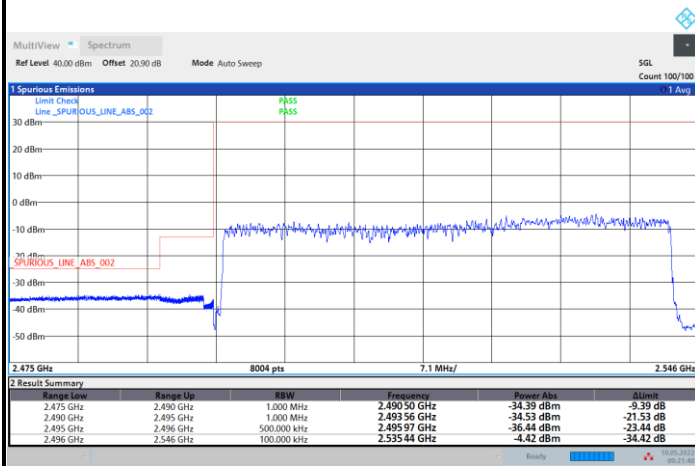


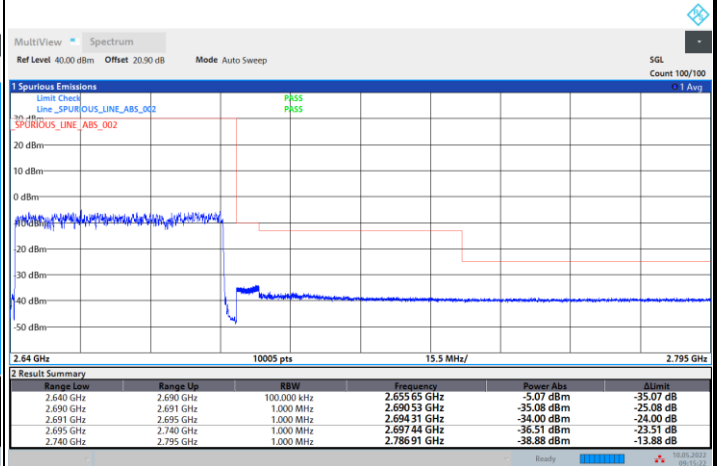


## FR1 n41 / 50MHz / DFT-S OFDM / 256QAM / Full RB

## Lowest Band Edge

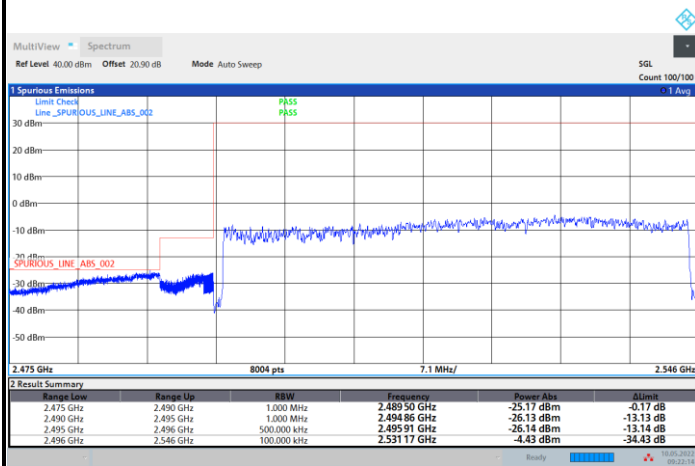


## Highest Band Edge

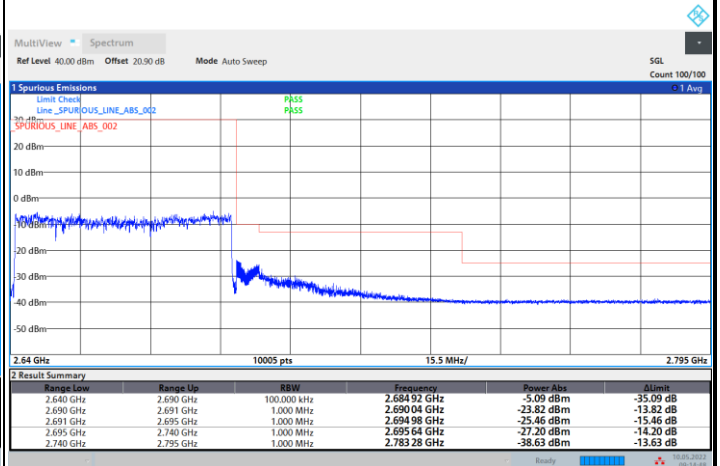


## FR1 n41 / 50MHz / CP OFDM / QPSK / Full RB

## Lowest Band Edge



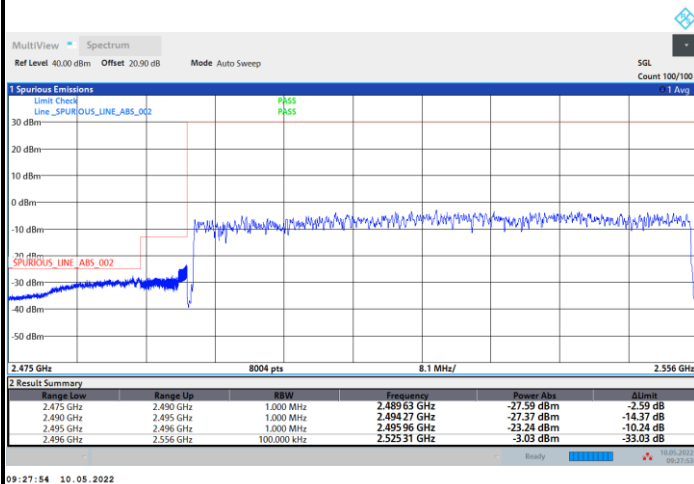
## Highest Band Edge





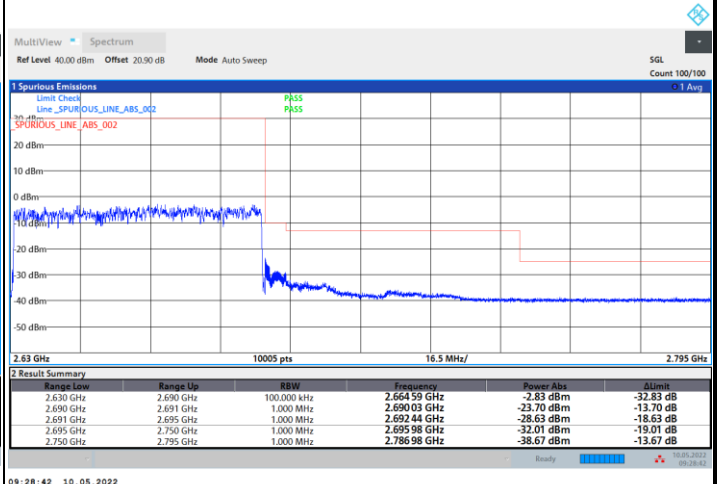
## FR1 n41 / 60MHz / DFT-S OFDM / PI/2 BPSK / Full RB

## Lowest Band Edge



09:27:54 10.05.2022

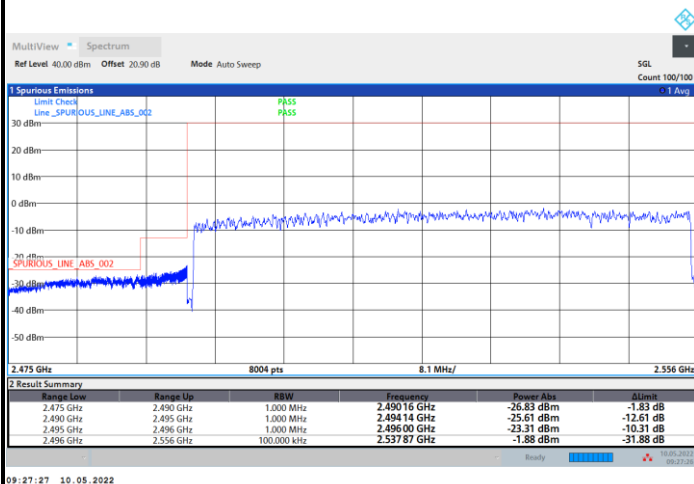
## Highest Band Edge



09:28:42 10.05.2022

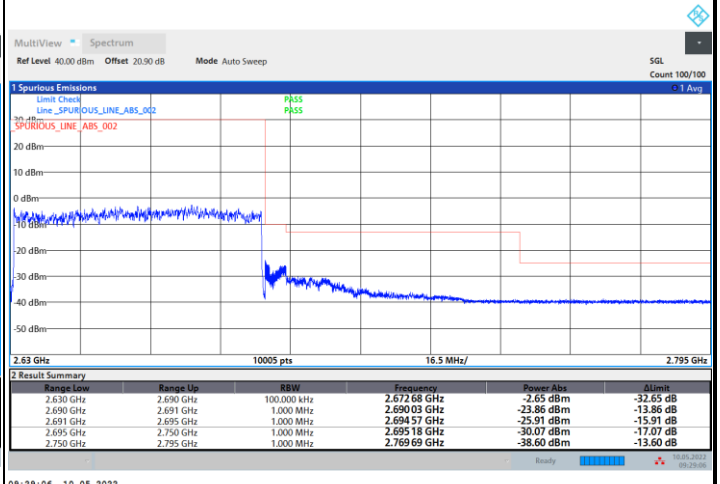
## FR1 n41 / 60MHz / DFT-S OFDM / QPSK / Full RB

