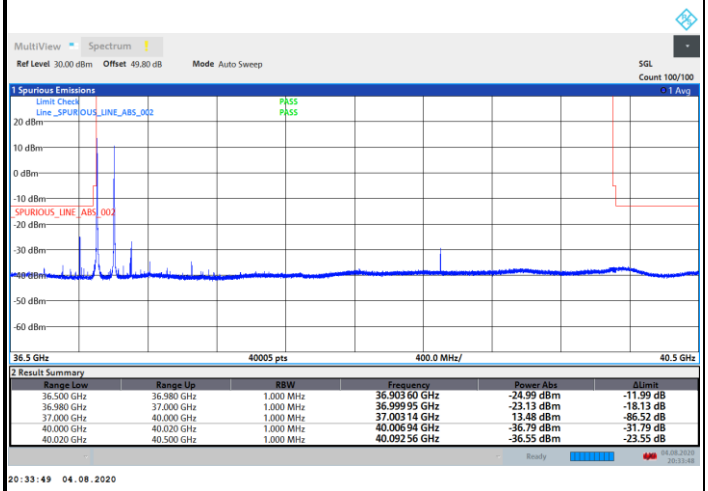
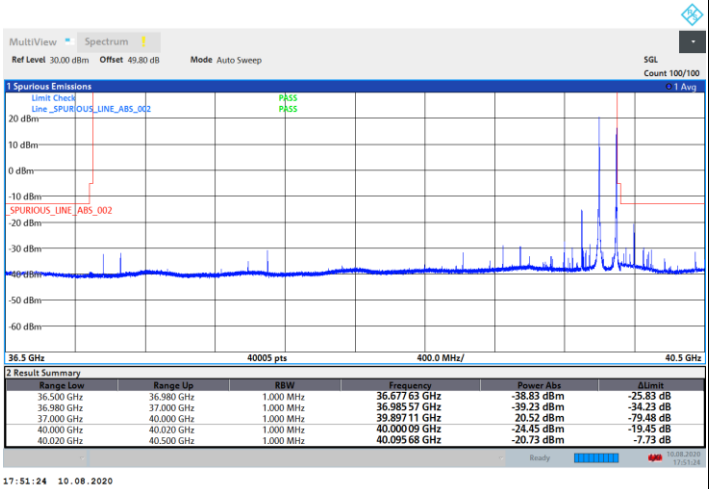
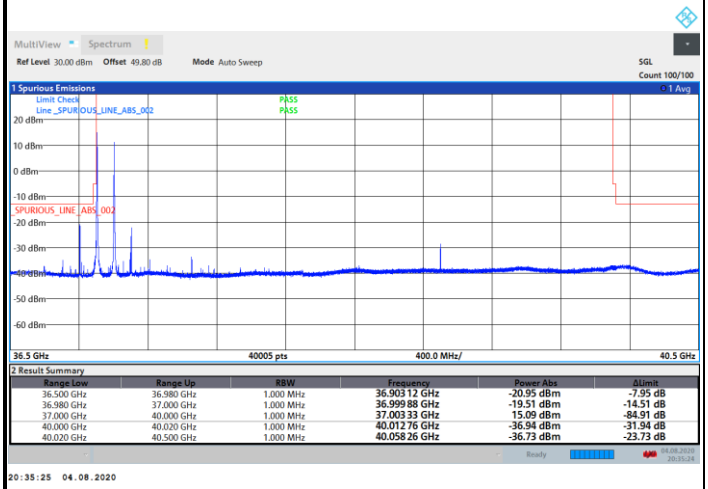
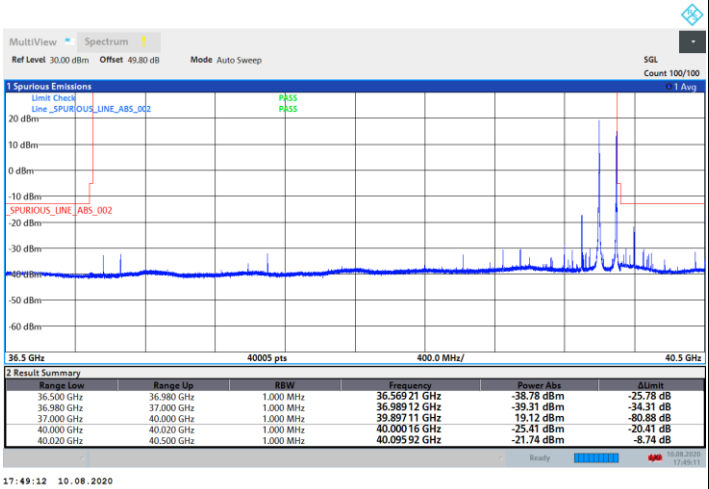
**CP-OFDM Module 0**

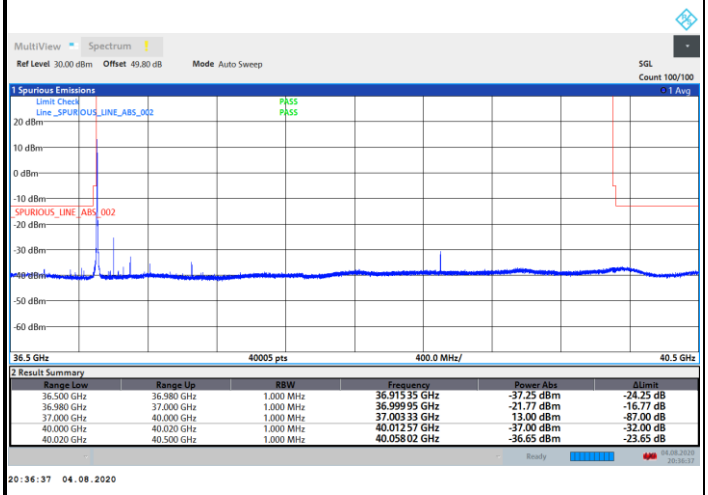
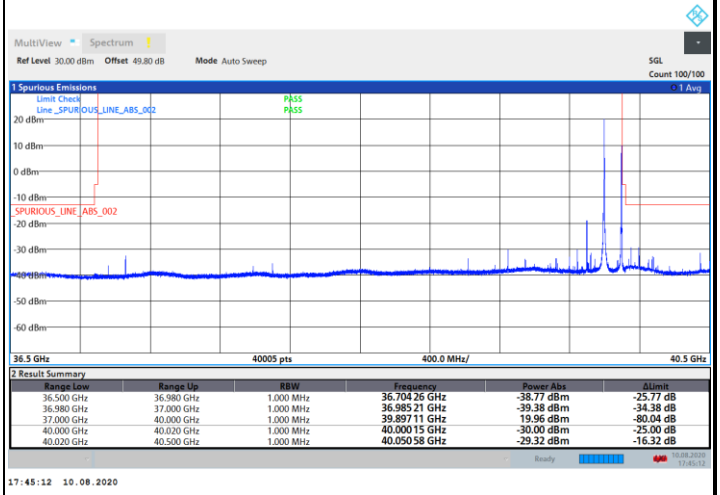
| NR Band n260 / 200MHz / QPSK | |
|---|---|
| **Lowest Band Edge / 1 RB** | **Highest Band Edge / 1 RB** |
|  |  |



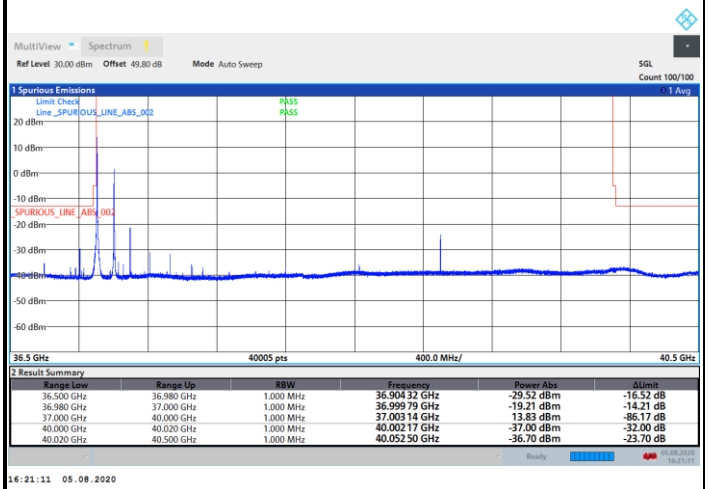
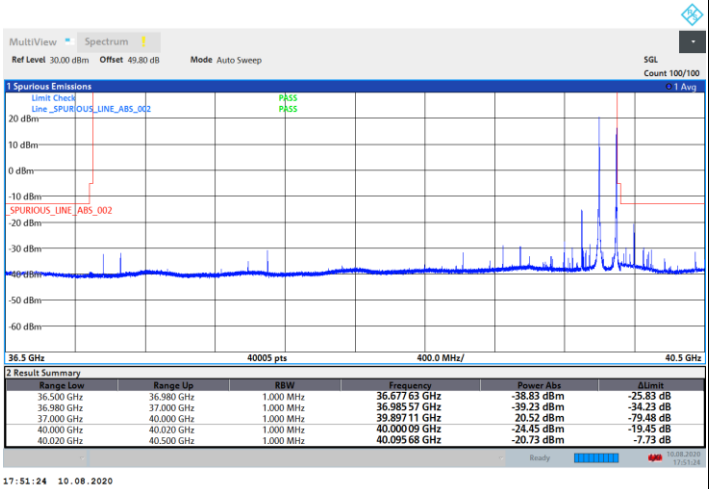


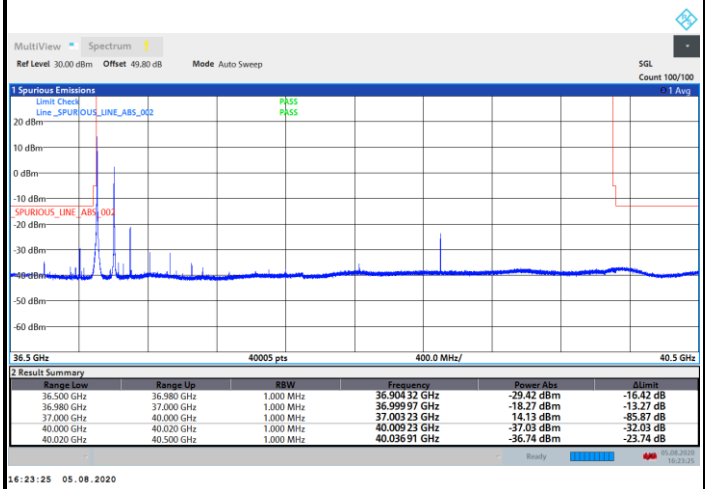
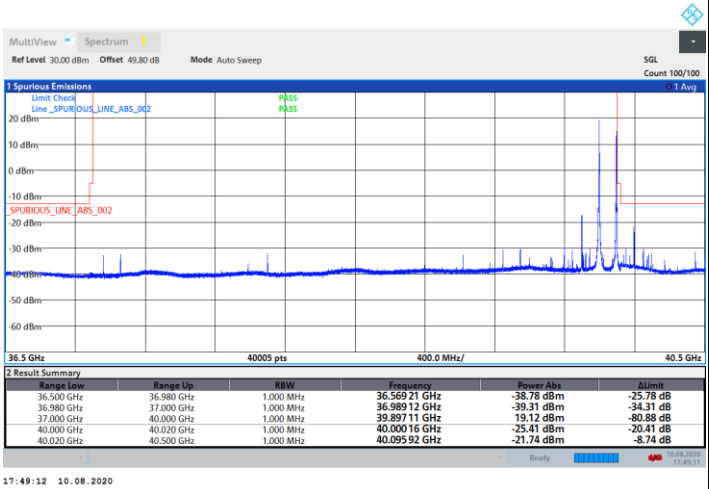
| NR Band n260 / 200MHz / 16QAM | |
|---|---|
| **Lowest Band Edge / 1 RB** | **Highest Band Edge / 1 RB** |
|  |  |

**CP-OFDM Module 0**

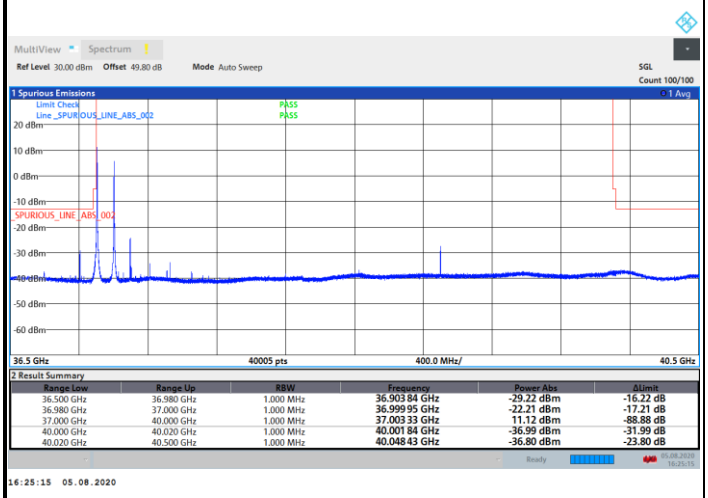
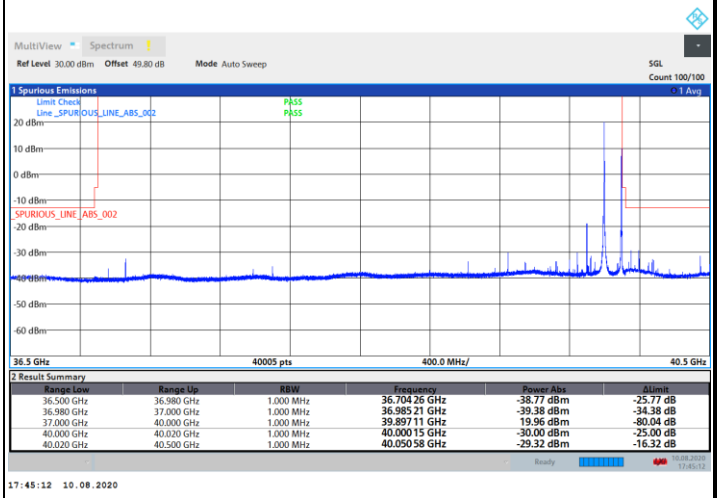
| NR Band n260 / 200MHz / 64QAM | |
|---|---|
| **Lowest Band Edge / 1 RB** | **Highest Band Edge / 1 RB** |
|  |  |

**CP-OFDM Module 1**

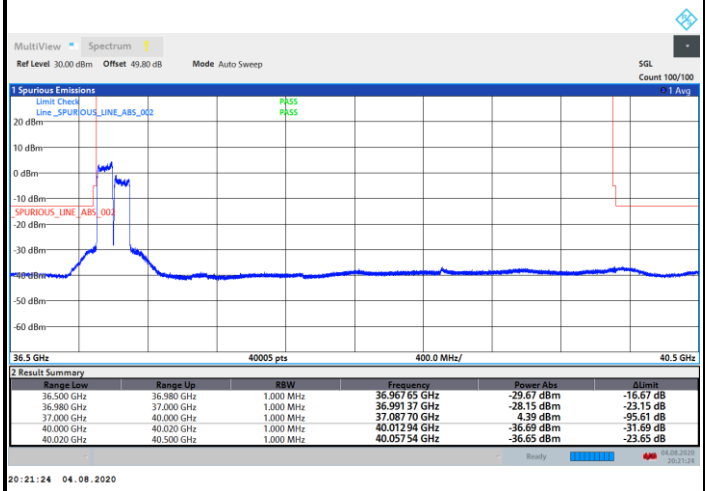
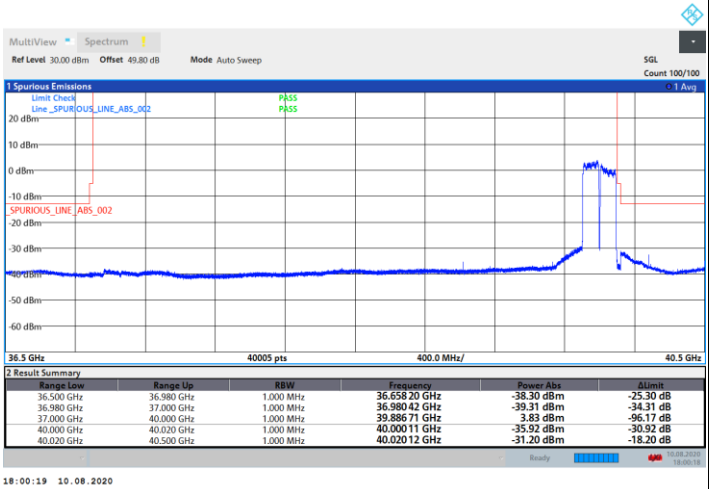
| NR Band n260 / 200MHz / QPSK | |
|---|---|
| **Lowest Band Edge / 1 RB** | **Highest Band Edge / 1 RB** |
|  |  |
| 16:21:11 05.08.2020 | 17:51:24 10.08.2020 |

