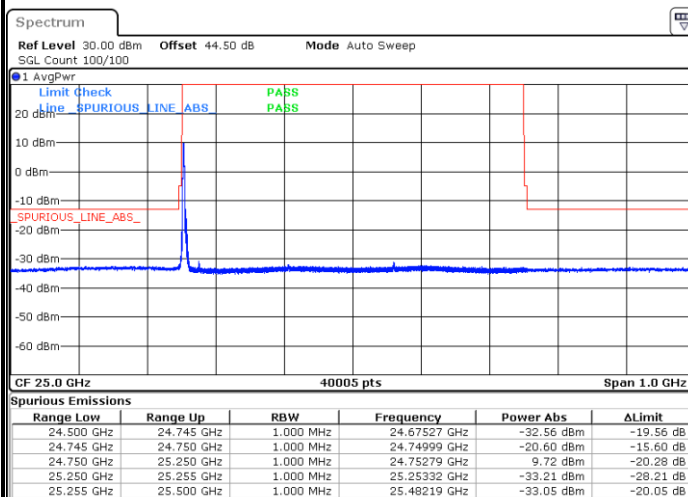


## Highest Band Edge / 1 RB

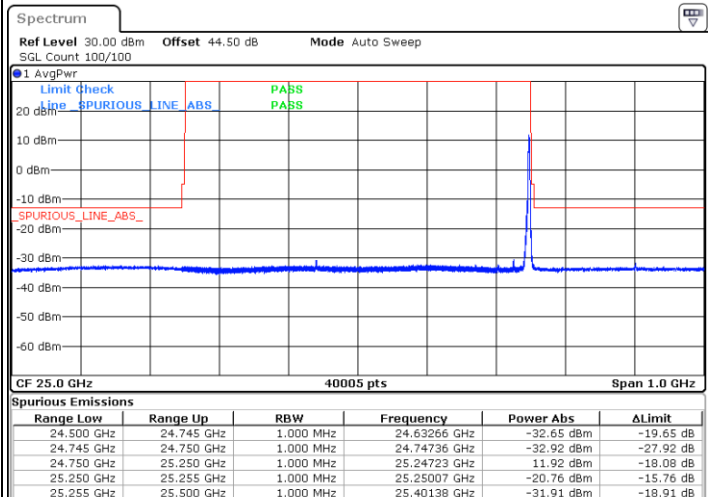


## NR Band n258b/ 50MHz / 16QAM

## Lowest Band Edge / 1 RB



## Highest Band Edge / 1 RB

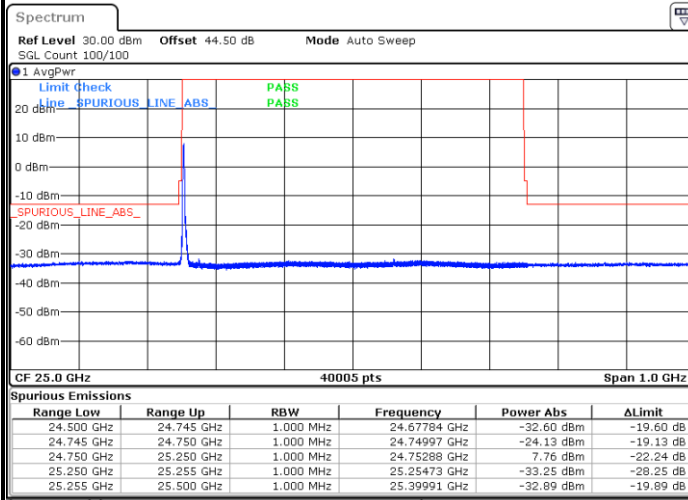




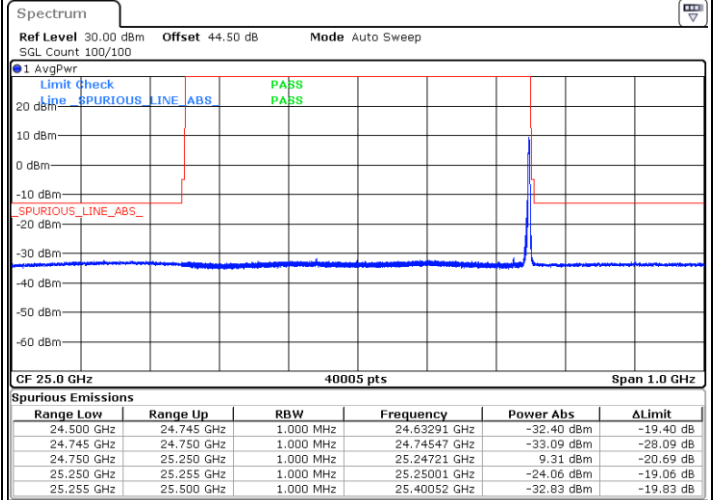
## CP-OFDM Module 0

## NR Band n258b/ 50MHz / 64QAM

## Lowest Band Edge / 1 RB

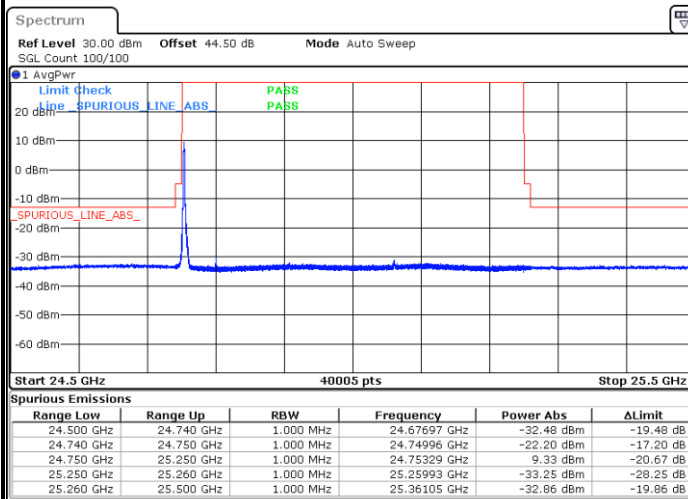


## Highest Band Edge / 1 RB



## NR Band n258b/ 100MHz / QPSK

## Lowest Band Edge / 1 RB



## Highest Band Edge / 1 RB