## Lowest Band Edge



09:27:27 10.05.2022

## Highest Band Edge

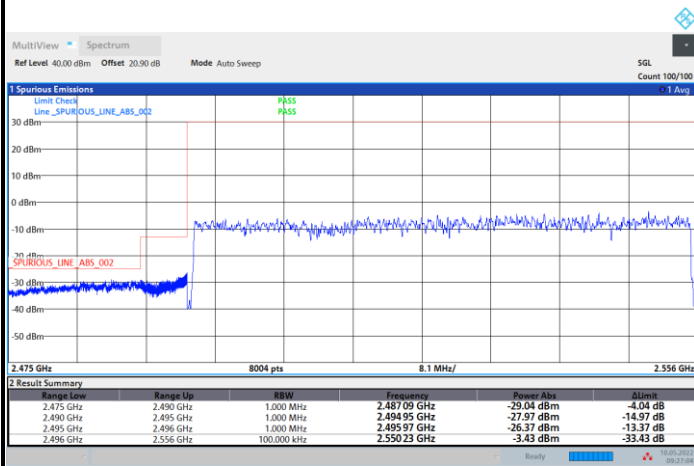


09:29:06 10.05.2022

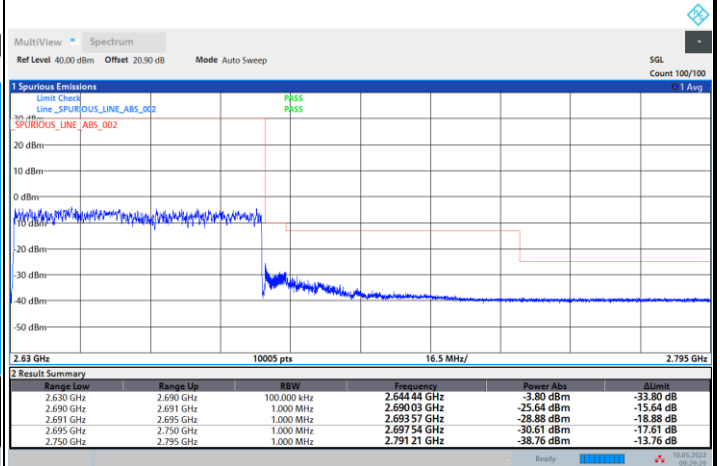


## FR1 n41 / 60MHz / DFT-S OFDM / 16QAM / Full RB

## Lowest Band Edge

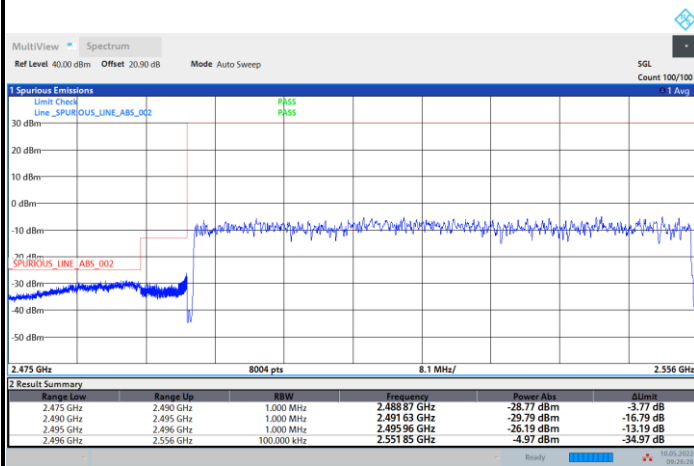


## Highest Band Edge

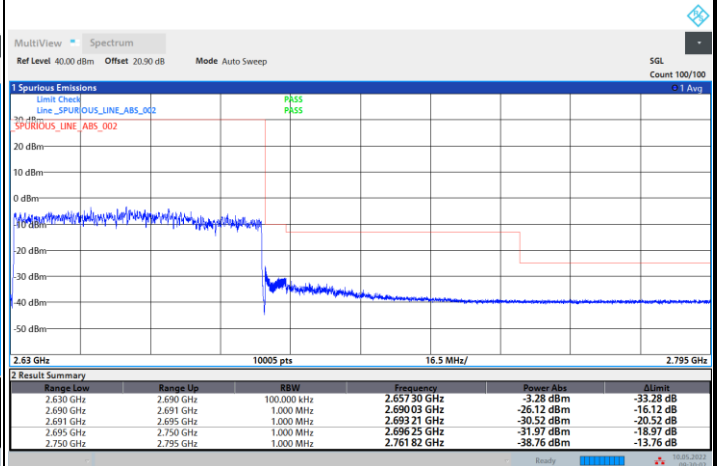


## FR1 n41 / 60MHz / DFT-S OFDM / 64QAM / Full RB

## Lowest Band Edge



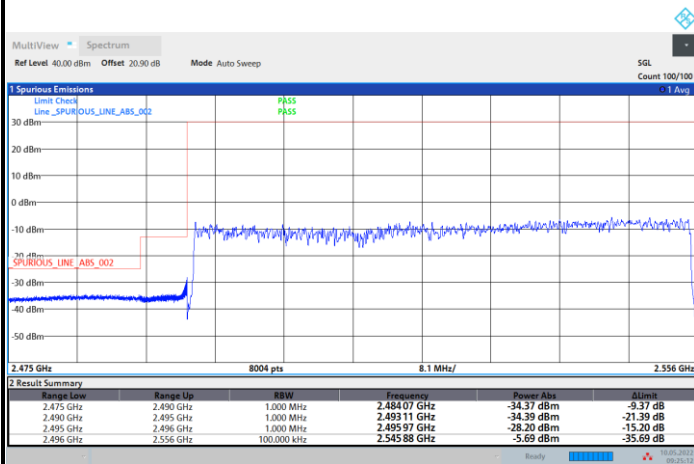
## Highest Band Edge



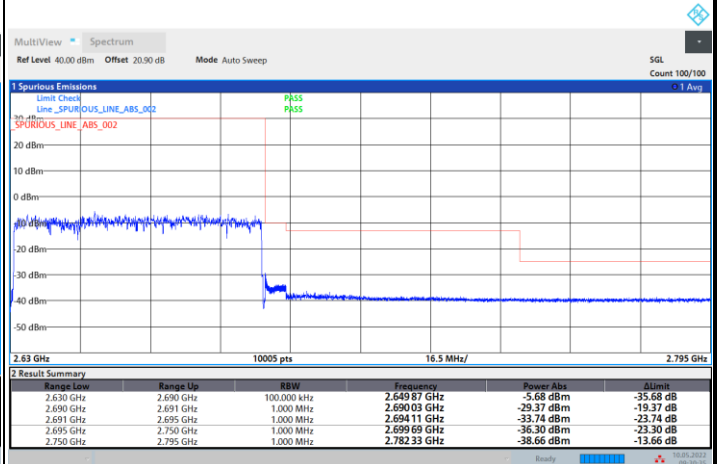


## FR1 n41 / 60MHz / DFT-S OFDM / 256QAM / Full RB

## Lowest Band Edge

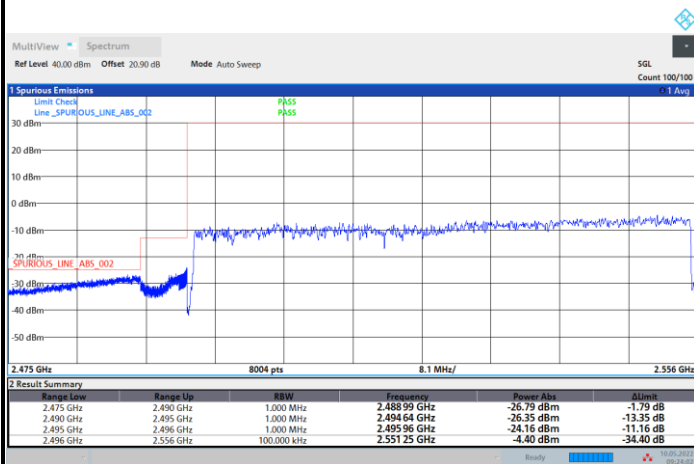


## Highest Band Edge

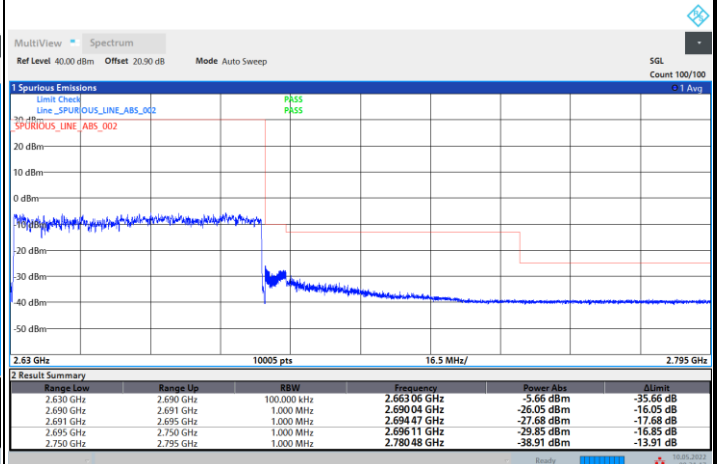


## FR1 n41 / 60MHz / CP OFDM / QPSK / Full RB

## Lowest Band Edge



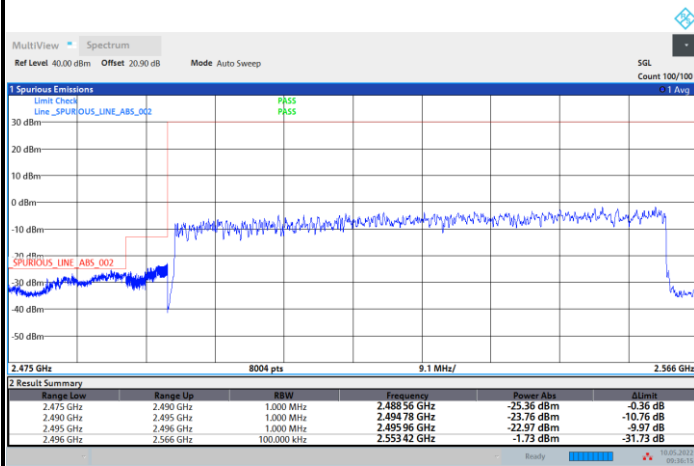
## Highest Band Edge





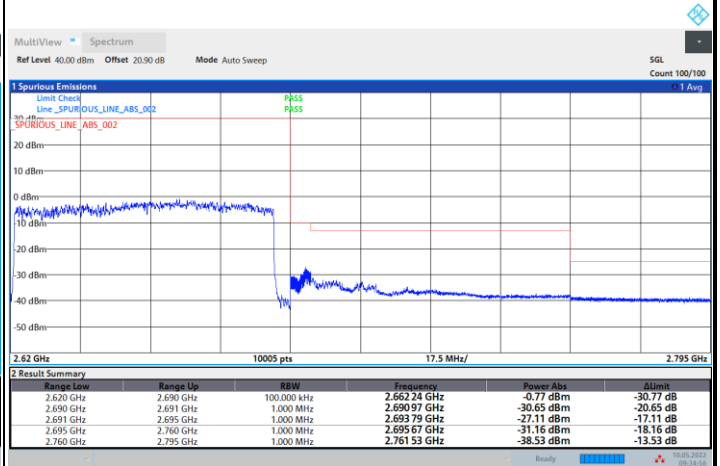
## FR1 n41 / 70MHz / DFT-S OFDM / PI/2 BPSK / Full RB