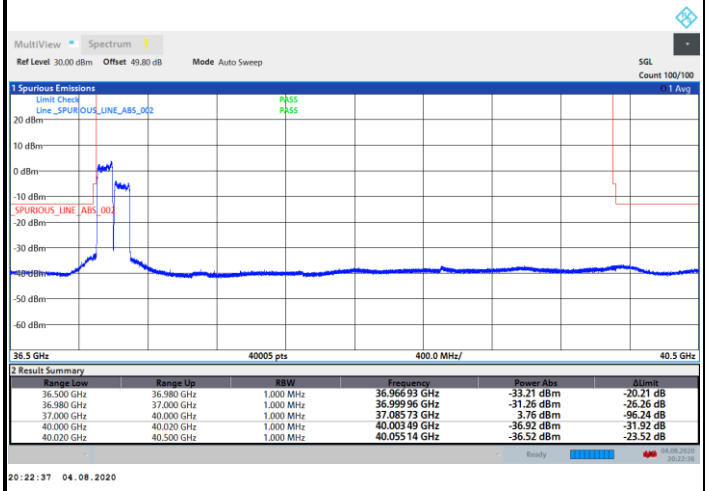
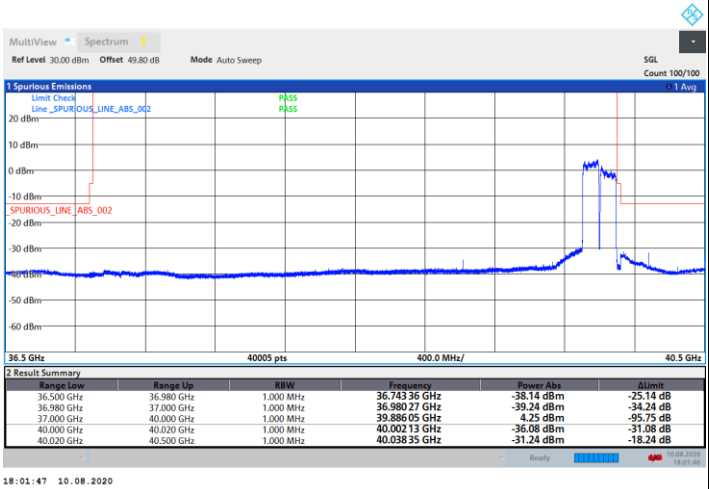
| NR Band n260 / 200MHz / 16QAM | |
|---|---|
| **Lowest Band Edge / 1 RB** | **Highest Band Edge / 1 RB** |
|  |  |
| 16:23:25 05.08.2020 | 17:49:12 10.08.2020 |

**CP-OFDM Module 1**

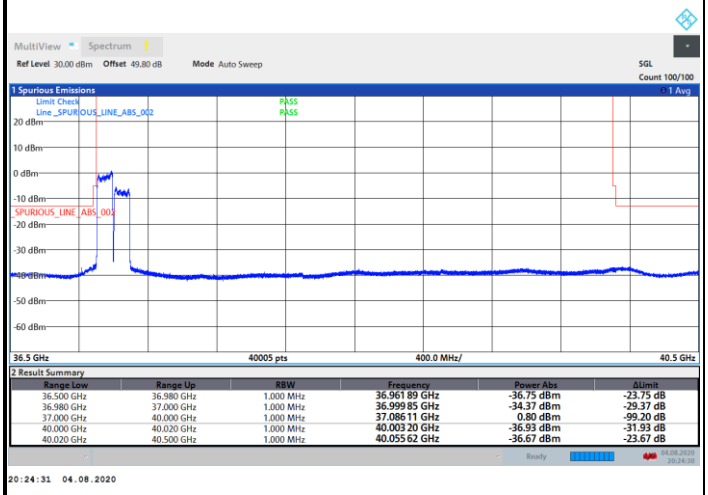
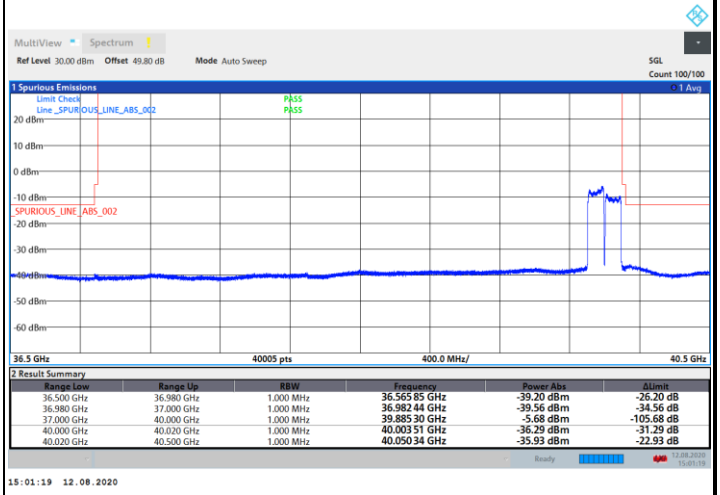
| NR Band n260 / 200MHz / 64QAM | |
|---|---|
| **Lowest Band Edge / 1 RB** | **Highest Band Edge / 1 RB** |
|  |  |

**DFT-s-OFDM Module 0**

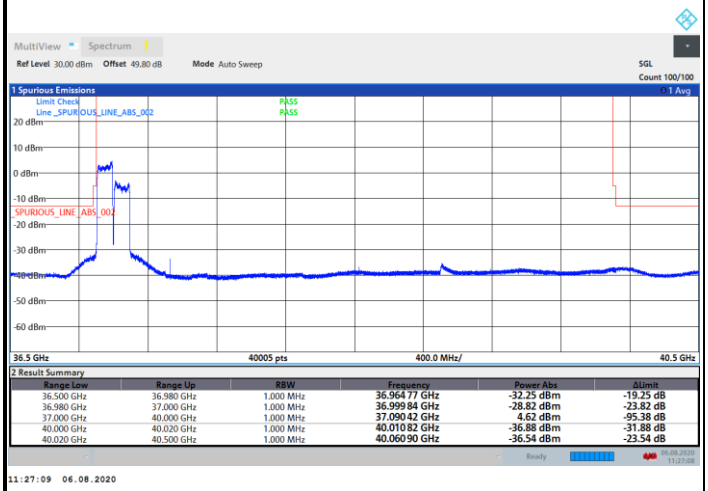
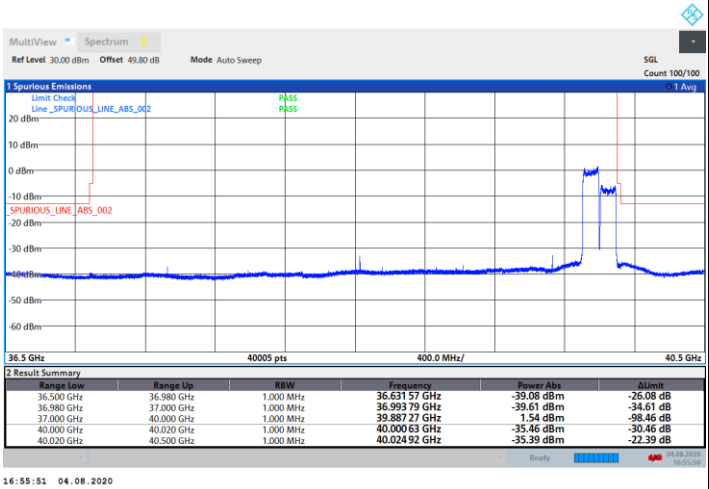
| NR Band n260 / 200MHz / QPSK | |
|---|---|
| **Lowest Band Edge / Full RB** | **Highest Band Edge / Full RB** |
|  |  |
| 20:21:24 04.08.2020 | 18:00:19 10.08.2020 |

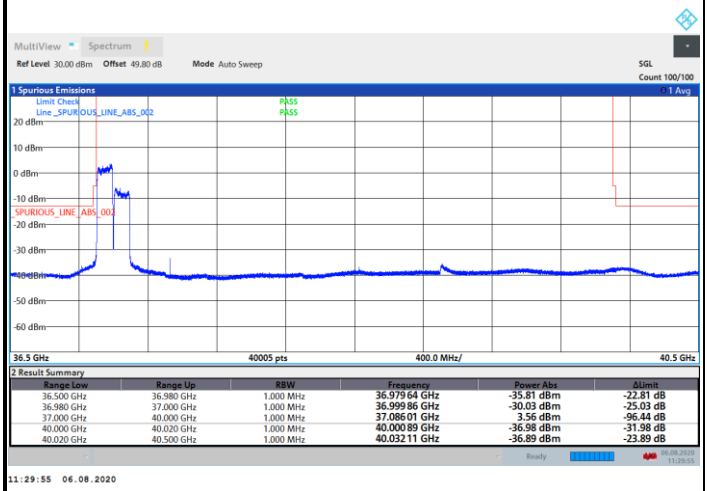
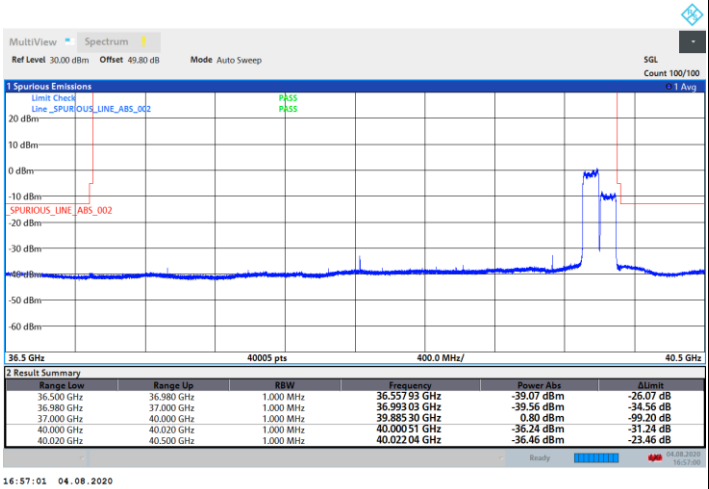
| NR Band n260 / 200MHz / 16QAM | |
|---|---|
| **Lowest Band Edge / Full RB** | **Highest Band Edge / Full RB** |
|  |  |
| 20:22:37 04.08.2020 | 18:01:47 10.08.2020 |

**DFT-s-OFDM Module 0**

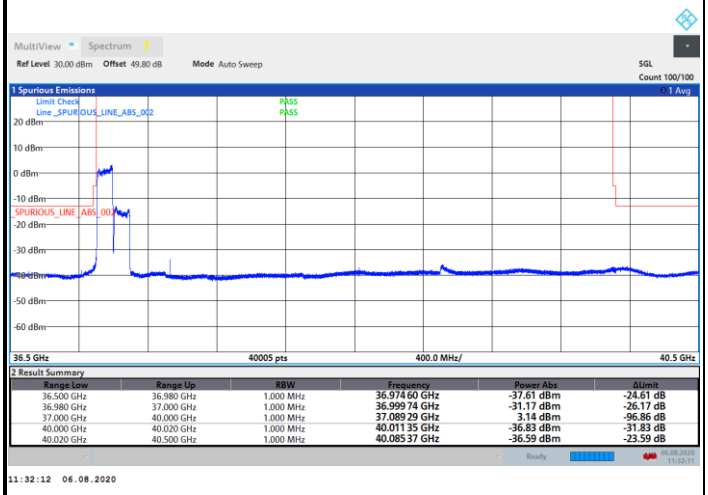
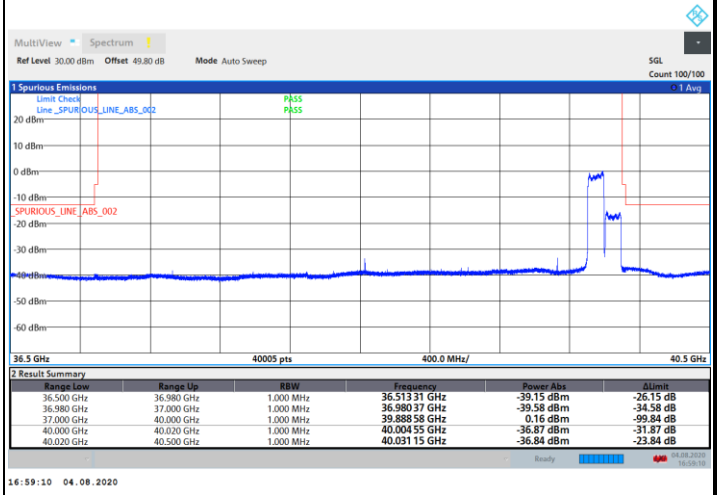
| NR Band n260 / 200MHz / 64QAM | |
|---|---|
| **Lowest Band Edge / Full RB** | **Highest Band Edge / Full RB** |
|  |  |

**DFT-s-OFDM Module 1**

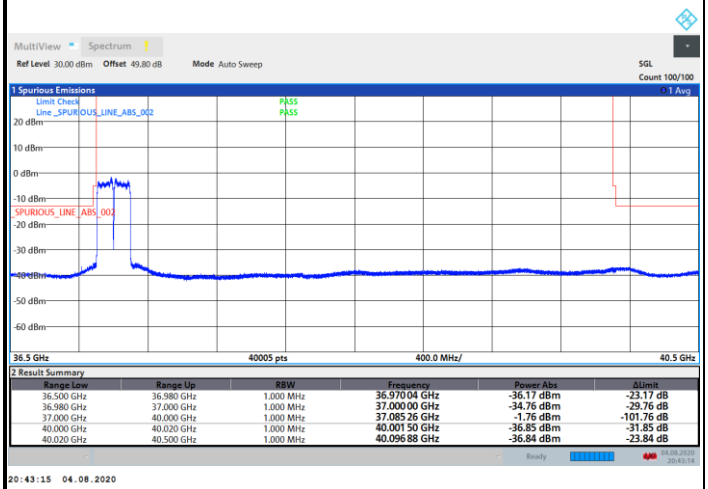
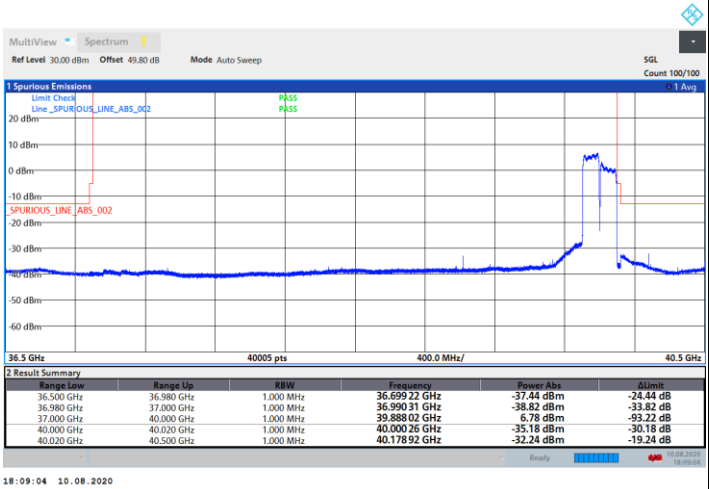
| NR Band n260 / 200MHz / QPSK | |
|---|---|
| **Lowest Band Edge / Full RB** | **Highest Band Edge / Full RB** |
|  |  |
| 11:27:09 06.08.2020 | 16:55:51 04.08.2020 |

| NR Band n260 / 200MHz / 16QAM | |
|---|---|
| **Lowest Band Edge / Full RB** | **Highest Band Edge / Full RB** |
|  |  |
| 11:29:55 06.08.2020 | 16:57:01 04.08.2020 |

**DFT-s-OFDM Module 1**

| NR Band n260 / 200MHz / 64QAM | |
|---|---|
| **Lowest Band Edge / Full RB** | **Highest Band Edge / Full RB** |
|  |  |