## Lowest Band Edge



09:36:15 10.05.2022

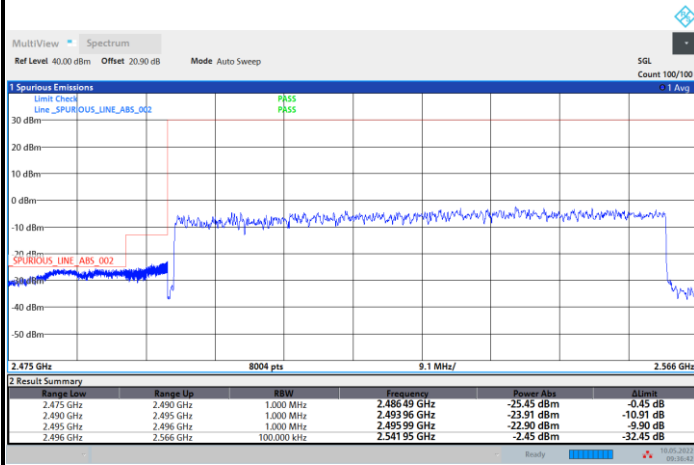
## Highest Band Edge



09:34:56 10.05.2022

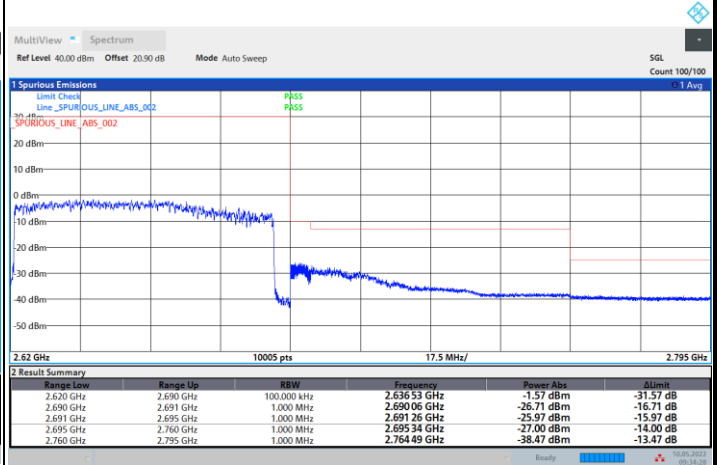
## FR1 n41 / 70MHz / DFT-S OFDM / QPSK / Full RB

## Lowest Band Edge



09:36:42 10.05.2022

## Highest Band Edge

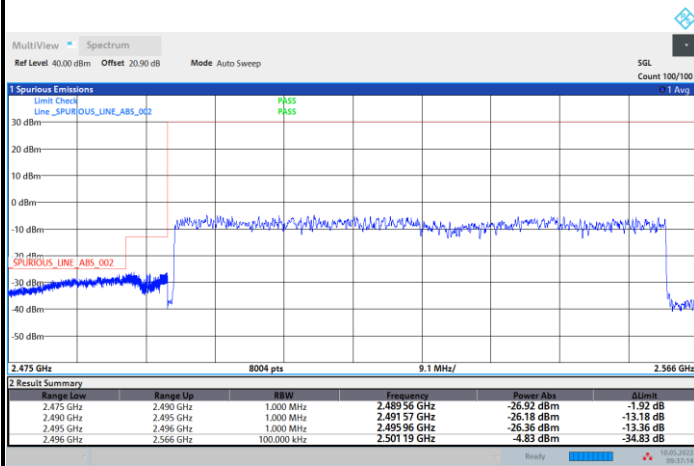


09:34:28 10.05.2022



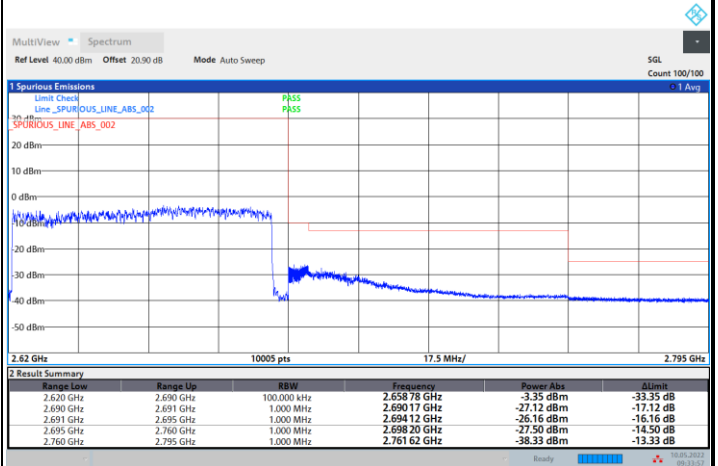
## FR1 n41 / 70MHz / DFT-S OFDM / 16QAM / Full RB

## Lowest Band Edge



09:37:15 10.05.2022

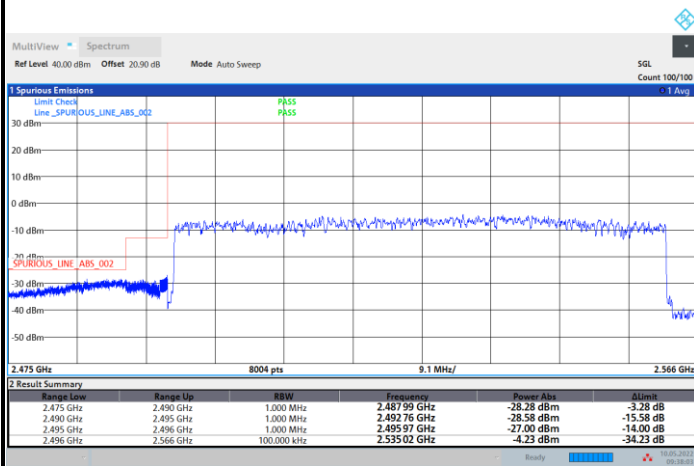
## Highest Band Edge



09:33:58 10.05.2022

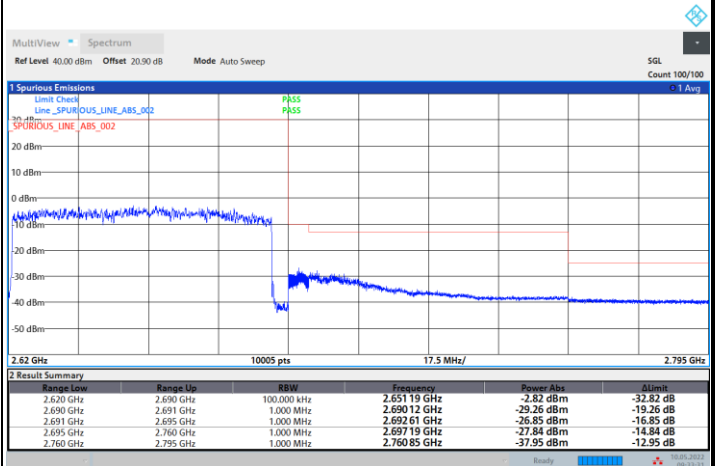
## FR1 n41 / 70MHz / DFT-S OFDM / 64QAM / Full RB

## Lowest Band Edge



09:38:03 10.05.2022

## Highest Band Edge

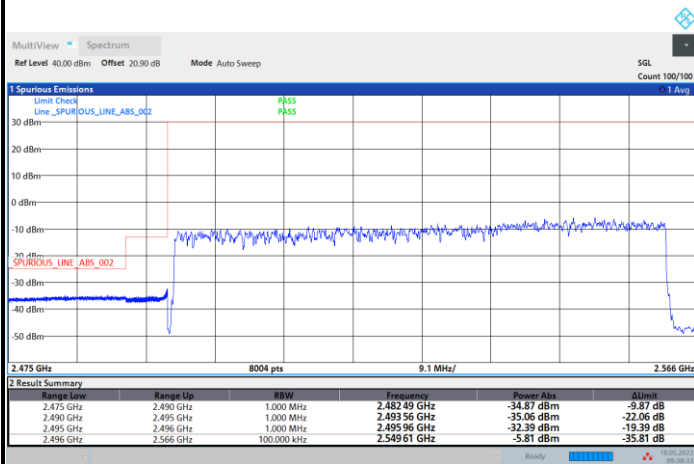


09:33:32 10.05.2022



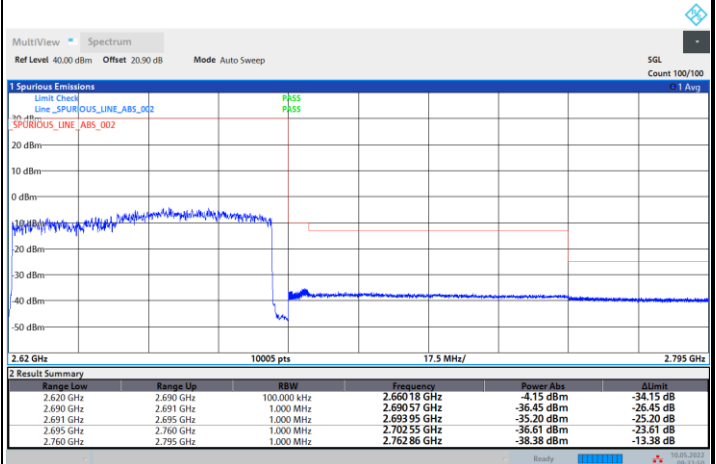
## FR1 n41 / 70MHz / DFT-S OFDM / 256QAM / Full RB

## Lowest Band Edge



09:38:33 10.05.2022

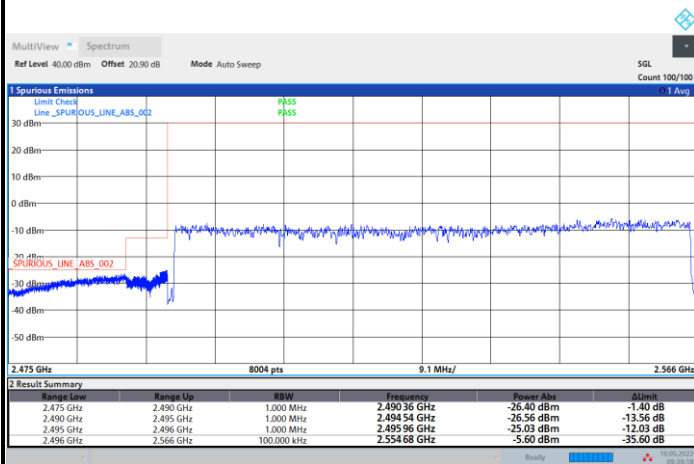
## Highest Band Edge



09:32:51 10.05.2022

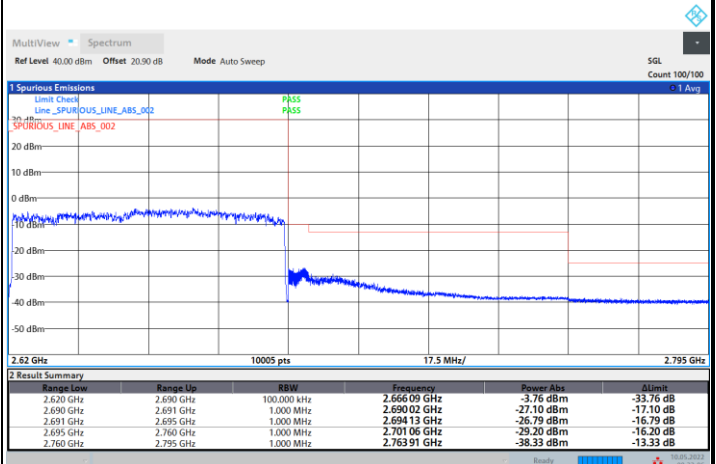
## FR1 n41 / 70MHz / CP OFDM / QPSK / Full RB