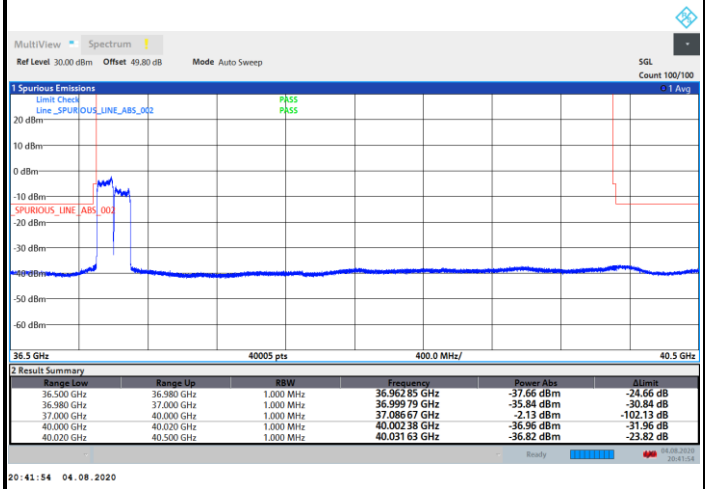
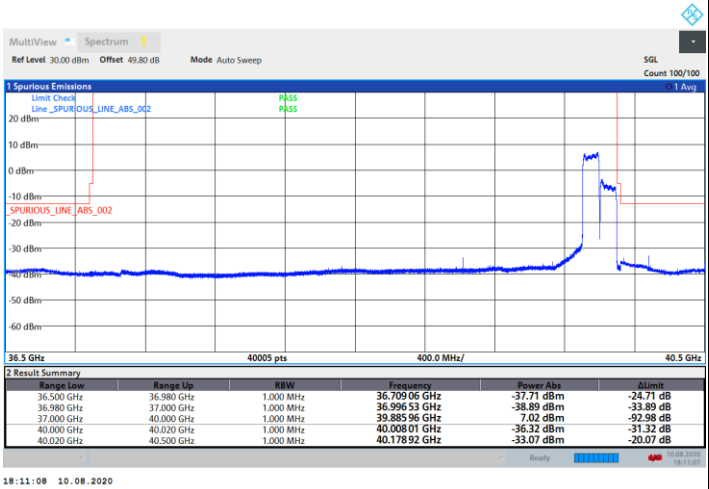
## CP-OFDM Module 0

| NR Band n260 / 200MHz / QPSK | |
|---|---|
| **Lowest Band Edge / Full RB** | **Highest Band Edge / Full RB** |
|  |  |

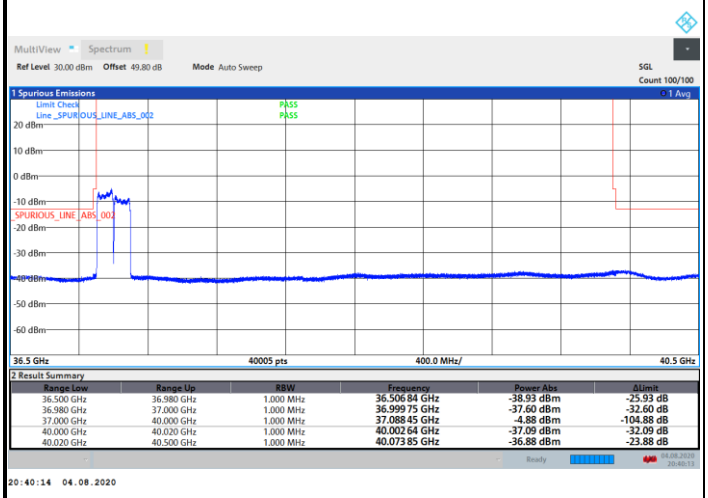
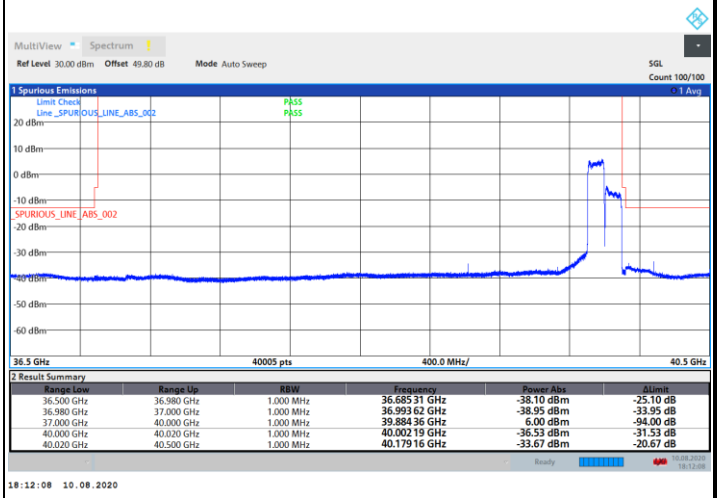






| NR Band n260 / 200MHz / 16QAM | |
|---|---|
| **Lowest Band Edge / Full RB** | **Highest Band Edge / Full RB** |
|  |  |

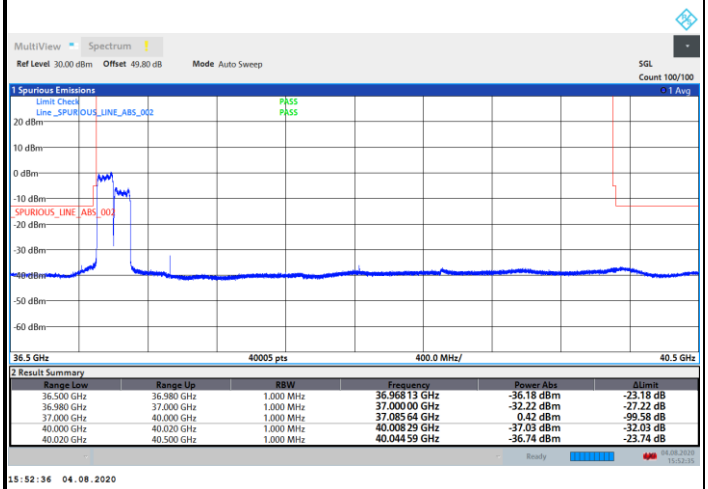
**CP-OFDM Module 0**

| NR Band n260 / 200MHz / 64QAM | |
|---|---|
| **Lowest Band Edge / Full RB** | **Highest Band Edge / Full RB** |
|  |  |

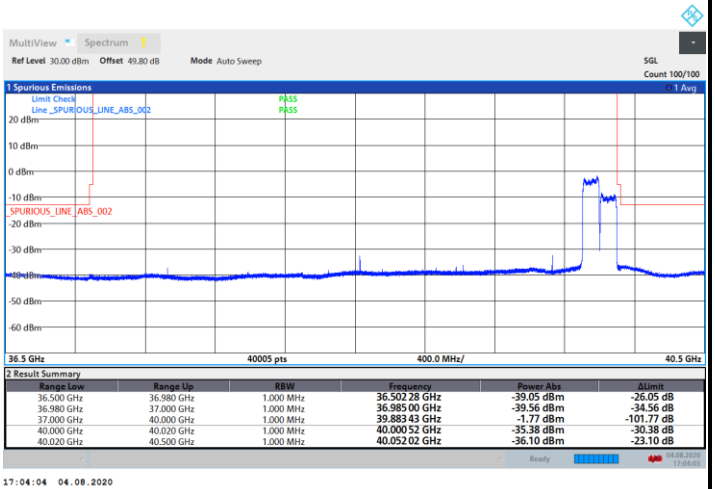
## CP-OFDM Module 1

### NR Band n260 / 200MHz / QPSK

#### Lowest Band Edge / Full RB

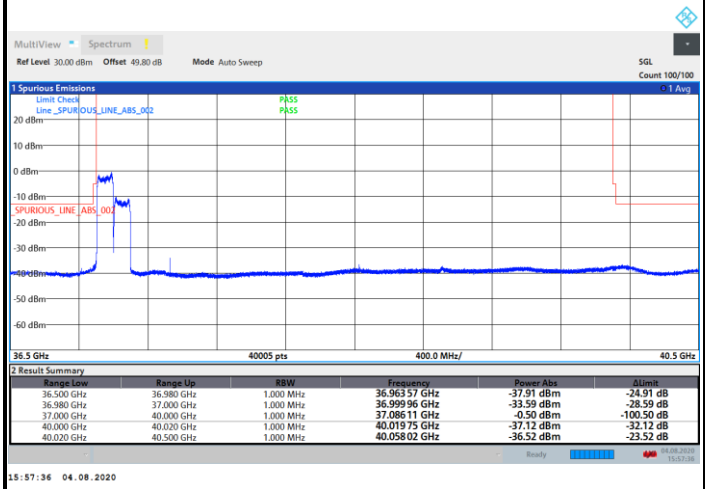



#### Highest Band Edge / Full RB

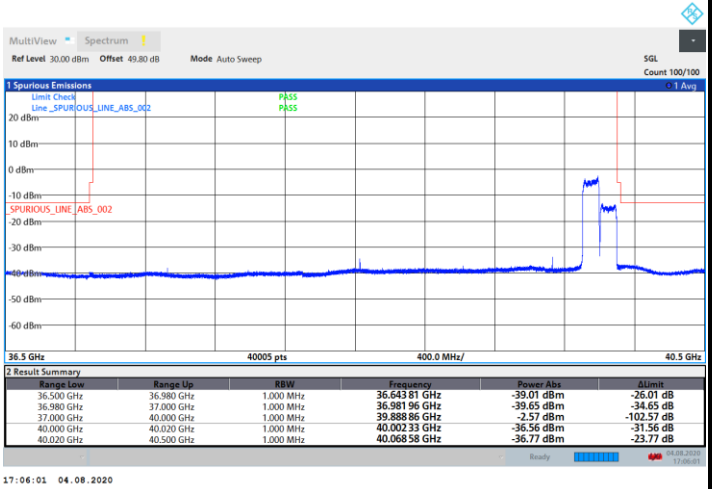



### NR Band n260 / 200MHz / 16QAM

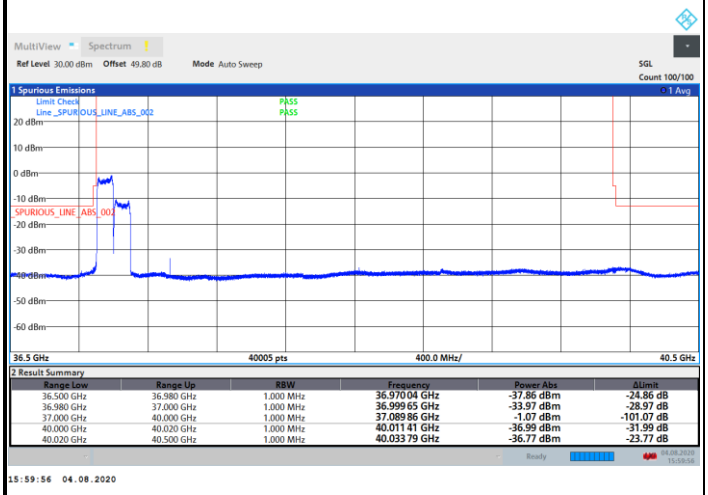
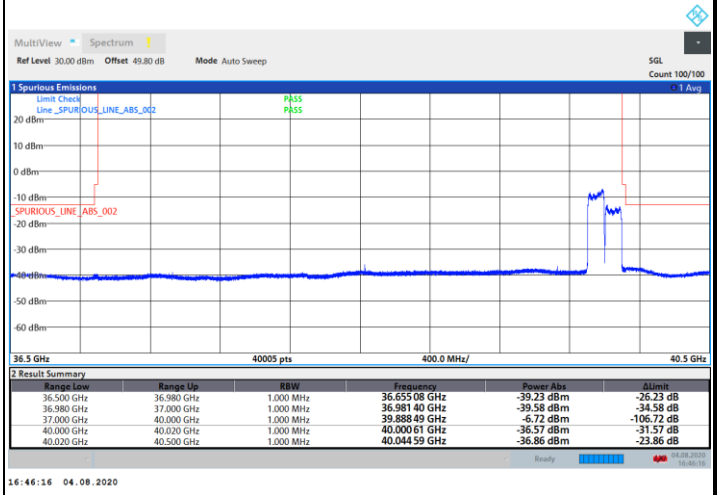
#### Lowest Band Edge / Full RB




#### Highest Band Edge / Full RB



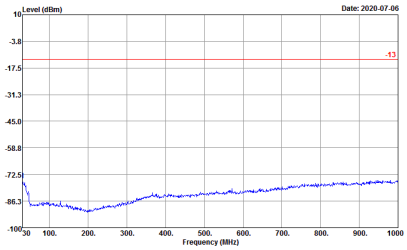
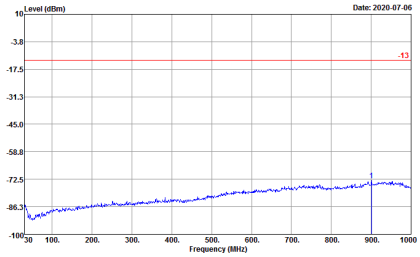
**CP-OFDM Module 1**

| NR Band n260 / 200MHz / 64QAM | |
|---|---|
| **Lowest Band Edge / Full RB** | **Highest Band Edge / Full RB** |
|  |  |

# Spurious Emission

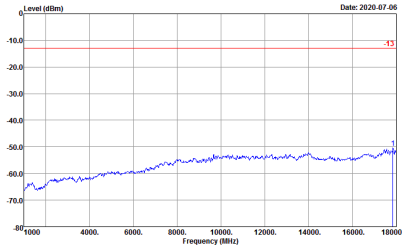
There is no significant spurious emission signal found for frequency started from 9kHz up to 18GHz.

Only the noise floor is reported.

| NR Band n260 (30MHz-1GHz) |
|---|
| Horizontal |
|  <br>Site : 03CH10-HY<br>Condition : -13 EIRP_WO HORIZONTAL<br>Project : 050822-01<br>: n260-M0-B19+147-50M-L-64RB0-QPSK-DFT-S<br>Freq Level Over Limit Limit Line LISN Factor<br>MHz dBm dB dBm dB<br>1 30.00 -75.41 -62.41 -13.00 40.08 |
| Vertical |
|  <br>Site : 03CH10-HY<br>Condition : -13 EIRP_WO VERTICAL<br>Project : 050822-01<br>: n260-M0-B19+147-50M-L-64RB0-QPSK-DFT-S<br>Freq Level Over Limit Limit Line LISN Factor<br>MHz dBm dB dBm dB<br>1 901.06 -73.06 -60.06 -13.00 40.45 |

## NR Band n260 (1GHz-18GHz)

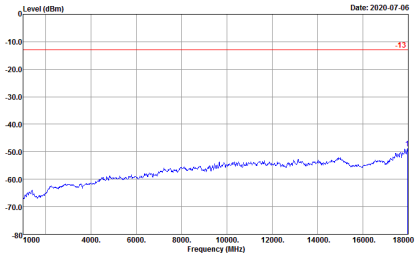
### Horizontal




Site : 03CH10-HY
Condition : -13 EIRP_WO HORIZONTAL
Project : 050822-01
: n260-M0-B19+147-50M-L-64RB0-QPSK-DFT-S

| | Freq | Level | Over Limit | Limit Line | LISN Factor |
|---|---|---|---|---|---|
| | MHz | dBm | dB | dBm | dB |
| 1 | 17847.00 | -50.46 | -37.46 | -13.00 | 72.70 |