## Lowest Band Edge



09:39:18 10.05.2022

## Highest Band Edge

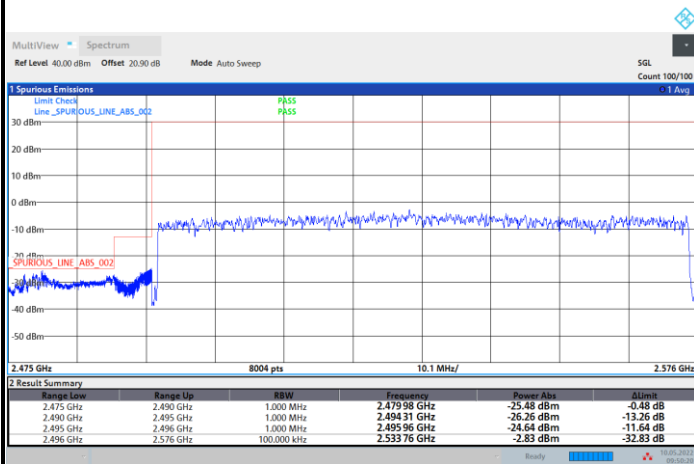


09:32:07 10.05.2022

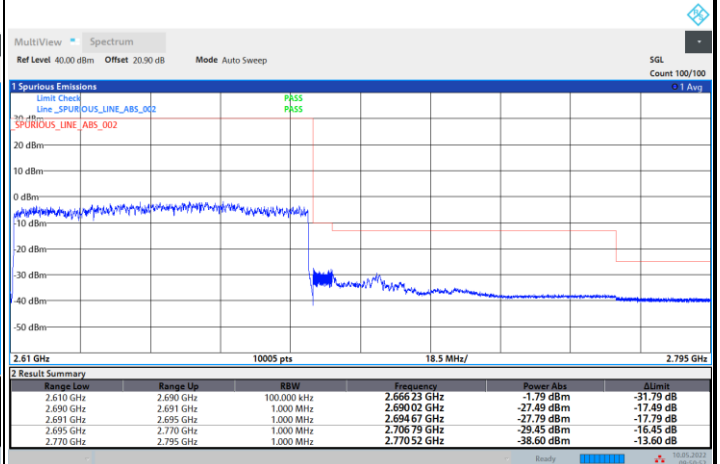


## FR1 n41 / 80MHz / DFT-S OFDM / PI/2 BPSK / Full RB

## Lowest Band Edge

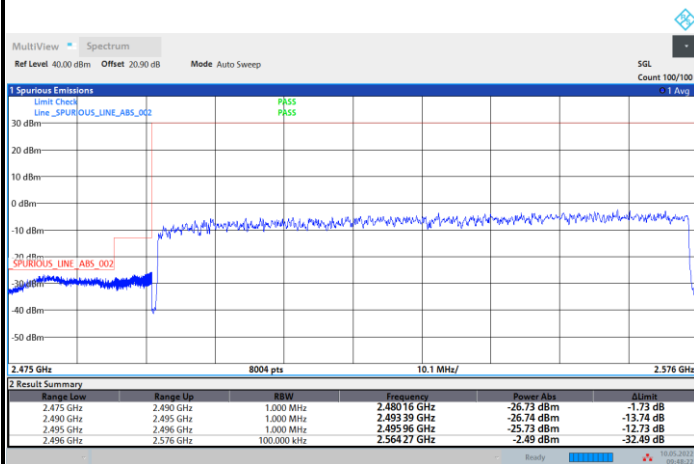


## Highest Band Edge

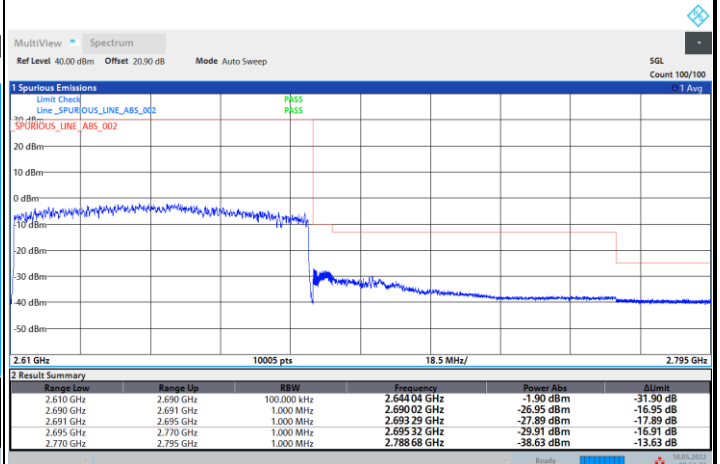


## FR1 n41 / 80MHz / DFT-S OFDM / QPSK / Full RB

## Lowest Band Edge



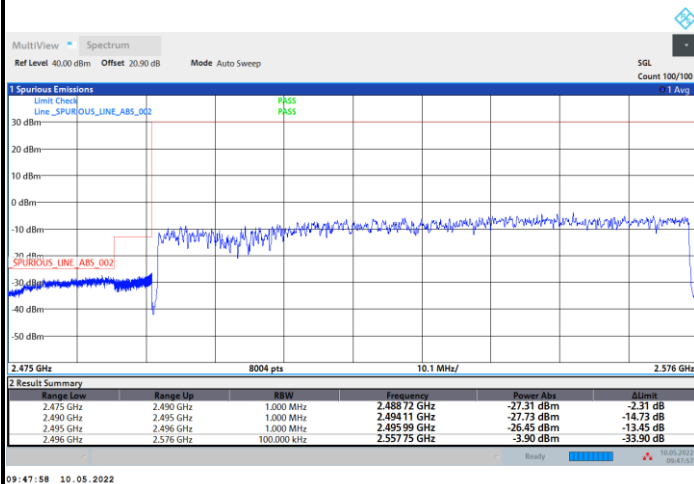
## Highest Band Edge



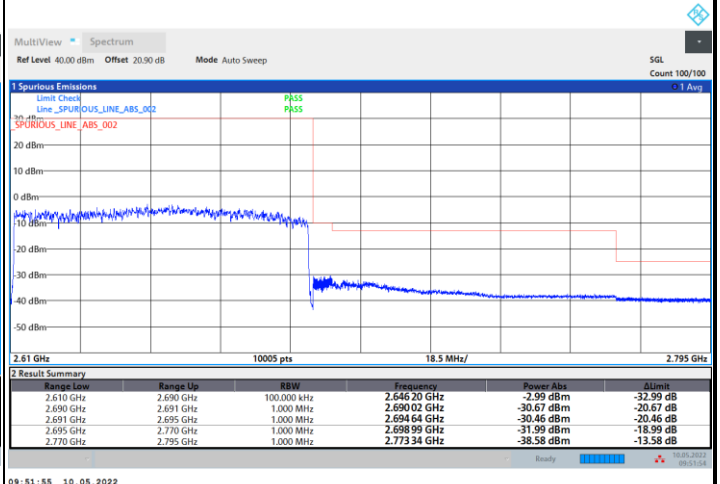


## FR1 n41 / 80MHz / DFT-S OFDM / 16QAM / Full RB

## Lowest Band Edge

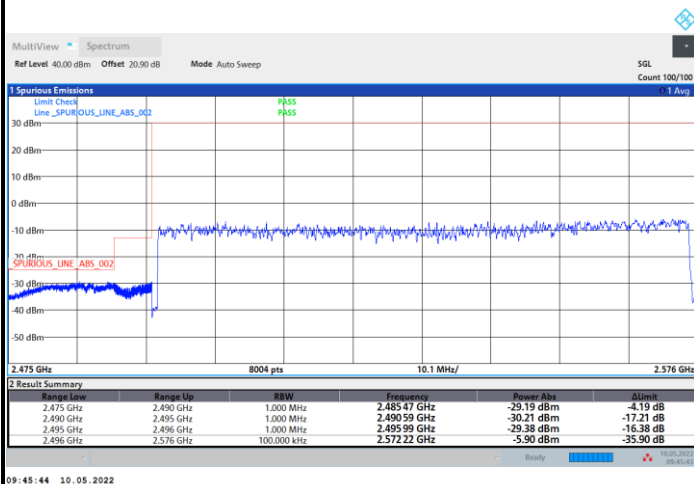


## Highest Band Edge

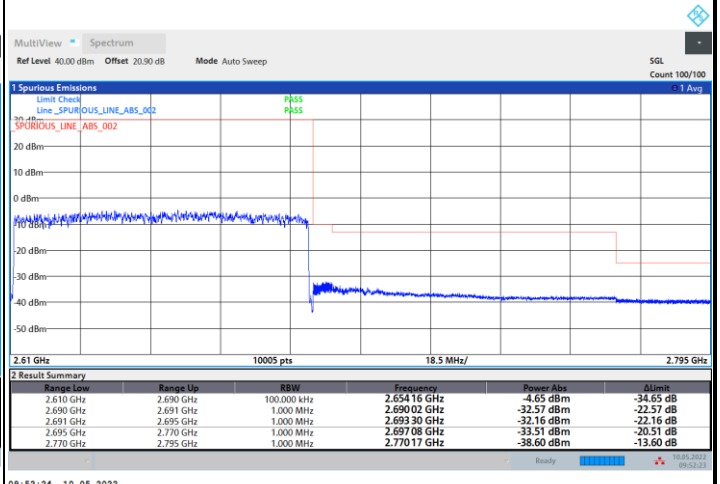


## FR1 n41 / 80MHz / DFT-S OFDM / 64QAM / Full RB

## Lowest Band Edge



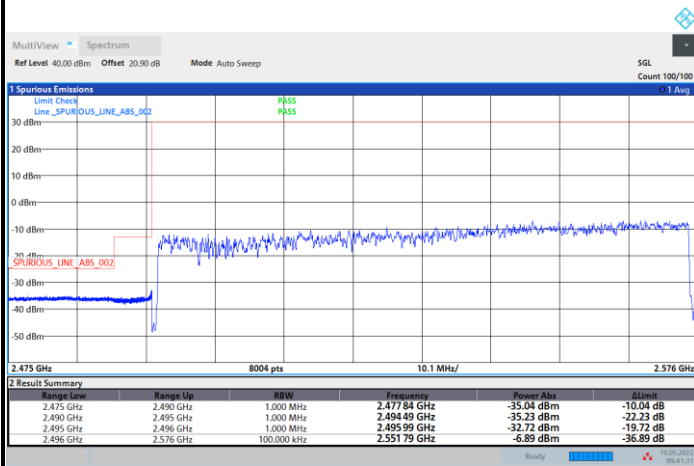
## Highest Band Edge





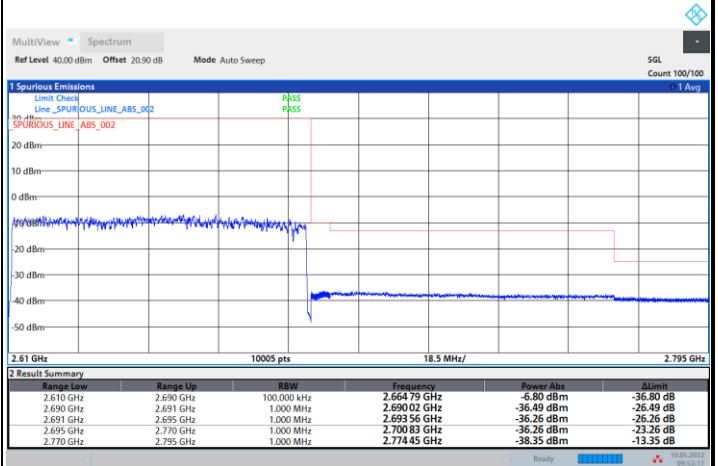
## FR1 n41 / 80MHz / DFT-S OFDM / 256QAM / Full RB

## Lowest Band Edge



09:41:32 10.05.2022

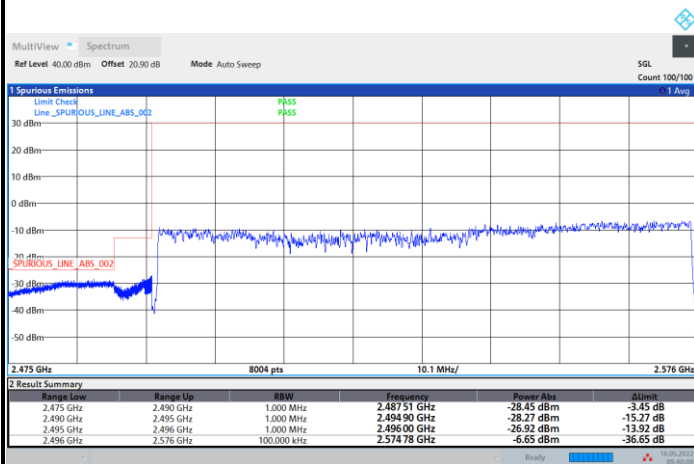
## Highest Band Edge



09:43:18 10.05.2022

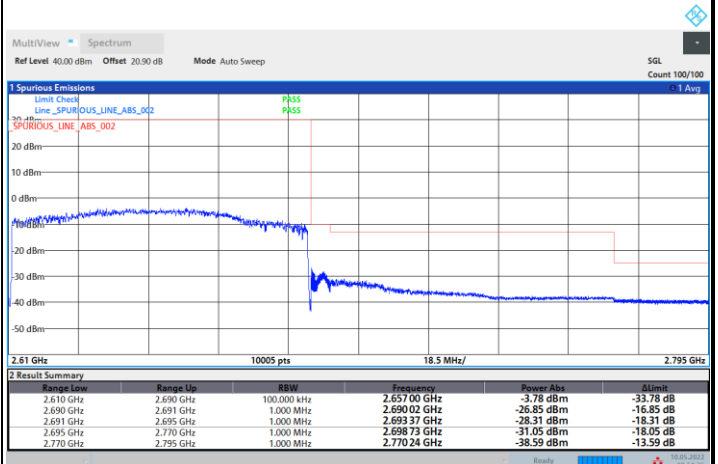
## FR1 n41 / 80MHz / CP OFDM / QPSK / Full RB

## Lowest Band Edge



09:40:01 10.05.2022

## Highest Band Edge

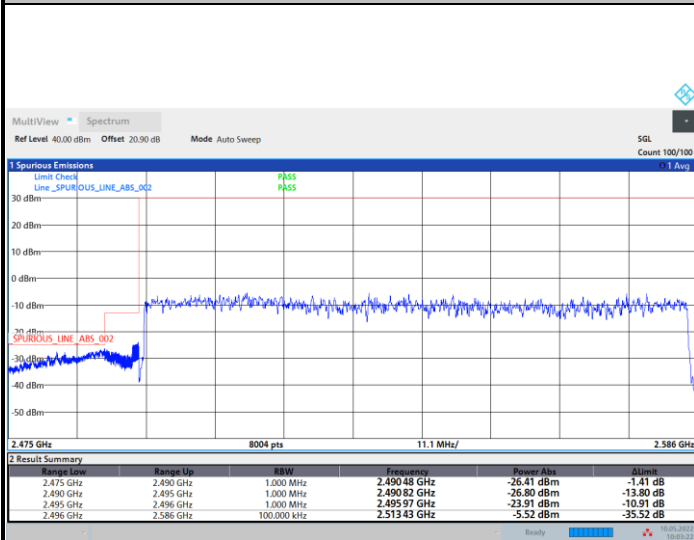


09:54:26 10.05.2022



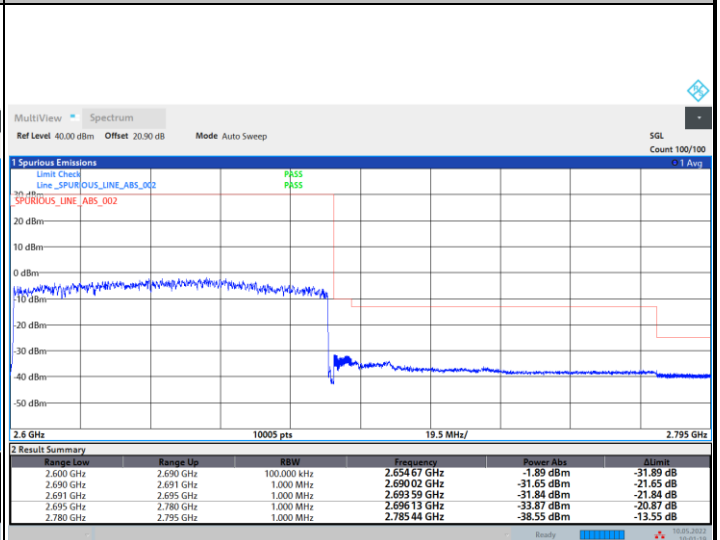
## FR1 n41 / 90MHz / DFT-S OFDM / PI/2 BPSK / Full RB

## Lowest Band Edge



10:03:23 10.05.2022

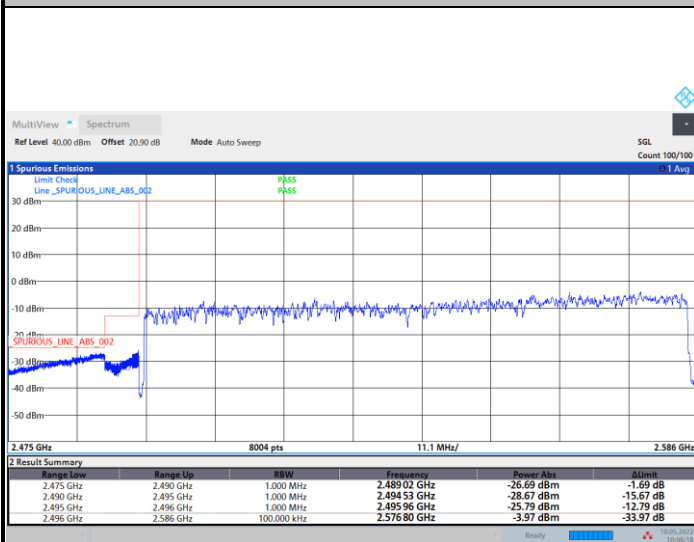
## Highest Band Edge



10:01:20 10.05.2022

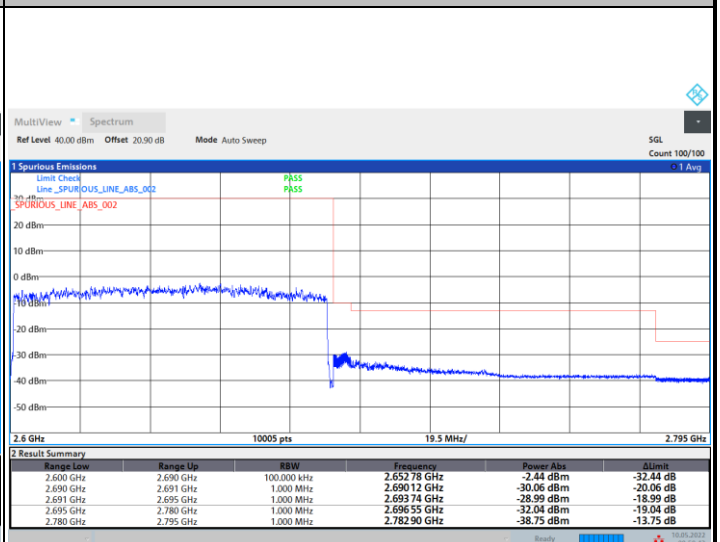
## FR1 n41 / 90MHz / DFT-S OFDM / QPSK / Full RB