### Vertical

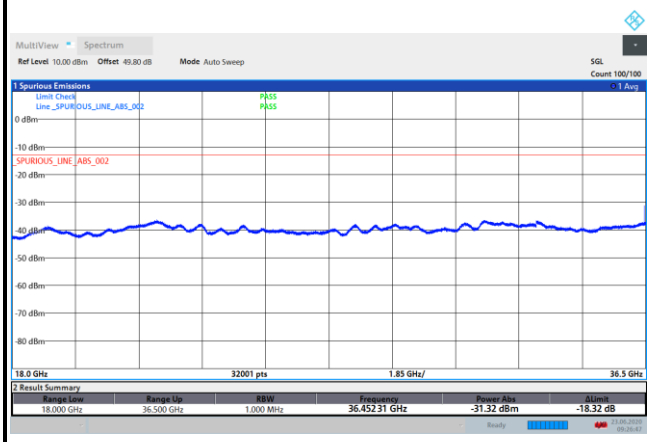
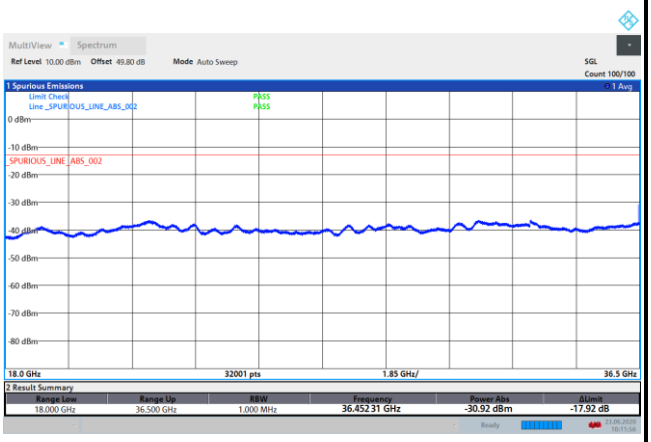
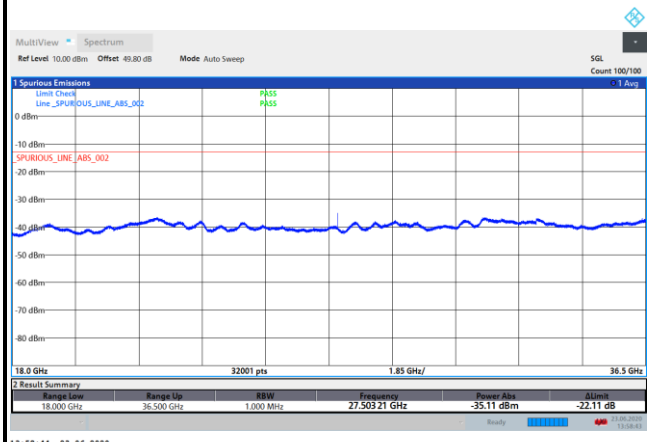
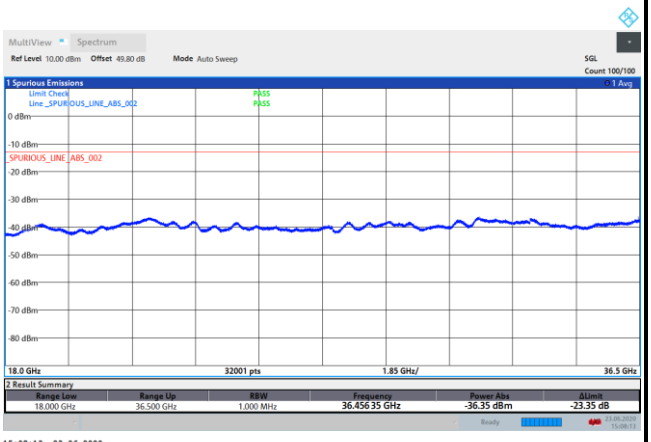
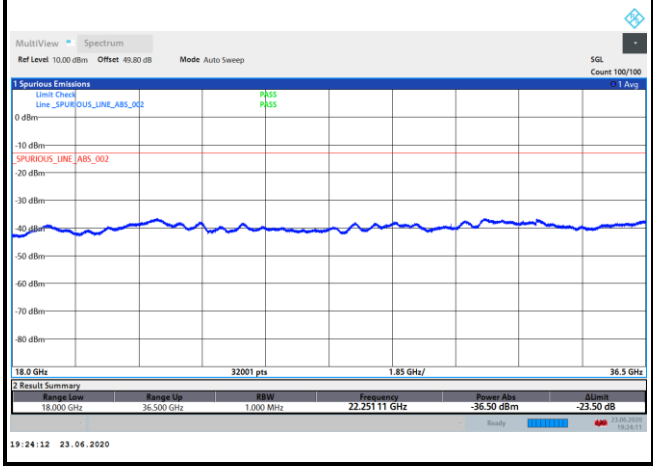
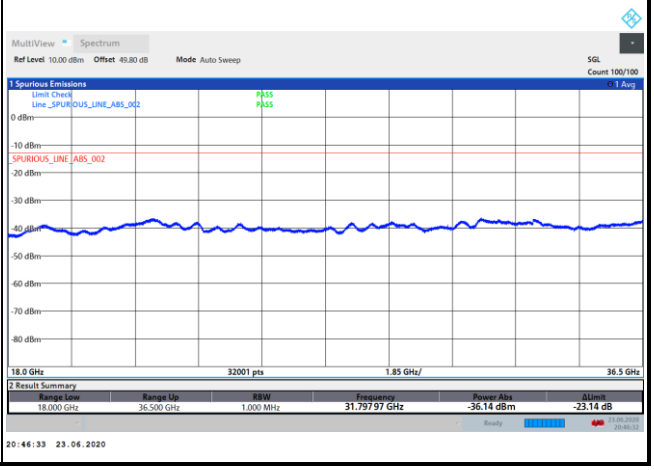



Site : 03CH10-HY
Condition : -13 EIRP_WO VERTICAL
Project : 050822-01
: n260-M0-B19+147-50M-L-64RB0-QPSK-DFT-S

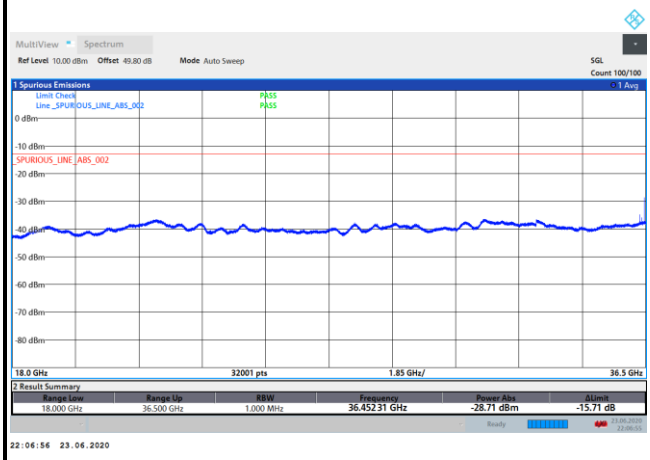
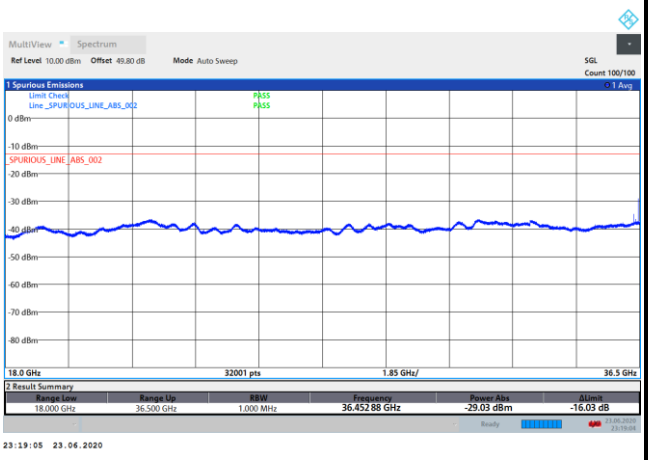
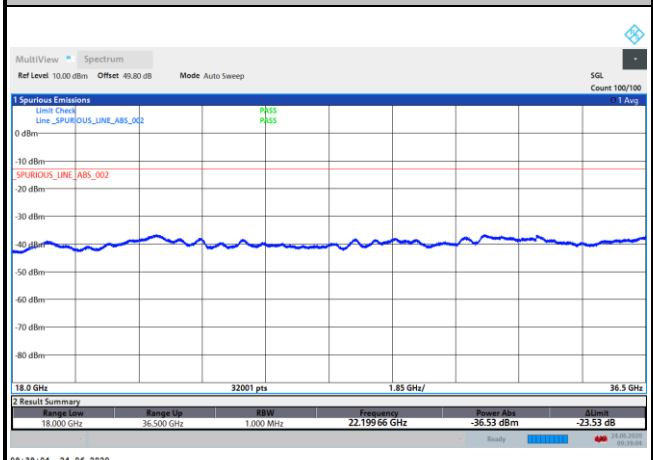
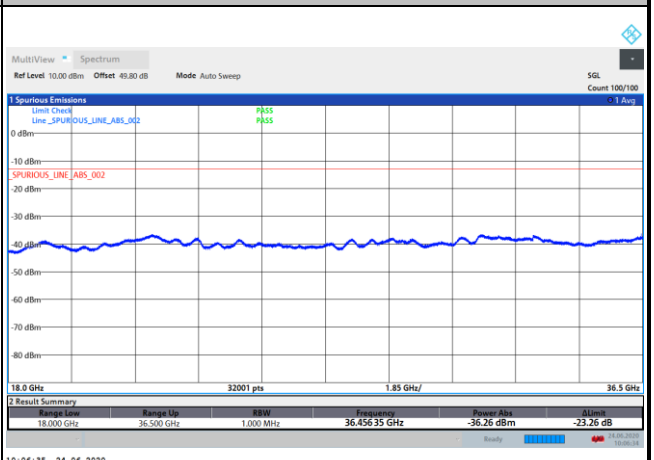
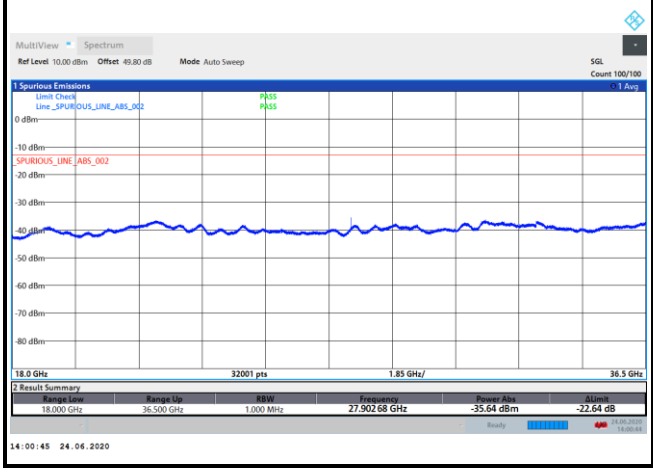
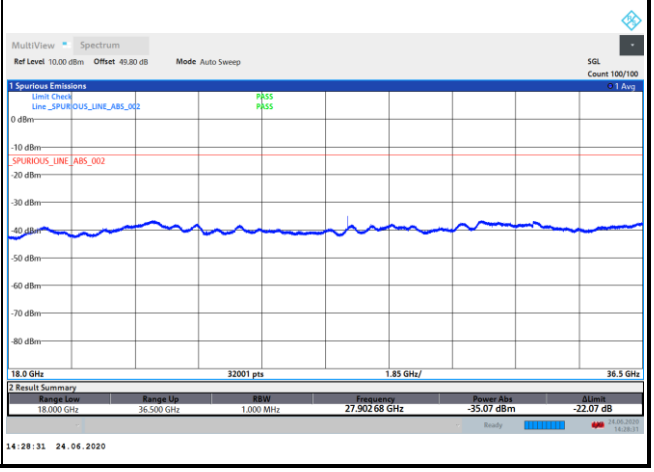
| | Freq | Level | Over Limit | Limit Line | LISN Factor |
|---|---|---|---|---|---|
| | MHz | dBm | dB | dBm | dB |
| 1 | 17966.00 | -48.72 | -35.72 | -13.00 | 75.70 |

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

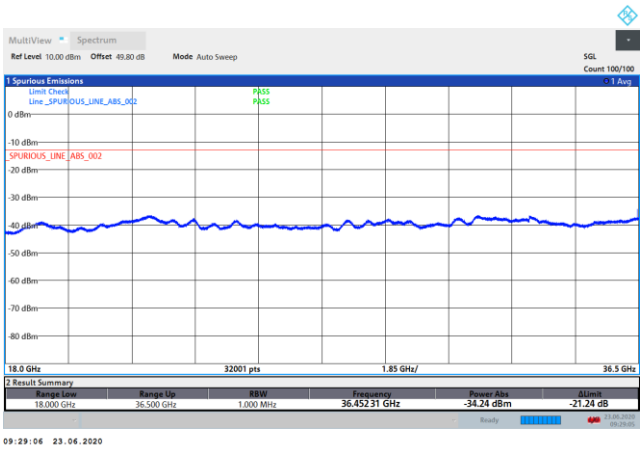
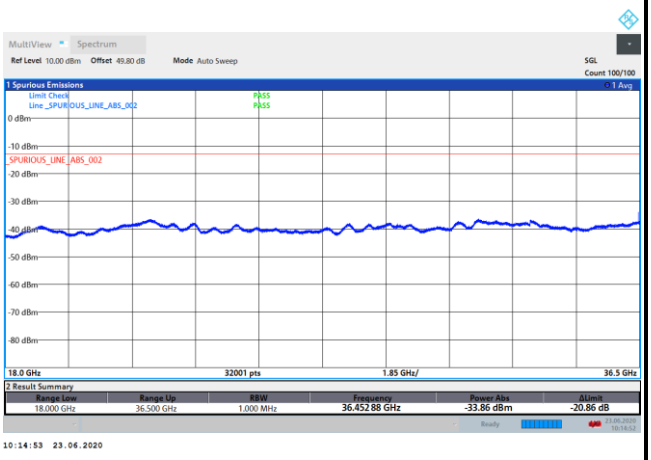
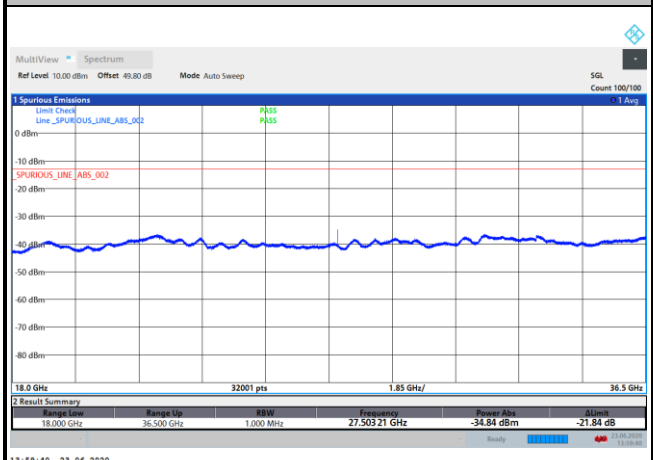
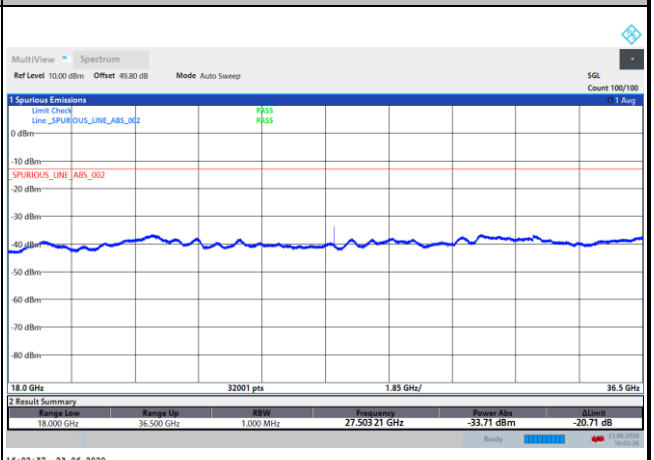
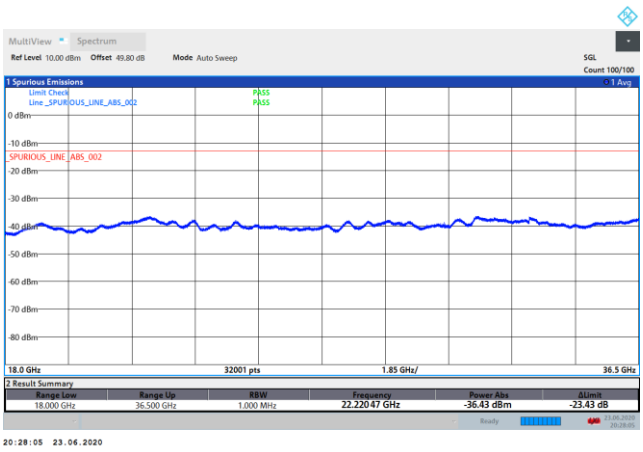
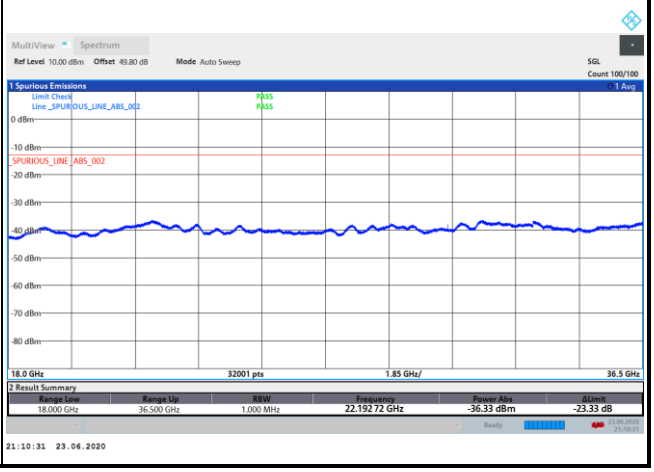
**DFT-s-OFDM Module 0**

| NR Band n260 QPSK (18-36.5GHz) | |
|---|---|
| **Lowest Channel / 50MHz** | **Lowest Channel / 100MHz** |
|  |  |
| **Middle Channel / 50MHz** | **Middle Channel / 100MHz** |
|  |  |
| **Highest Channel / 50MHz** | **Highest Channel / 100MHz** |
|  |  |

**DFT-s-OFDM Module 1**

| NR Band n260 QPSK (18-36.5GHz) | |
|---|---|
| **Lowest Channel / 50MHz** | **Lowest Channel / 100MHz** |
|  |  |
| **Middle Channel / 50MHz** | **Middle Channel / 100MHz** |
|  |  |
| **Highest Channel / 50MHz** | **Highest Channel / 100MHz** |
|  |  |