## Lowest Band Edge



10:06:19 10.05.2022

## Highest Band Edge

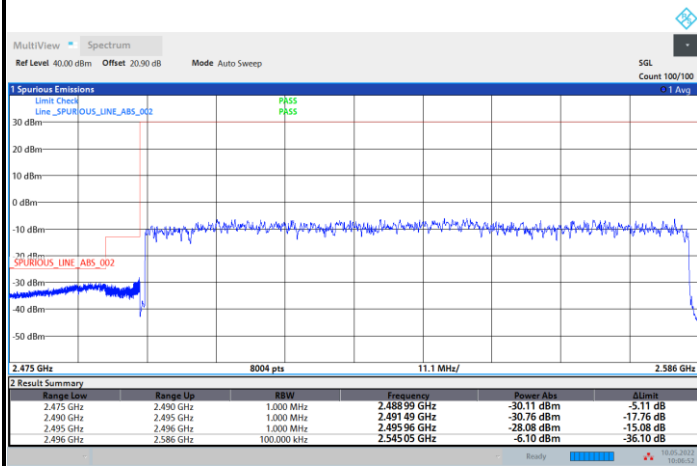


09:59:43 10.05.2022



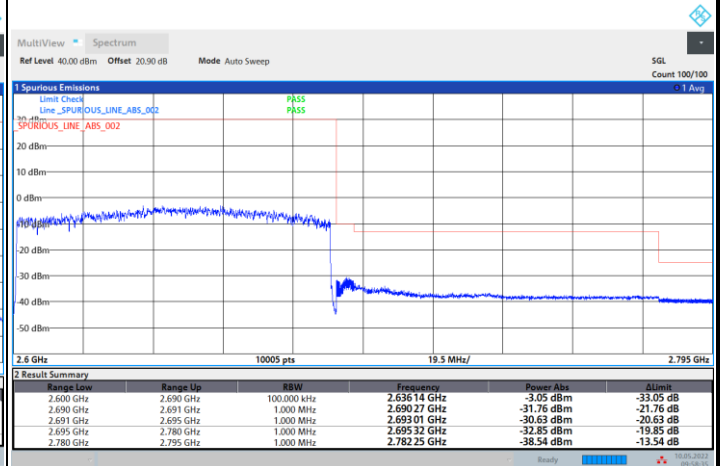
## FR1 n41 / 90MHz / DFT-S OFDM / 16QAM / Full RB

## Lowest Band Edge



10:06:52 10.05.2022

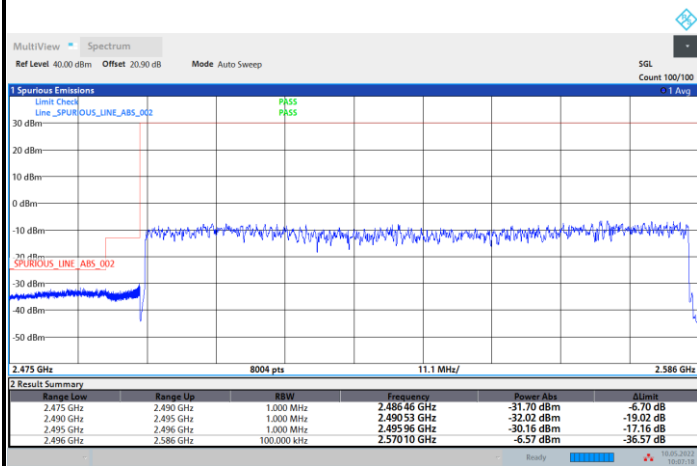
## Highest Band Edge



09:58:35 10.05.2022

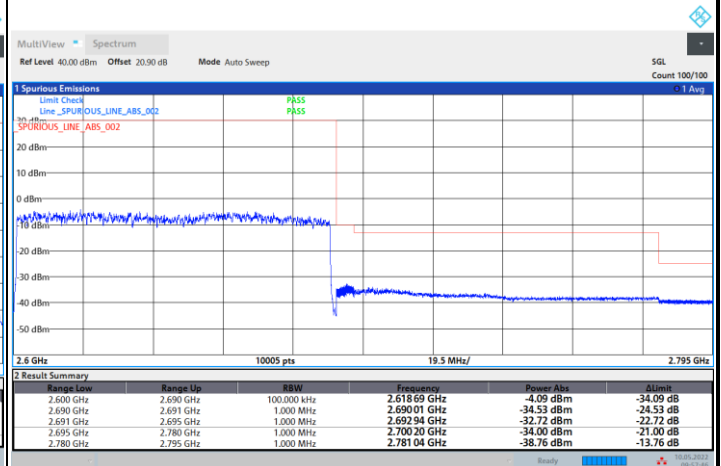
## FR1 n41 / 90MHz / DFT-S OFDM / 64QAM / Full RB

## Lowest Band Edge



10:07:19 10.05.2022

## Highest Band Edge

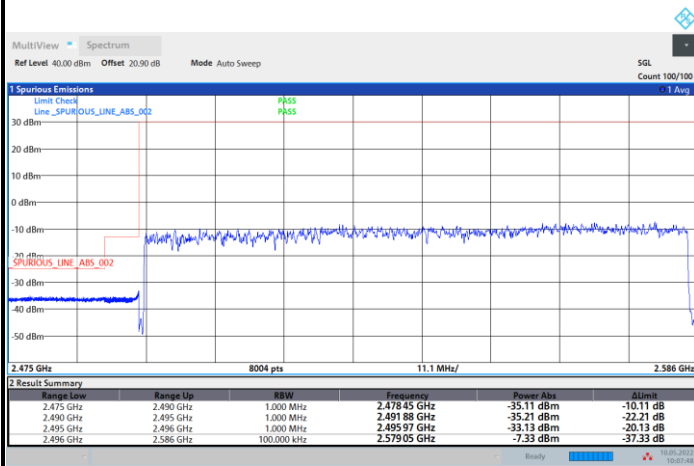


09:57:46 10.05.2022



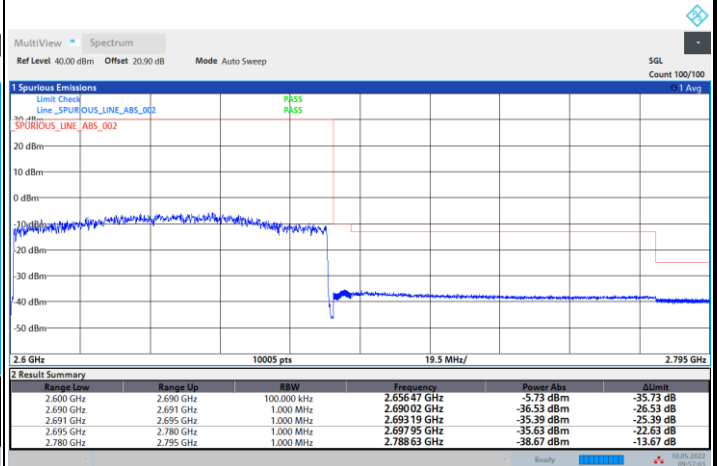
## FR1 n41 / 90MHz / DFT-S OFDM / 256QAM / Full RB

## Lowest Band Edge



10:07:49 10.05.2022

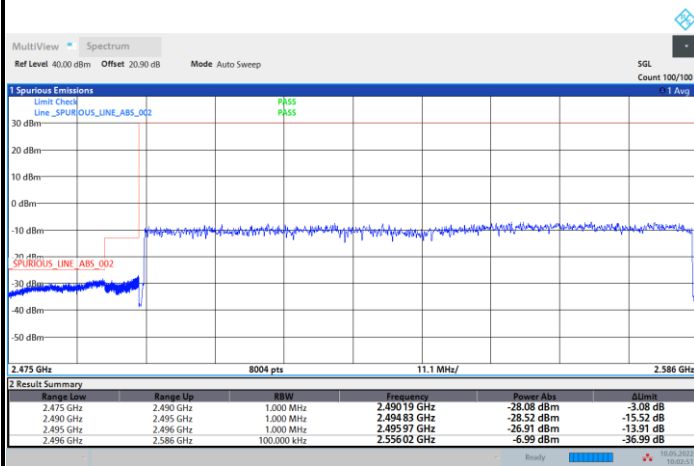
## Highest Band Edge



09:57:03 10.05.2022

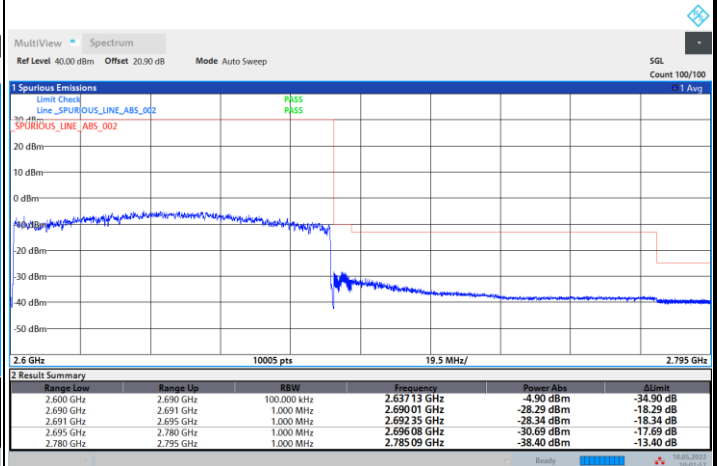
## FR1 n41 / 90MHz / CP OFDM / QPSK / Full RB

## Lowest Band Edge



10:02:51 10.05.2022

## Highest Band Edge

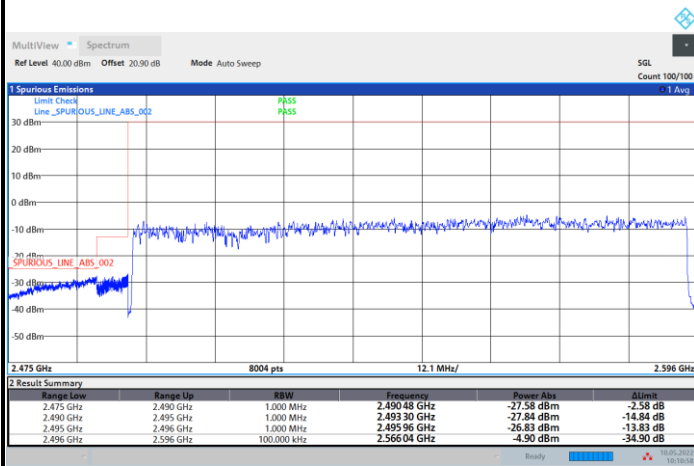


10:01:58 10.05.2022

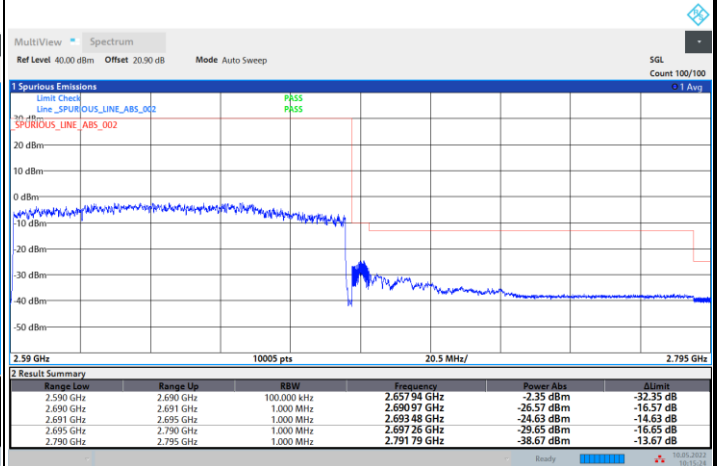


## FR1 n41 / 100MHz / DFT-S OFDM / PI/2 BPSK / Full RB

## Lowest Band Edge

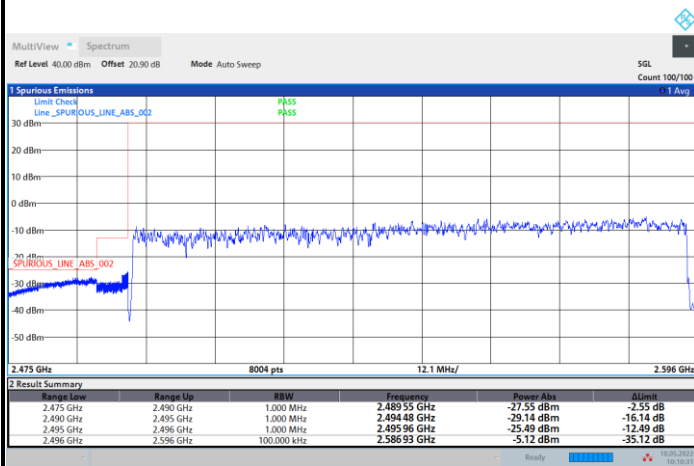


## Highest Band Edge

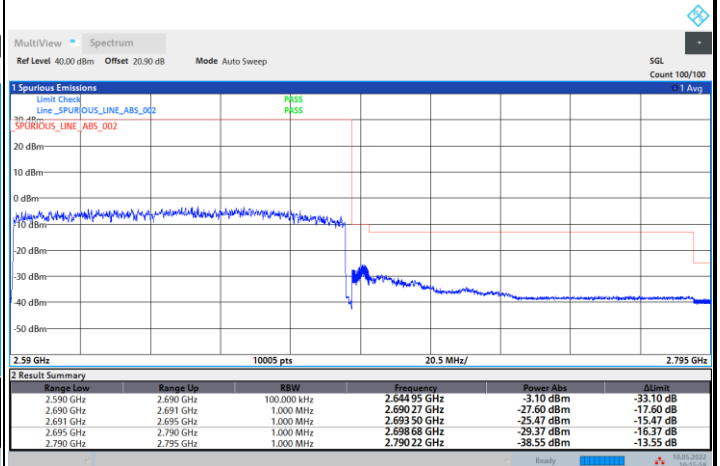


## FR1 n41 / 100MHz / DFT-S OFDM / QPSK / Full RB

## Lowest Band Edge



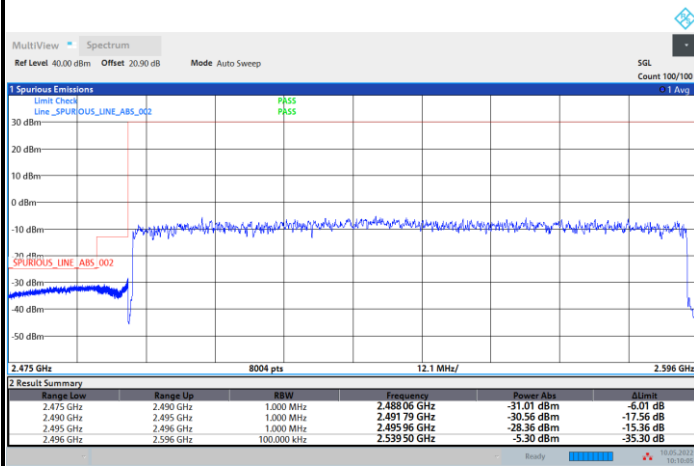
## Highest Band Edge





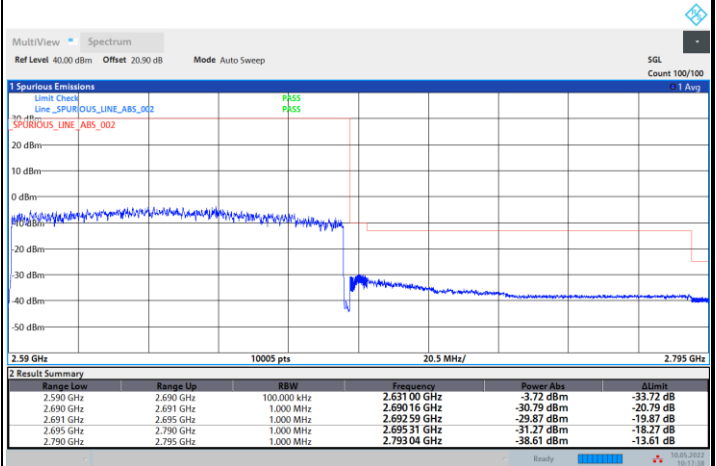
## FR1 n41 / 100MHz / DFT-S OFDM / 16QAM / Full RB

## Lowest Band Edge



10:10:06 10.05.2022

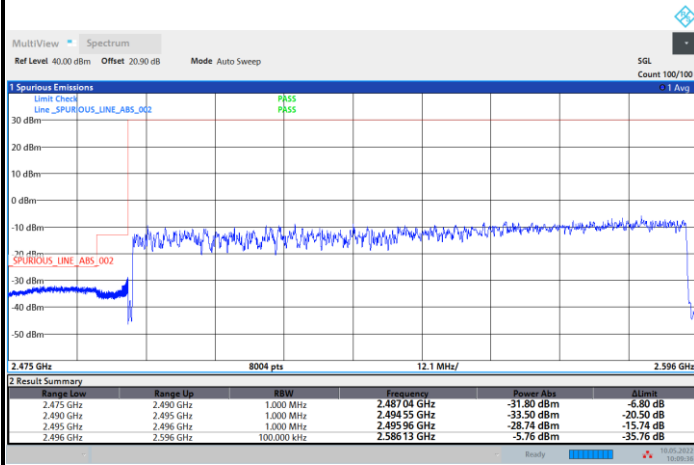
## Highest Band Edge



10:17:39 10.05.2022

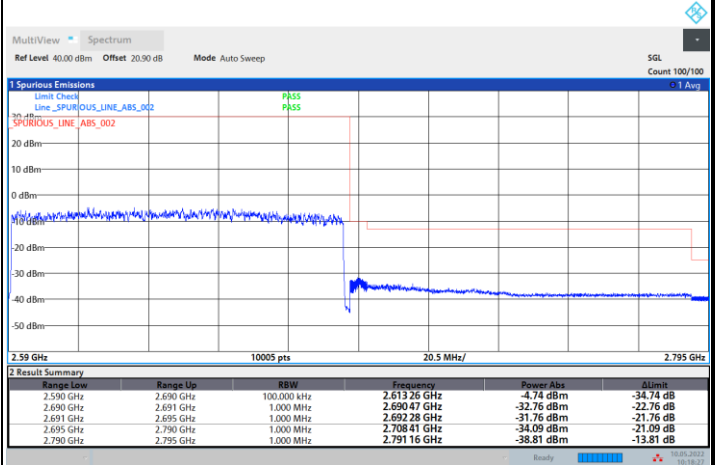
## FR1 n41 / 100MHz / DFT-S OFDM / 64QAM / Full RB

## Lowest Band Edge



10:09:37 10.05.2022

## Highest Band Edge

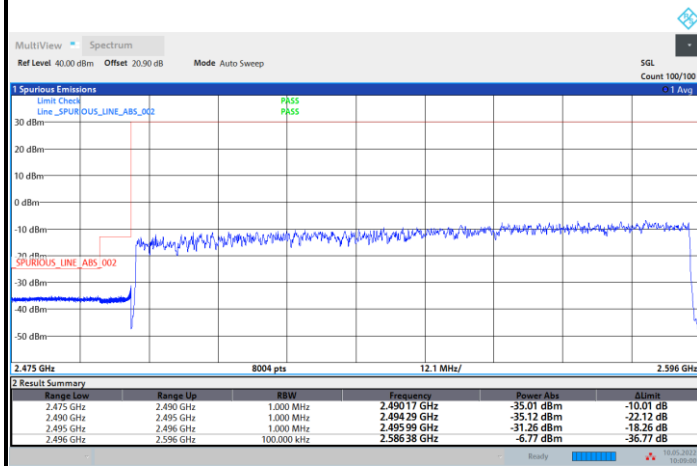


10:18:27 10.05.2022



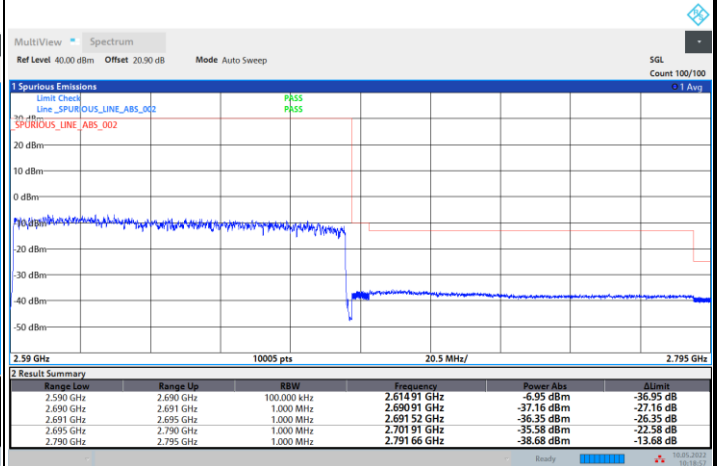
## FR1 n41 / 100MHz / DFT-S OFDM / 256QAM / Full RB