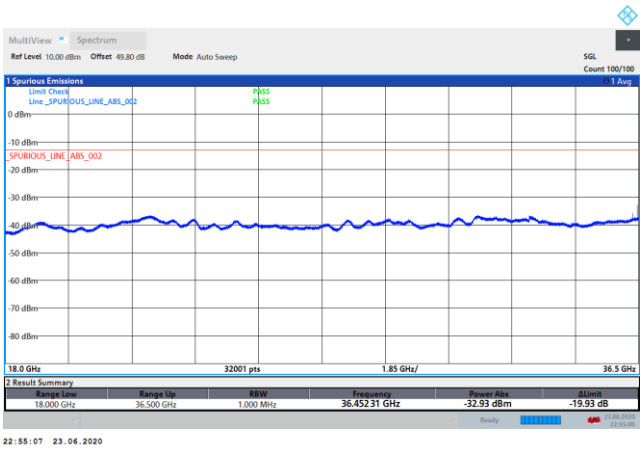
## CP-OFDM Module 0

| NR Band n260 QPSK (18-36.5GHz) | |
|---|---|
| **Lowest Channel / 50MHz** | **Lowest Channel / 100MHz** |
|  |  |
| **Middle Channel / 50MHz** | **Middle Channel / 100MHz** |
|  |  |
| **Highest Channel / 50MHz** | **Highest Channel / 100MHz** |
|  |  |

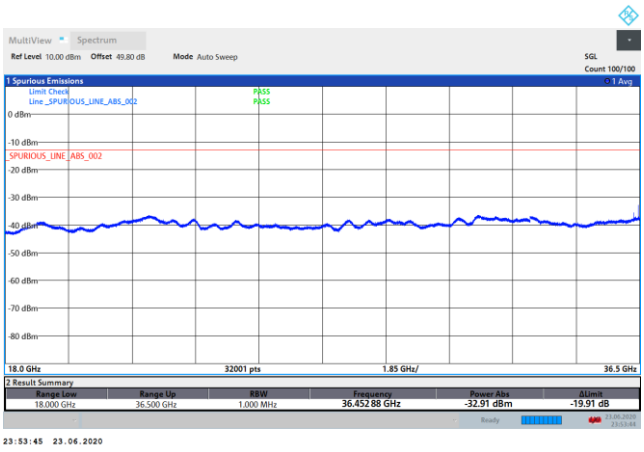
## CP-OFDM Module 1

### NR Band n260 QPSK (18-36.5GHz)

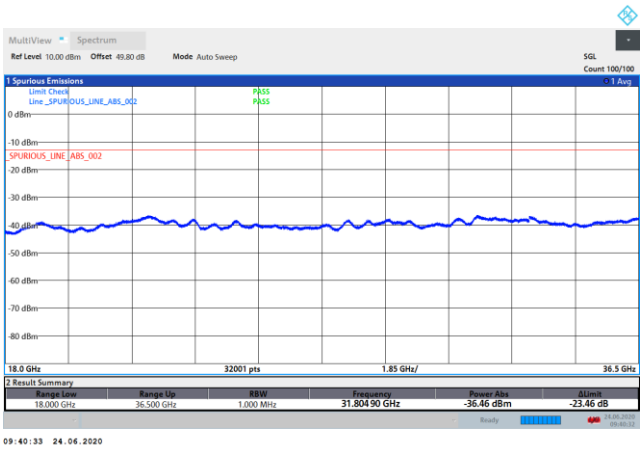
#### Lowest Channel / 50MHz



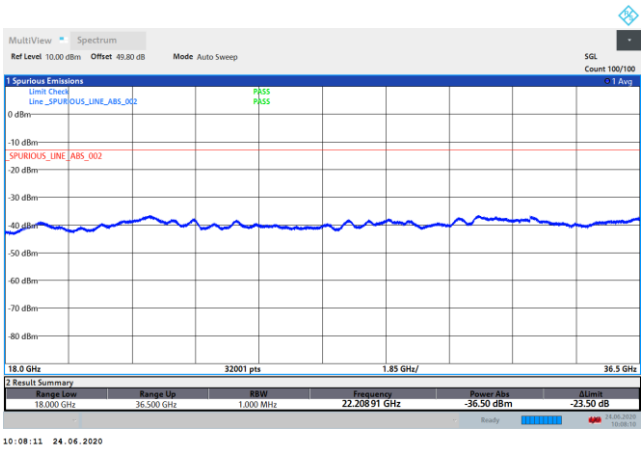

#### Lowest Channel / 100MHz



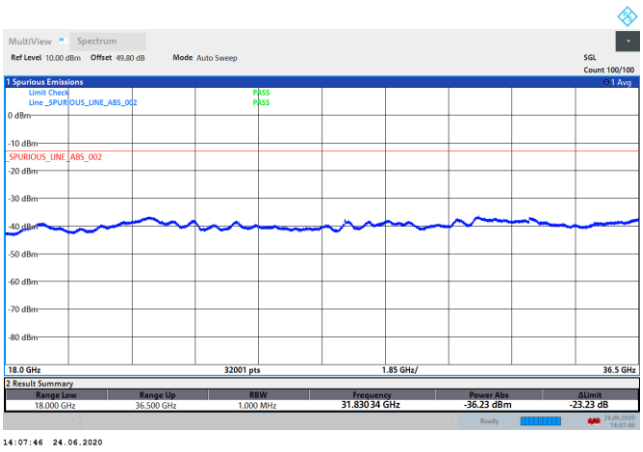

#### Middle Channel / 50MHz



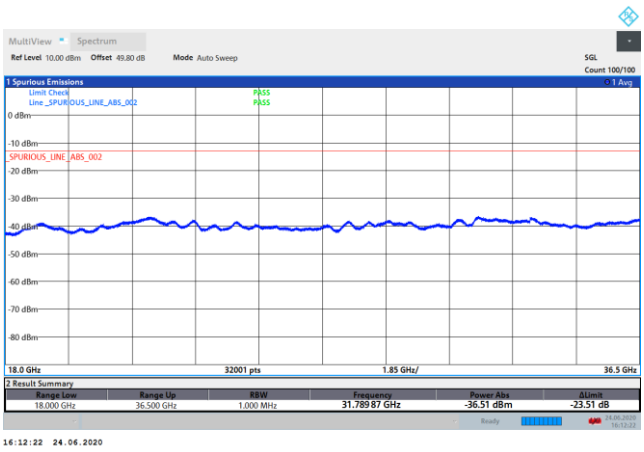

#### Middle Channel / 100MHz



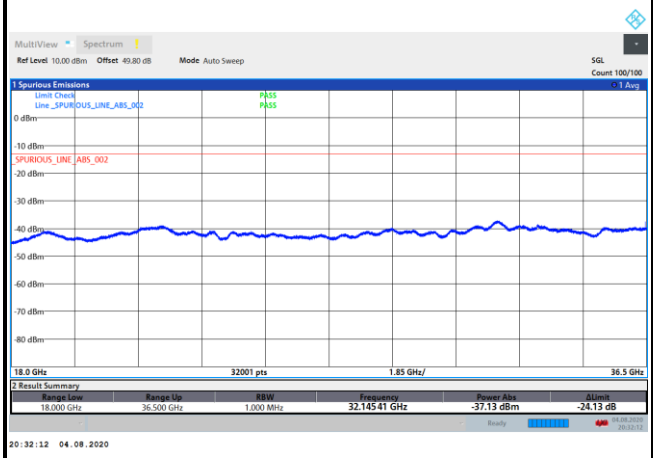
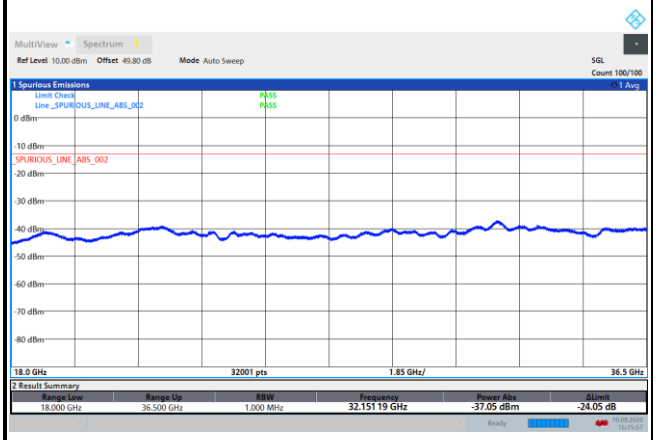
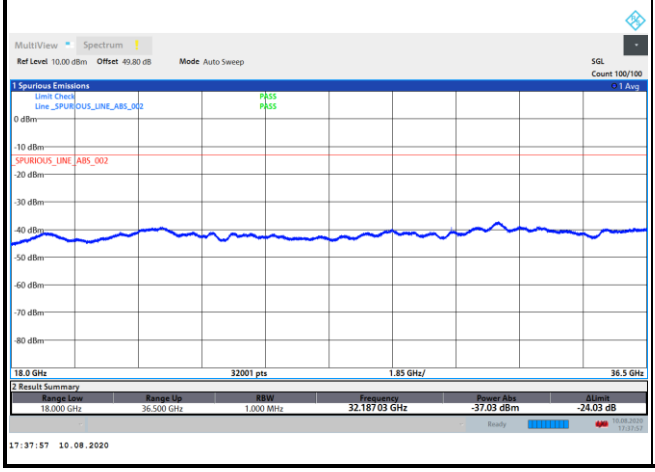

#### Highest Channel / 50MHz



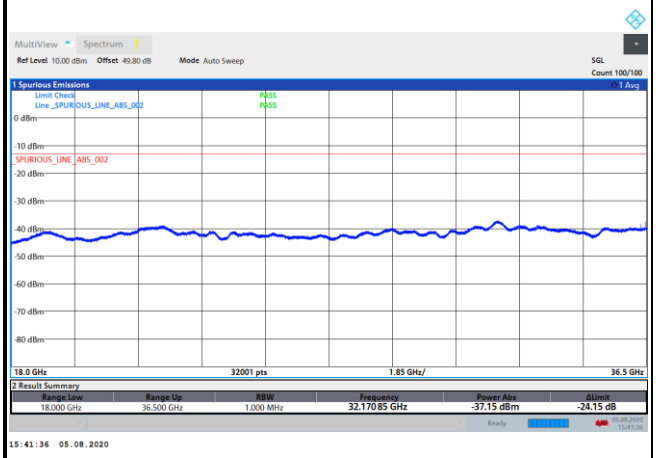
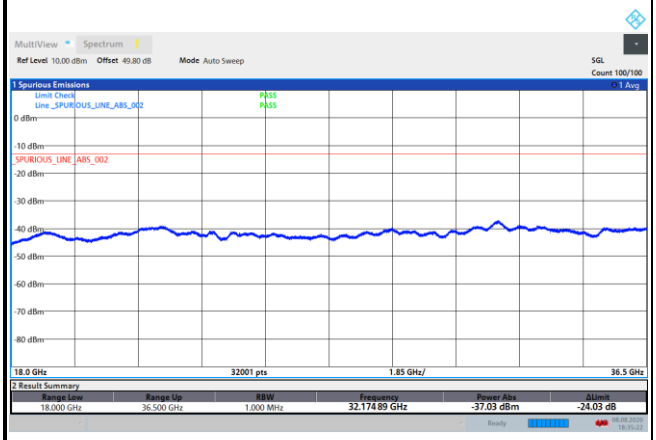
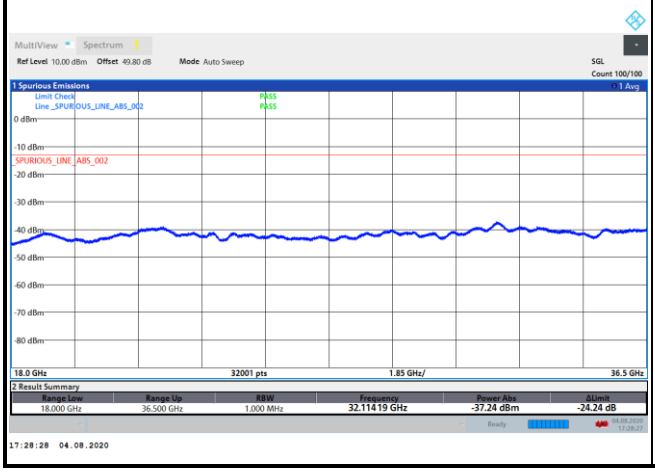

#### Highest Channel / 100MHz



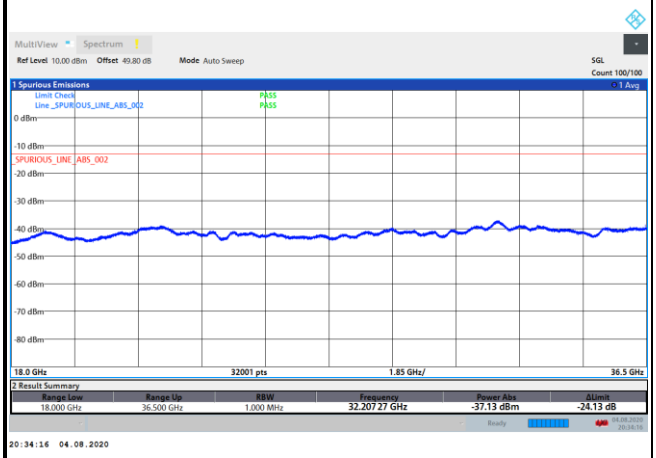
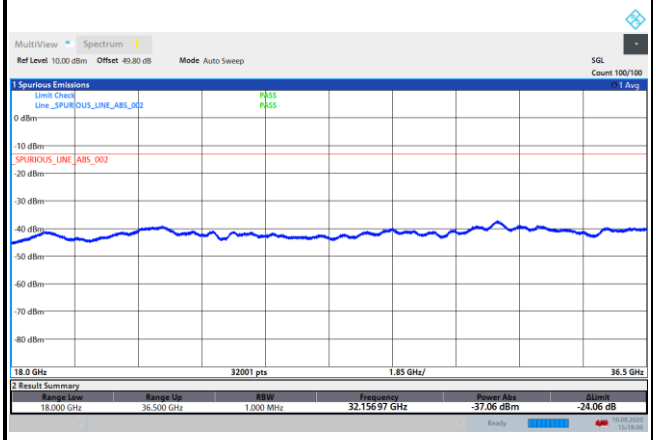
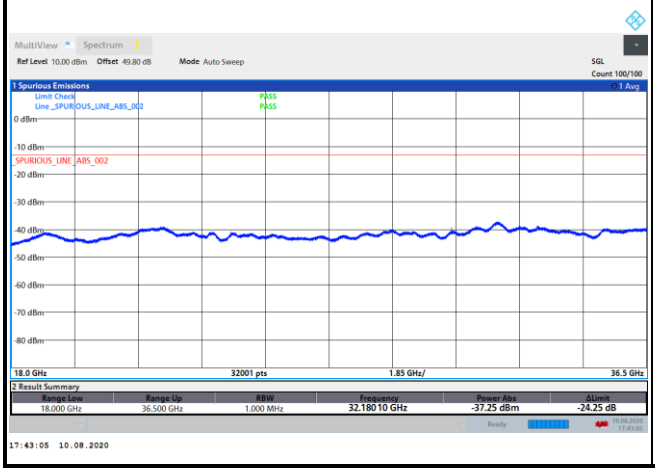
**DFT-s-OFDM Module 0**

| NR Band n260 QPSK (18-36.5GHz) | |
|---|---|
| **Lowest Channel / 200MHz** | |
|  | **intentionally blank** |
| **Middle Channel / 200MHz** | |
|  | **intentionally blank** |
| **Highest Channel / 200MHz** | |
|  | **intentionally blank** |

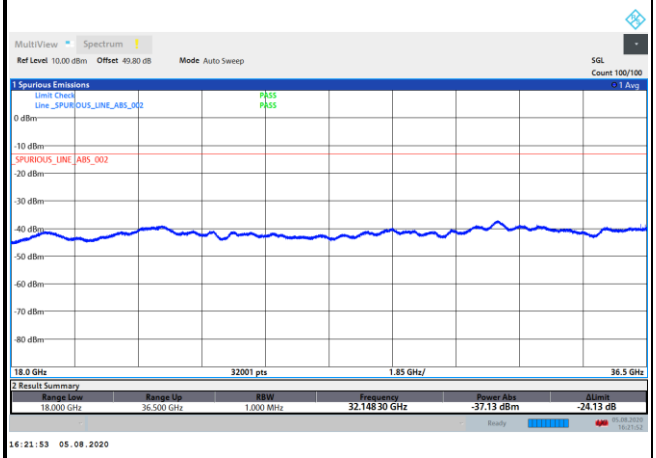
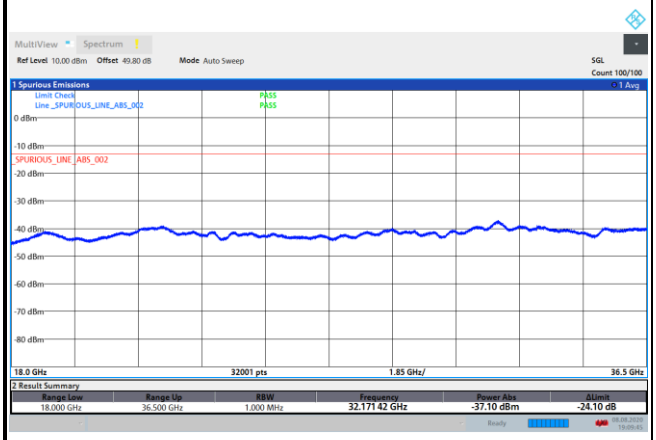
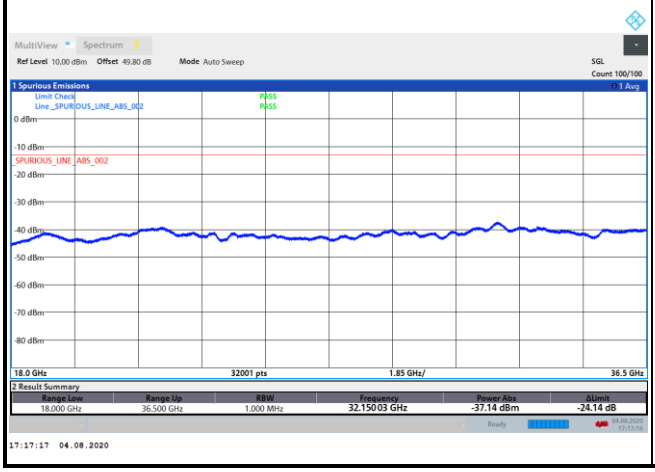
**DFT-s-OFDM Module 1**

| NR Band n260 QPSK (18-36.5GHz) | |
|---|---|
| **Lowest Channel / 200MHz** | |
|  | **intentionally blank** |
| **Middle Channel / 200MHz** | |
|  | **intentionally blank** |
| **Highest Channel / 200MHz** | |
|  | **intentionally blank** |

**CP-OFDM Module 0**

| NR Band n260 QPSK (18-36.5GHz) | |
|---|---|
| **Lowest Channel / 200MHz** | |
|  | **intentionally blank** |
| **Middle Channel / 200MHz** | |
|  | **intentionally blank** |
| **Highest Channel / 200MHz** | |
|  | **intentionally blank** |

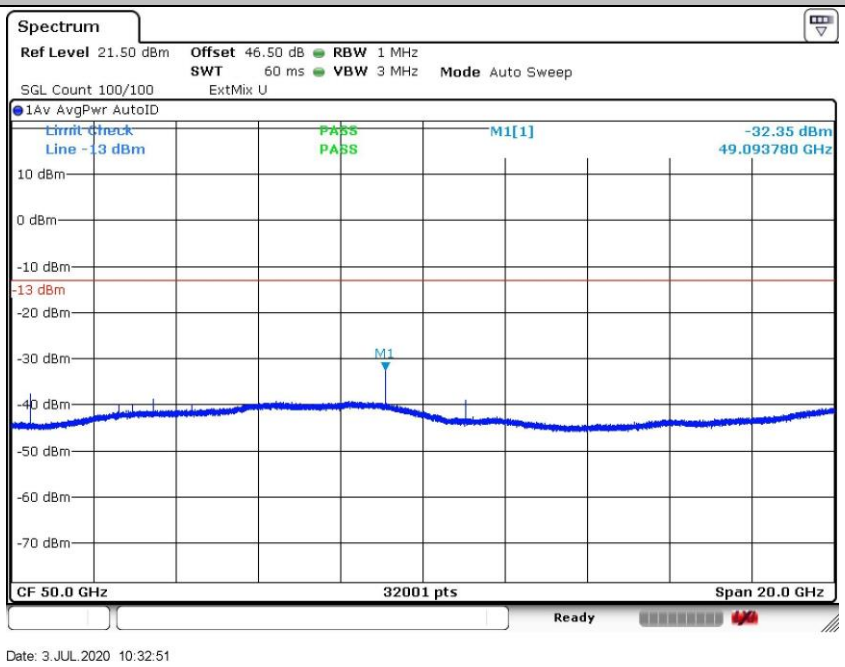
**CP-OFDM Module 1**

| NR Band n260 QPSK (18-36.5GHz) | |
|---|---|
| **Lowest Channel / 200MHz** | |
|  | **intentionally blank** |
| **Middle Channel / 200MHz** | |
|  | **intentionally blank** |
| **Highest Channel / 200MHz** | |
|  | **intentionally blank** |

There is no significant spurious emission signal found for frequency started from 40GHz up to 200GHz.

Only the noise floor is reported.

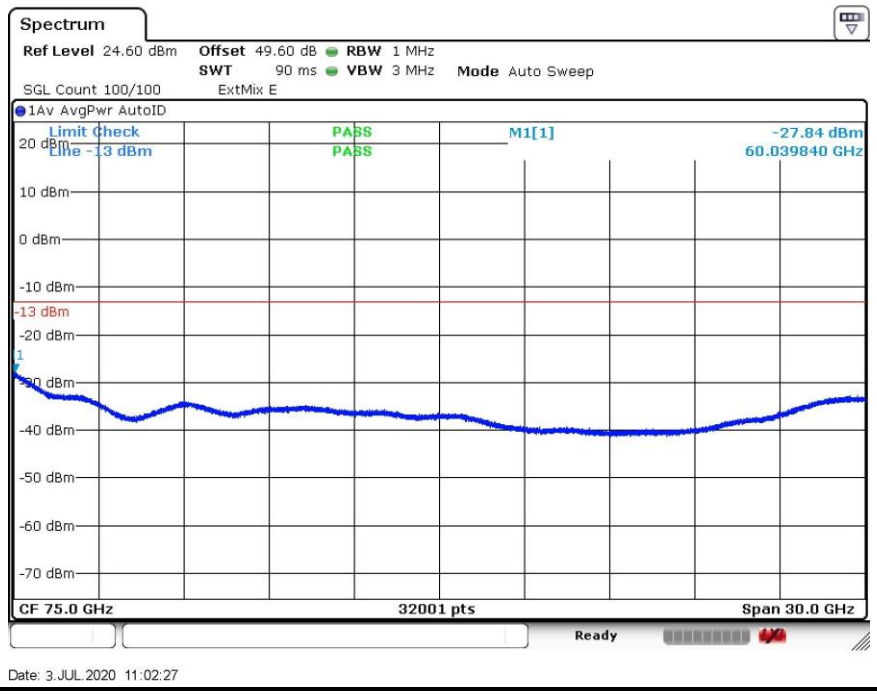
| NR Band n260 |
| --- |
| (40GHz-60GHz) |




*Offset* = Antenna Factor (dB/m) + Cable Loss (dB) + 107 + 20log (D) – 104.8

= 42.1 + 2.2 + 107 + 20log(1) – 104.8 = 46.5 (dB)

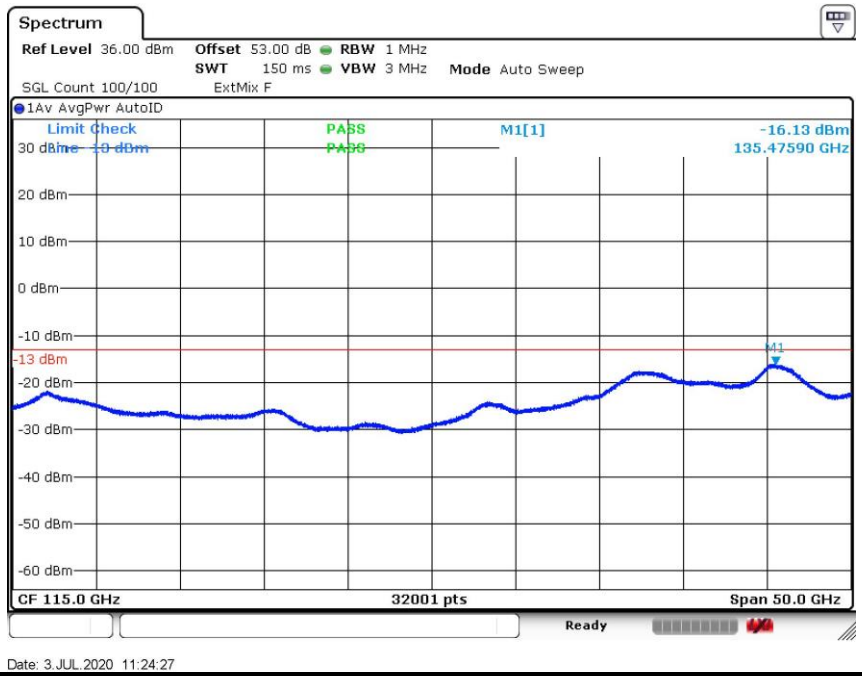
| NR Band n260 |
| --- |
| (60GHz-90GHz) |




*Offset* = Antenna Factor (dB/m) + Cable Loss (dB) + 107 + 20log (D) – 104.8

= 47.2 + 2.2 + 107 + 20log(1) – 104.8 = 49.6 (dB)

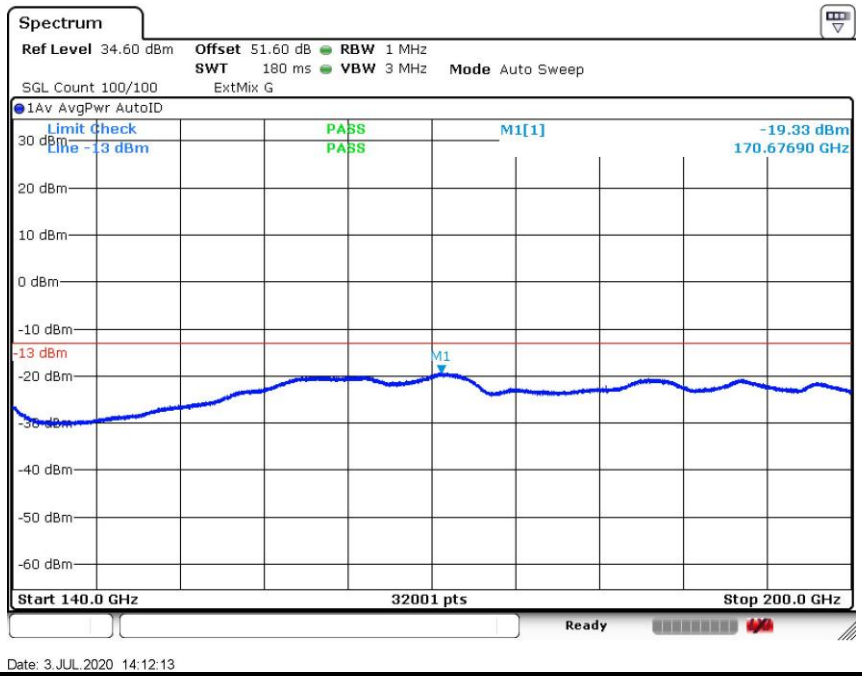
| NR Band n260 |
| --- |
| (90GHz-140GHz) |




*Offset* = Antenna Factor (dB/m) + Cable Loss (dB) + 107 + 20log (D) – 104.8

= 48.8 + 2 + 107 + 20log(1) – 104.8 = 53 (dB)

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




*Offset* = Antenna Factor (dB/m) + Cable Loss (dB) + 107 + 20log (D) – 104.8

= 53.4 + 2 + 107 + 20log(0.5) – 104.8 = 51.6 (dB)

# Frequency Stability

| Test Conditions | | NR Band n260 / Middle Channel | | Limit |
|---|---|---|---|---|
| Temperature (°C) | Voltage (Volt) | 66RB0 | | Note 2. |
| | | Deviation (kHz) | Deviation (ppm) | Result |
| 50 | Normal Voltage | 1.21 | 0.03 | PASS |
| 40 | Normal Voltage | 1.17 | 0.03 | |
| 30 | Normal Voltage | 1.14 | 0.03 | |
| 20(Ref.) | Normal Voltage | 0.00 | 0.00 | |
| 10 | Normal Voltage | 4.04 | 0.11 | |
| 0 | Normal Voltage | 0.05 | 0.00 | |
| -10 | Normal Voltage | 3.00 | 0.08 | |
| -20 | Normal Voltage | 0.52 | 0.01 | |
| -30 | Normal Voltage | 3.14 | 0.08 | |
| 20 | Maximum Voltage | 3.87 | 0.10 | |
| 20 | Normal Voltage | 0.00 | 0.00 | |
| 20 | Battery End Point | 1.31 | 0.03 | |

**Note:**

1. Normal Voltage =3.8 V.；Battery End Point (BEP) =4.45 V.；Maximum Voltage =3.4 V.
2. The frequency fundamental emissions stay within the operation band.
3. The test result at the next page provides confidence that the maximum frequency deviation will not lead to out of band operation during normal and extreme condition.

# NR Band n261 AG0

## Occupied Bandwidth

| Mode | DFT-s-OFDM Module 0 NR Band n261 : 99%OBW(MHz) | | | | | |
|---|---|---|---|---|---|---|
| BW | 50MHz | | | 100MHz | | |
| Mod. | QPSK | 16QAM | 64QAM | QPSK | 16QAM | 64QAM |
| Lowest CH | 45.18 | 45.36 | 45.28 | 90.20 | 90.60 | 90.80 |
| Middle CH | 45.34 | 45.52 | 45.10 | 90.88 | 90.84 | 90.72 |
| Highest CH | 45.14 | 45.20 | 45.16 | 90.60 | 90.36 | 90.48 |

| Mode | DFT-s-OFDM Module 1 NR Band n261 : 99%OBW(MHz) | | | | | |
|---|---|---|---|---|---|---|
| BW | 50MHz | | | 100MHz | | |
| Mod. | QPSK | 16QAM | 64QAM | QPSK | 16QAM | 64QAM |
| Lowest CH | 45.38 | 45.14 | 44.98 | 90.68 | 90.72 | 90.28 |
| Middle CH | 45.46 | 45.32 | 45.10 | 90.64 | 90.76 | 90.28 |
| Highest CH | 45.16 | 45.44 | 45.32 | 90.48 | 90.64 | 90.64 |

| Mode | CP-OFDM Module 0 NR Band n261 : 99%OBW(MHz) | | | | | |
|---|---|---|---|---|---|---|
| BW | 50MHz | | | 100MHz | | |
| Mod. | QPSK | 16QAM | 64QAM | QPSK | 16QAM | 64QAM |
| Lowest CH | 45.40 | 45.28 | 45.24 | 93.00 | 93.20 | 93.16 |
| Middle CH | 45.46 | 45.54 | 45.44 | 93.20 | 93.16 | 93.20 |
| Highest CH | 45.30 | 45.50 | 45.16 | 90.40 | 90.20 | 90.40 |

| Mode | CP-OFDM Module 1 NR Band n261 : 99%OBW(MHz) | | | | | |
|---|---|---|---|---|---|---|
| BW | 50MHz | | | 100MHz | | |
| Mod. | QPSK | 16QAM | 64QAM | QPSK | 16QAM | 64QAM |
| Lowest CH | 45.16 | 45.28 | 45.30 | 93.08 | 93.04 | 93.00 |
| Middle CH | 45.36 | 45.46 | 45.42 | 93.08 | 92.92 | 92.96 |
| Highest CH | 45.26 | 45.50 | 45.34 | 92.88 | 92.72 | 92.92 |

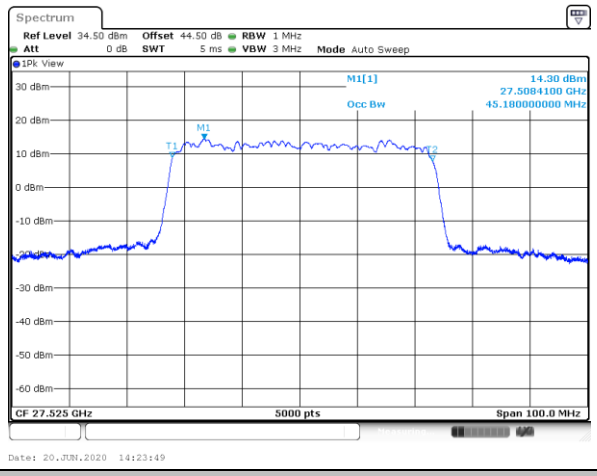
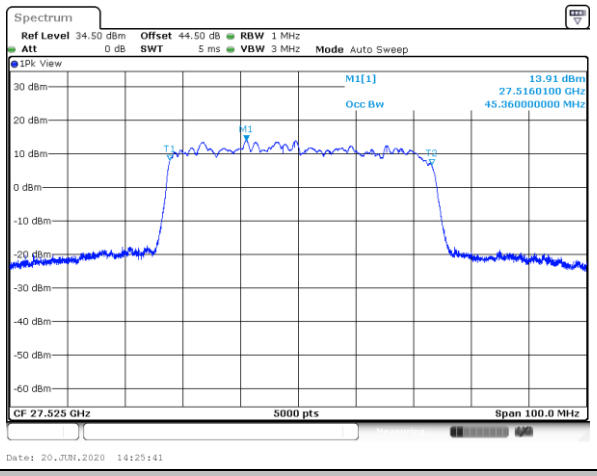
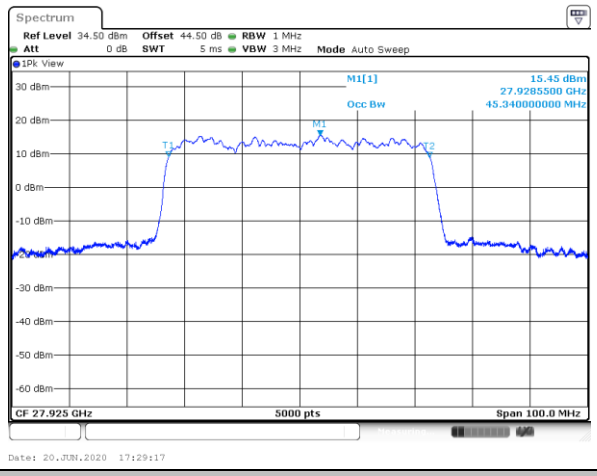
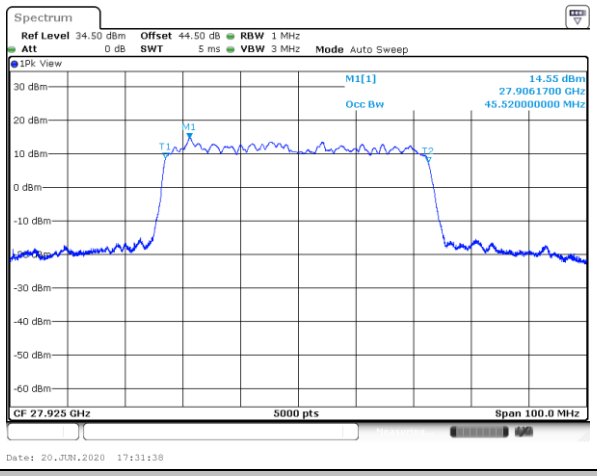
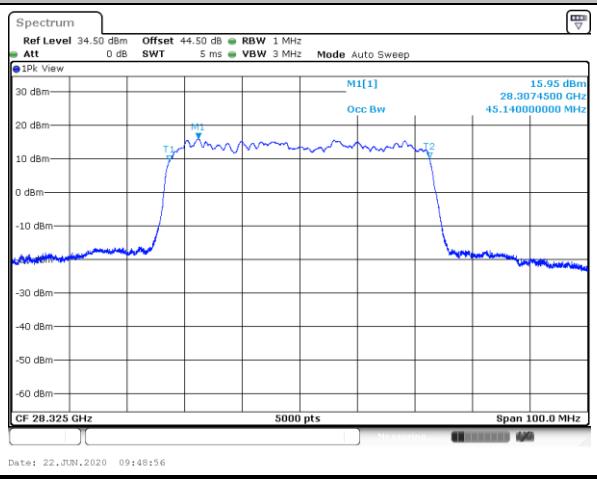
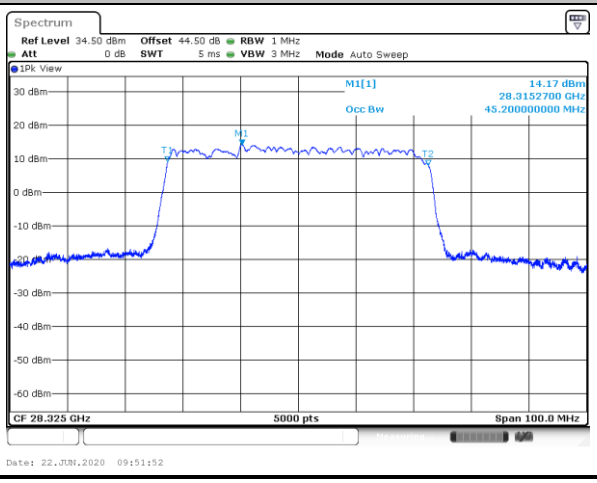
| Mode | DFT-s-OFDM Module 0 NR Band n261 : 99%OBW(MHz) | | |
|---|---|---|---|
| BW | 200MHz | | |
| Mod. | QPSK | 16QAM | 64QAM |
| Lowest CH | 187.84 | 185.84 | 186.24 |
| Middle CH | 188.88 | 188.48 | 186.00 |
| Highest CH | 186.48 | 183.04 | 184.48 |

| Mode | DFT-s-OFDM Module 1 NR Band n261 : 99%OBW(MHz) | | |
|---|---|---|---|
| BW | 200MHz | | |
| Mod. | QPSK | 16QAM | 64QAM |
| Lowest CH | 187.44 | 184.56 | 185.68 |
| Middle CH | 189.04 | 188.64 | 186.40 |
| Highest CH | 186.56 | 188.00 | 184.16 |

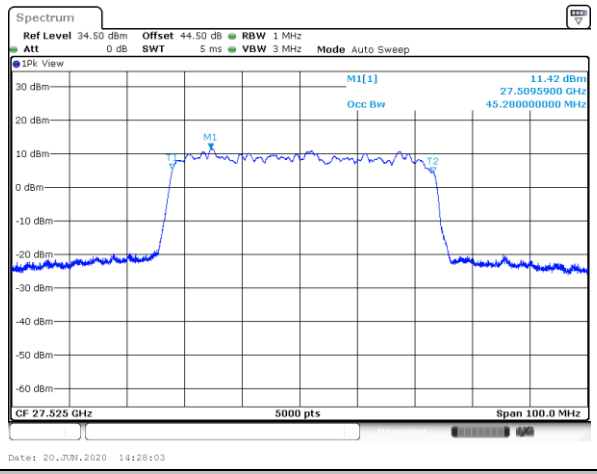
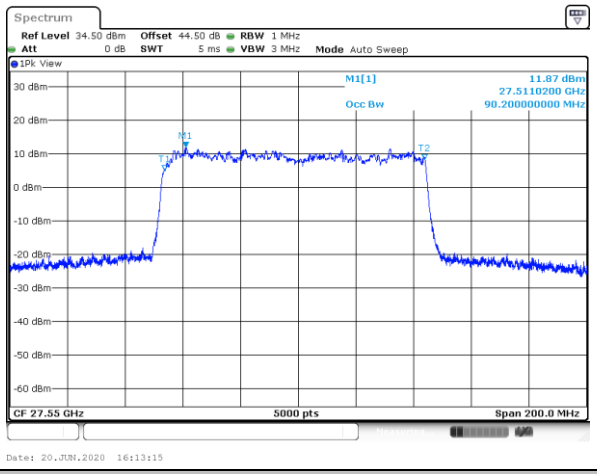
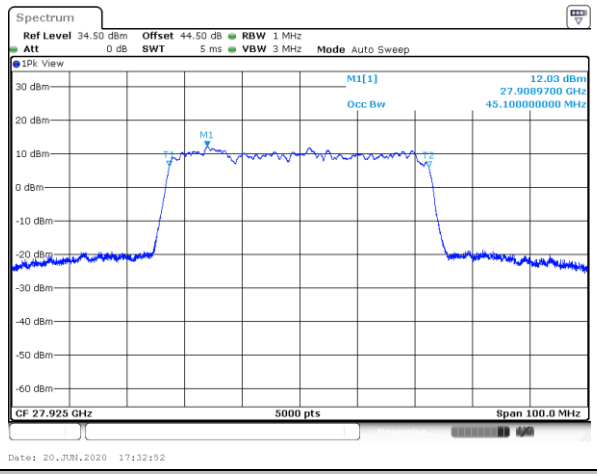
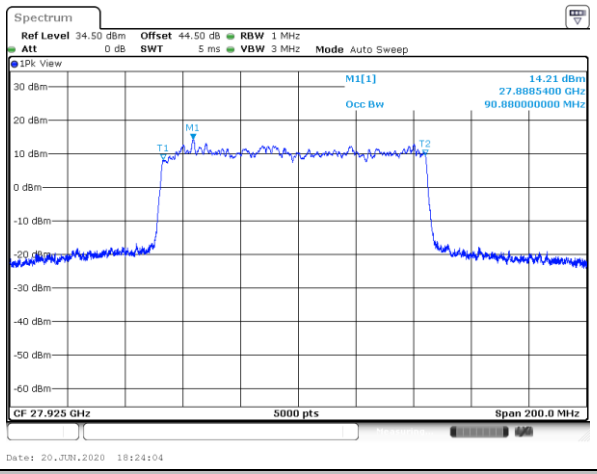
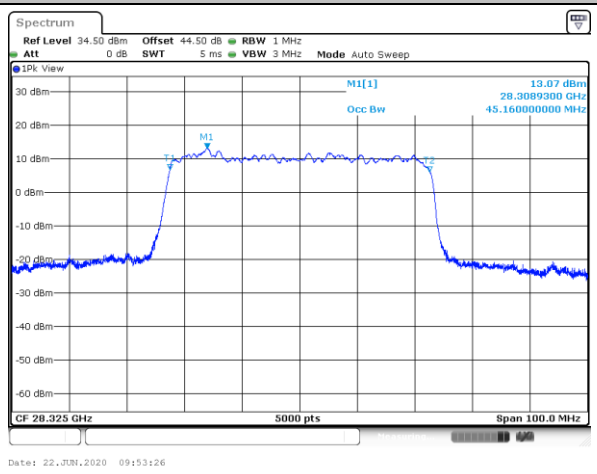
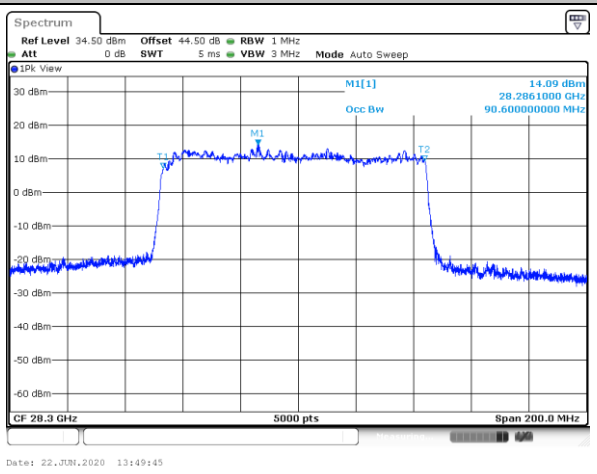
| Mode | CP-OFDM Module 0 NR Band n261 : 99%OBW(MHz) | | |
|---|---|---|---|
| BW | 200MHz | | |
| Mod. | QPSK | 16QAM | 64QAM |
| Lowest CH | 190.80 | 188.00 | 191.12 |
| Middle CH | 190.96 | 188.16 | 190.72 |
| Highest CH | 189.92 | 185.76 | 189.36 |

| Mode | CP-OFDM Module 1 NR Band n261 : 99%OBW(MHz) | | |
|---|---|---|---|
| BW | 200MHz | | |
| Mod. | QPSK | 16QAM | 64QAM |
| Lowest CH | 190.24 | 186.96 | 189.68 |
| Middle CH | 190.96 | 187.92 | 190.48 |
| Highest CH | 189.60 | 185.12 | 188.88 |

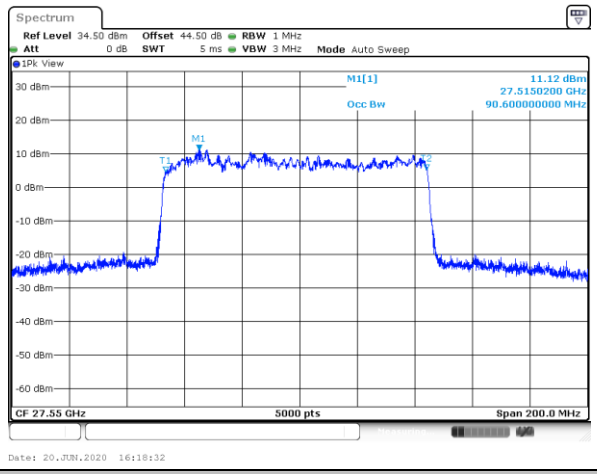
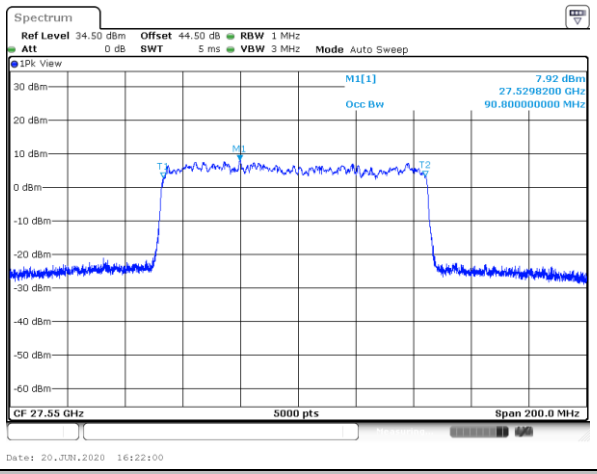
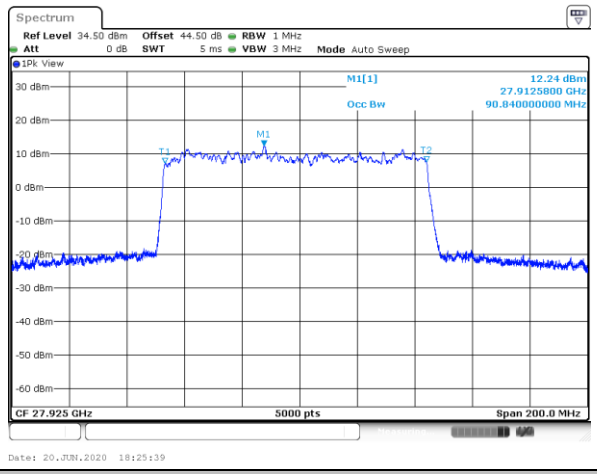
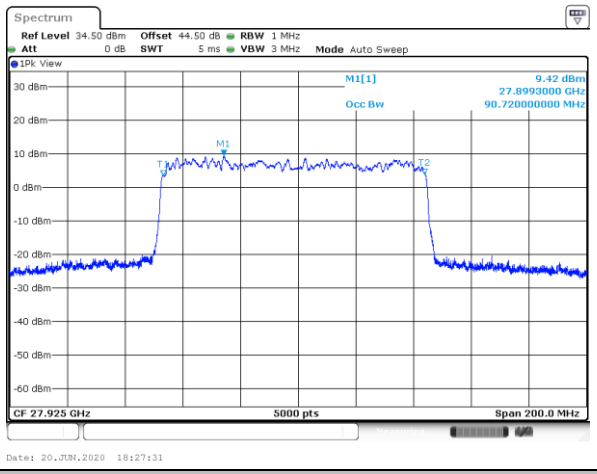
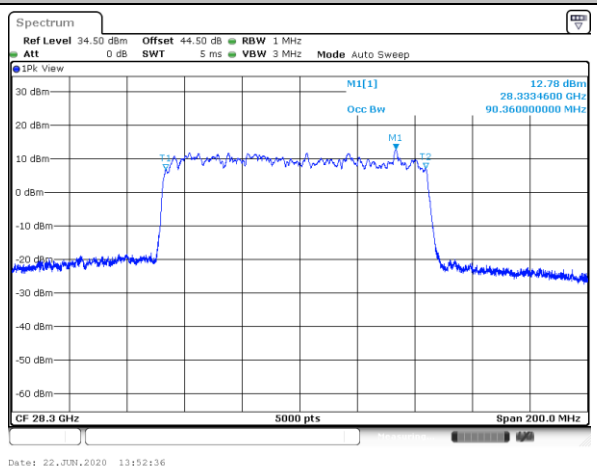
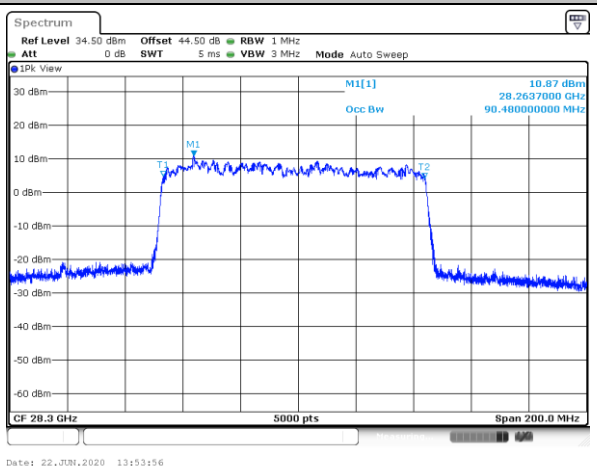
**DFT-s-OFDM Module 0**

| 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** |
|  |  |

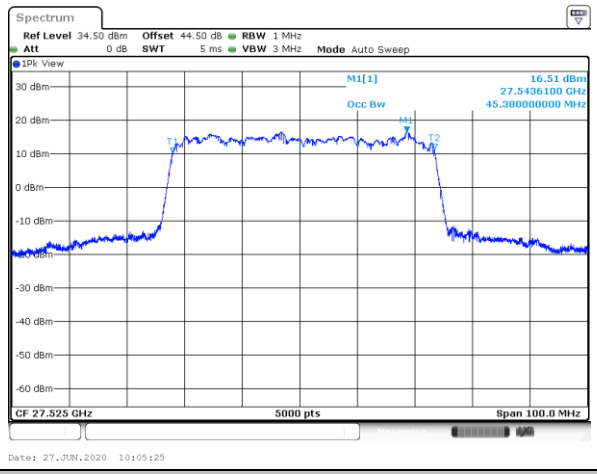
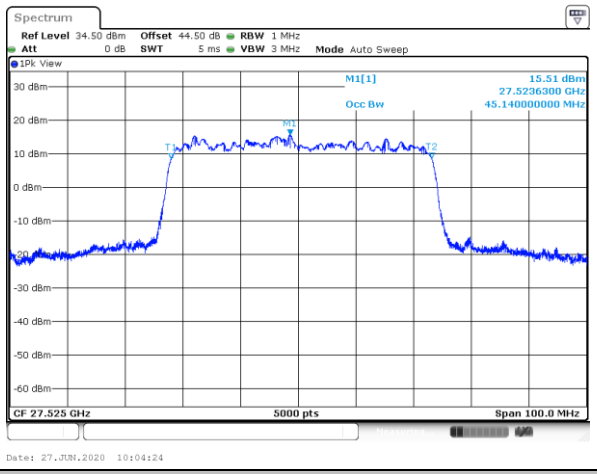
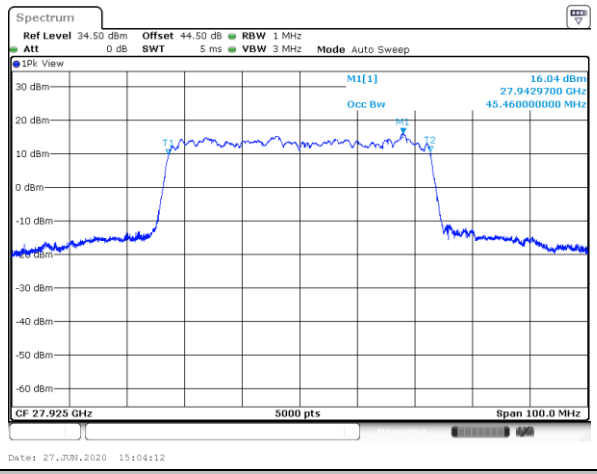
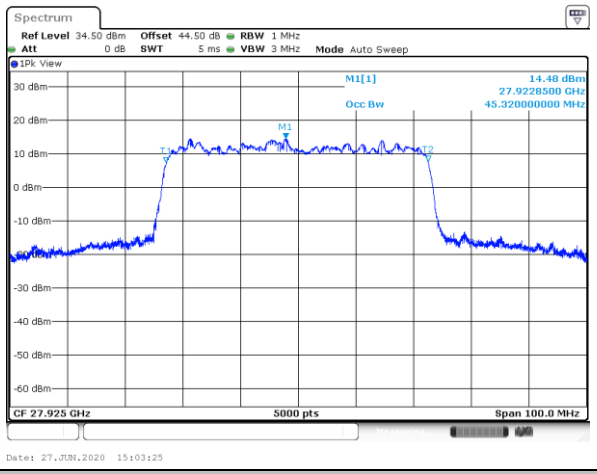
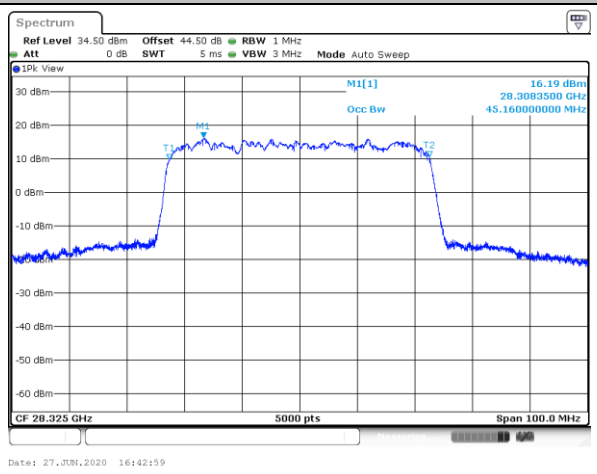
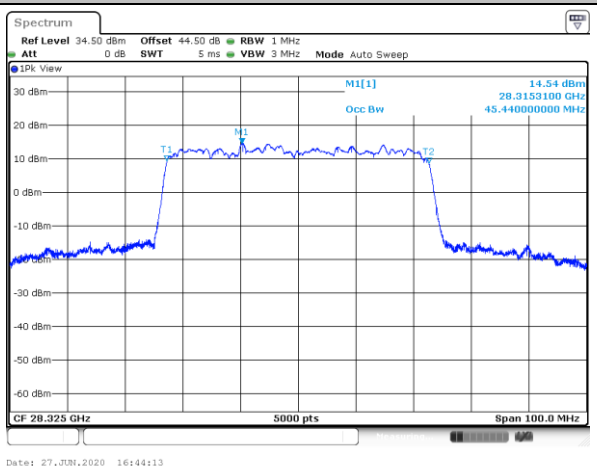
**DFT-s-OFDM Module 0**

| 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** |
|  |  |

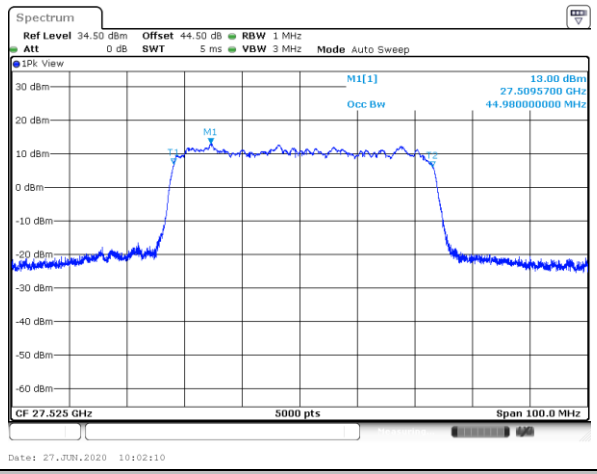
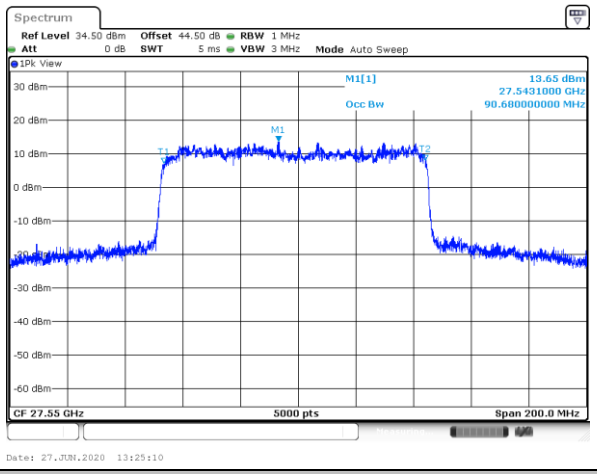
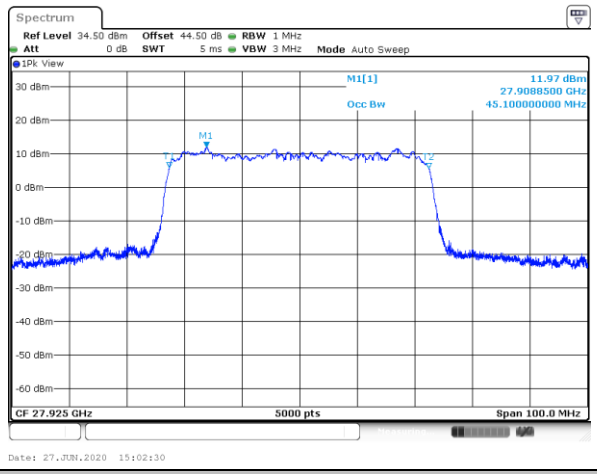
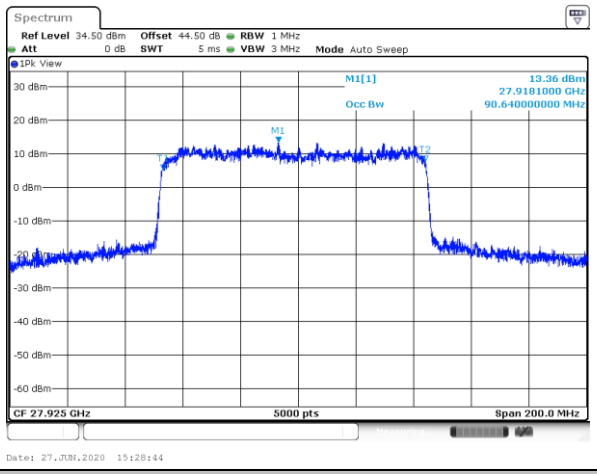
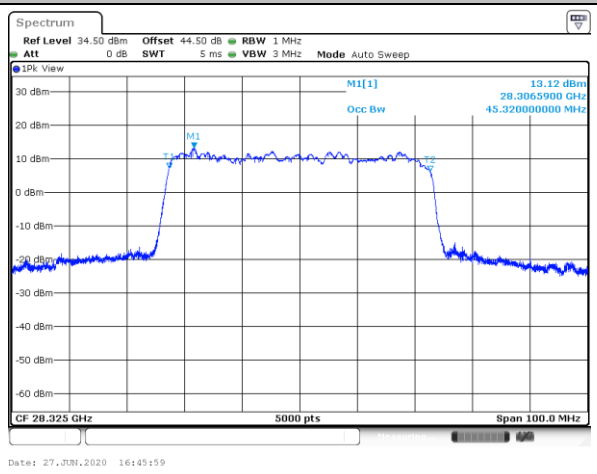
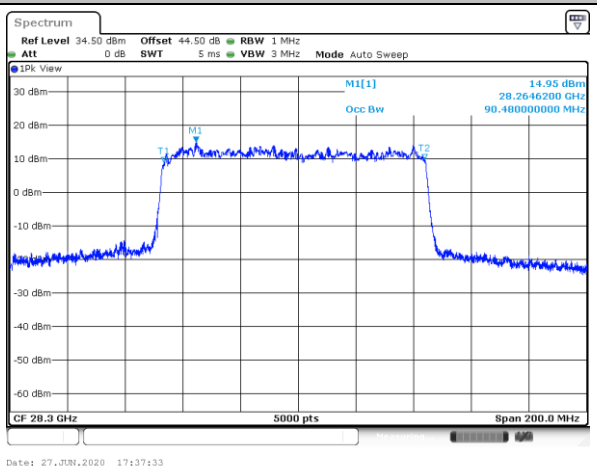
**DFT-s-OFDM Module 0**

| 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** |
|  |  |

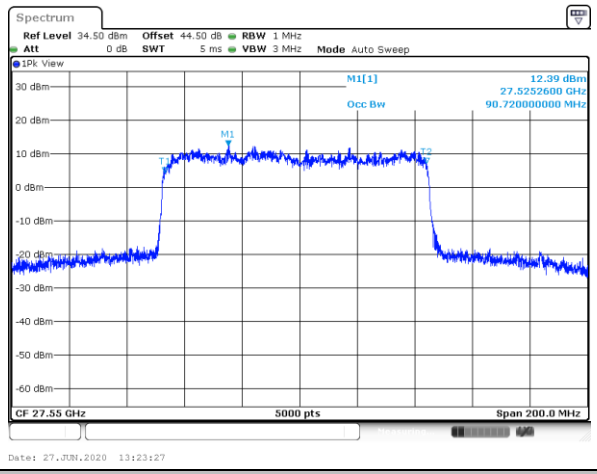
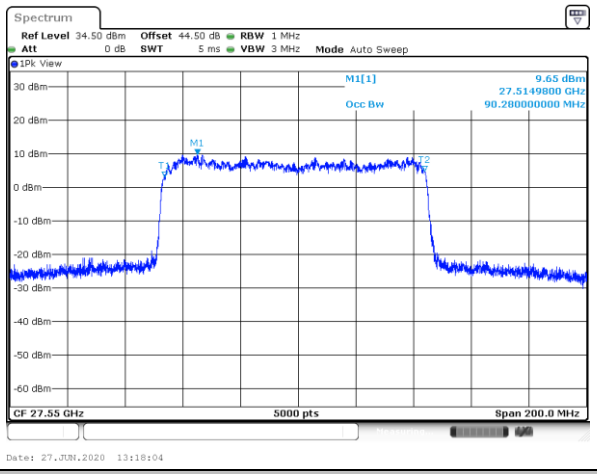
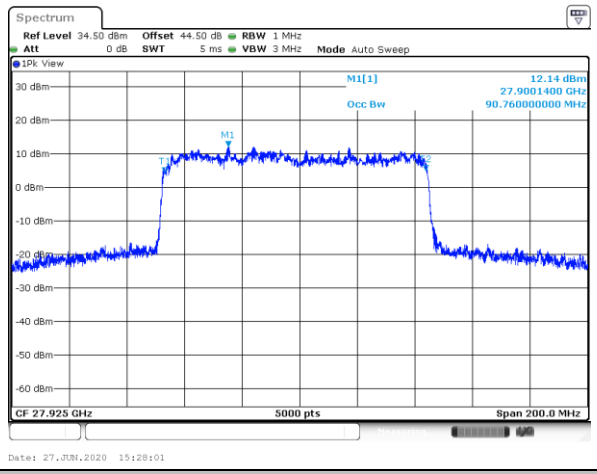
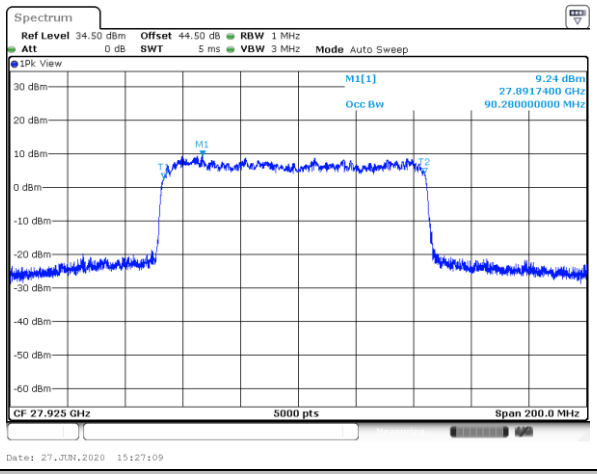
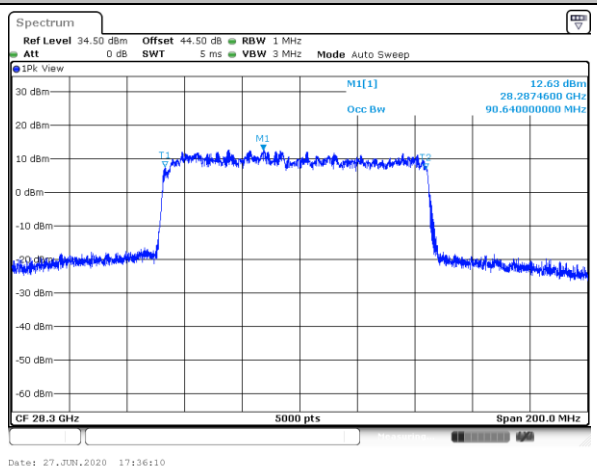
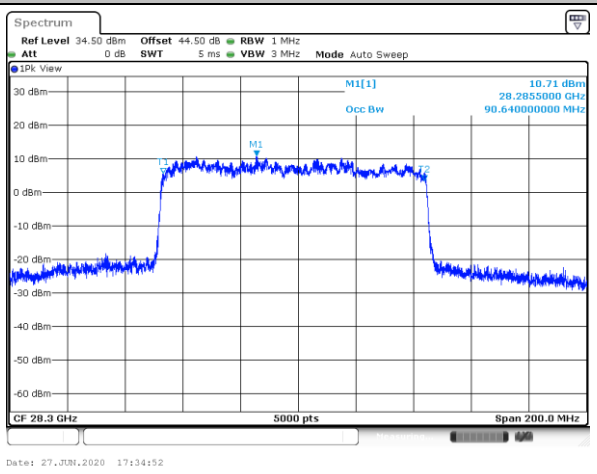
**DFT-s-OFDM Module 1**

| NR Band n261 | |
|---|---|
| **Lowest Channel / 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** |
|  |  |