## Lowest Band Edge / Full RB



10:09:01 10.05.2022

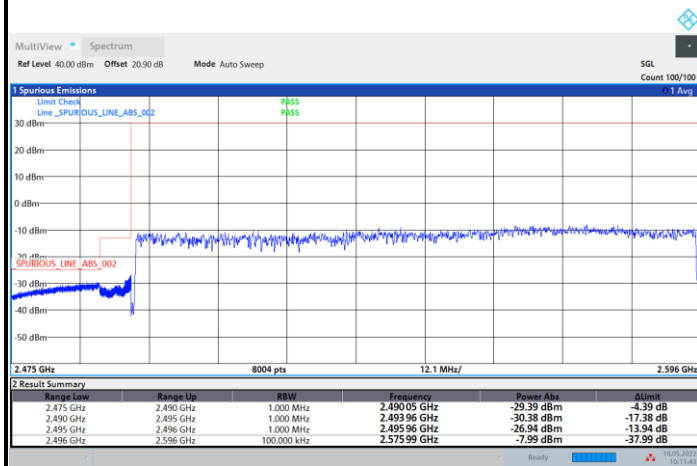
## Highest Band Edge / Full RB



10:10:57 10.05.2022

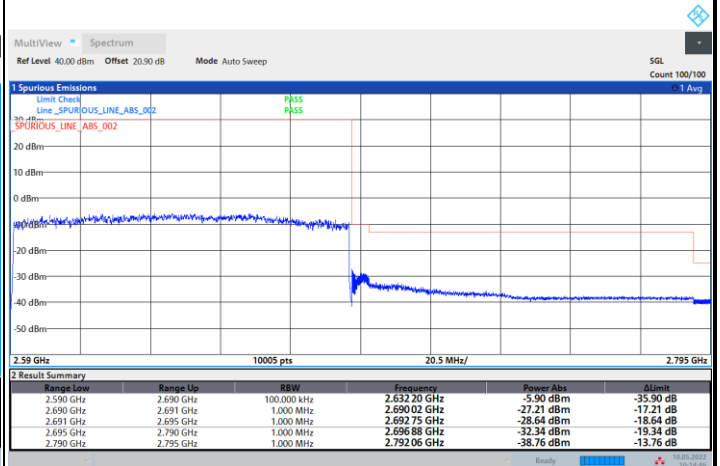
## FR1 n41 / 100MHz / CP OFDM / QPSK / Full RB

## Lowest Band Edge



10:11:44 10.05.2022

## Highest Band Edge



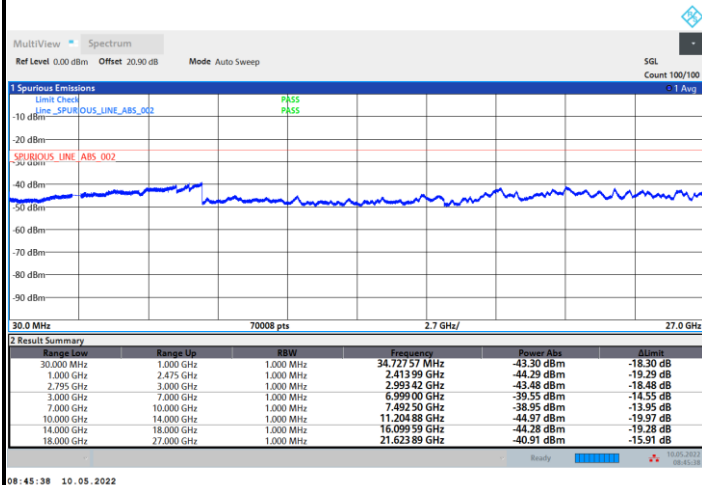
10:14:47 10.05.2022



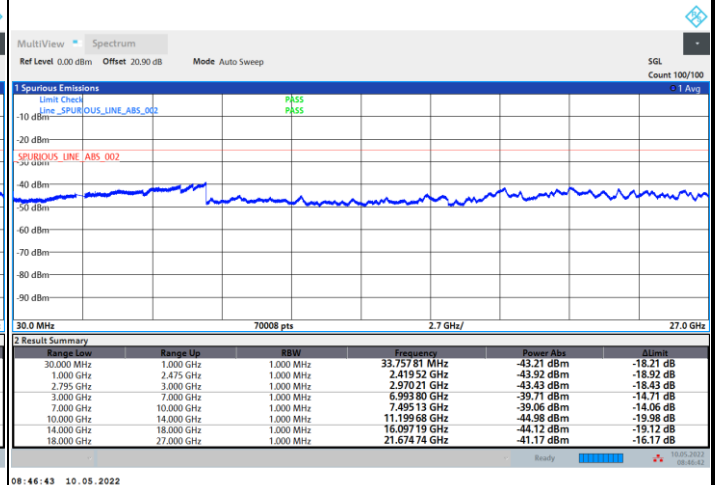
# Conducted Spurious Emission

FR1 n41 / 20MHz / DFT-S OFDM / QPSK / 1RB1

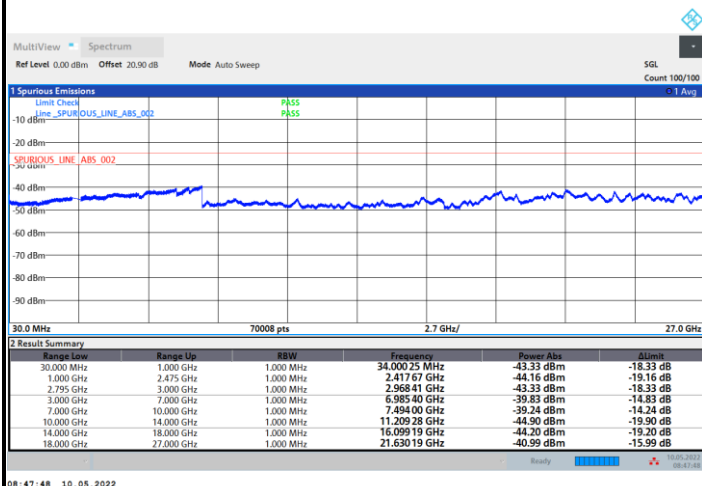
## Lowest Channel



## Middle Channel



## Highest Channel



## Frequency Stability

| Test Conditions     |                   | FR1 n41 (BPSK) / Middle Channel | Limit   |
|---------------------|-------------------|---------------------------------|---------|
| Temperature<br>(°C) | Voltage<br>(Volt) | BW 20MHz                        | Note 2. |
|                     |                   | Deviation (ppm)                 | Result  |
| 50                  | Normal Voltage    | 0.0012                          | PASS    |
| 40                  | Normal Voltage    | 0.0007                          |         |
| 30                  | Normal Voltage    | 0.0007                          |         |
| 20(Ref.)            | Normal Voltage    | 0.0000                          |         |
| 10                  | Normal Voltage    | 0.0009                          |         |
| 0                   | Normal Voltage    | 0.0019                          |         |
| -10                 | Normal Voltage    | 0.0015                          |         |
| -20                 | Normal Voltage    | 0.0025                          |         |
| -30                 | Normal Voltage    | 0.0012                          |         |
| 20                  | Maximum Voltage   | 0.0003                          |         |
| 20                  | Normal Voltage    | 0.0000                          |         |
| 20                  | Battery End Point | 0.0003                          |         |

**Note:**

1. Normal Voltage = 3.85 V. ; Battery End Point (BEP) = 3.40 V. ; Maximum Voltage = 4.40 V.
2. The frequency fundamental emissions stay within the authorized frequency block.

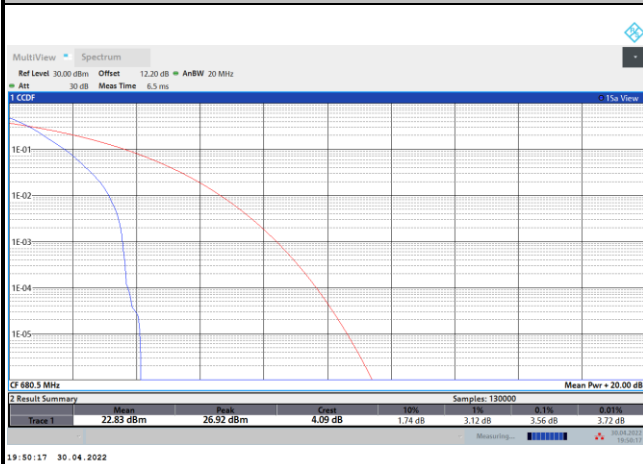
**FR1 n71****Peak-to-Average Ratio**

| Mode      | FR1 n71 / 20MHz / DFT-S OFDM |         |         |         |             |
|-----------|------------------------------|---------|---------|---------|-------------|
| Mod.      | PI/2 BPSK                    | QPSK    | 16QAM   | 64QAM   | Limit: 13dB |
| RB Size   | Full RB                      | Full RB | Full RB | Full RB | Result      |
| Middle CH | 3.56                         | 4.44    | 5.50    | 5.88    | <b>PASS</b> |
| Mode      | FR1 n71 / 20MHz / DFT-S OFDM |         |         |         |             |
| Mod.      | 256QAM                       |         |         |         | Limit: 13dB |
| RB Size   | Full RB                      |         |         |         | Result      |
| Middle CH | 6.68                         |         |         |         | <b>PASS</b> |

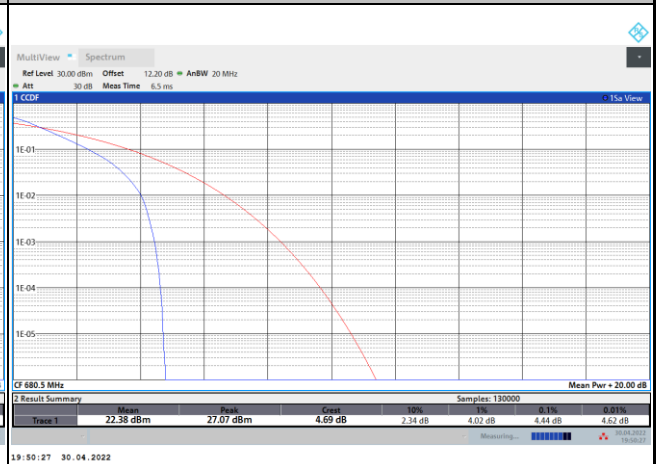


## FR1 n71 / 20MHz / DFT-S OFDM / Middle Channel / Full RB

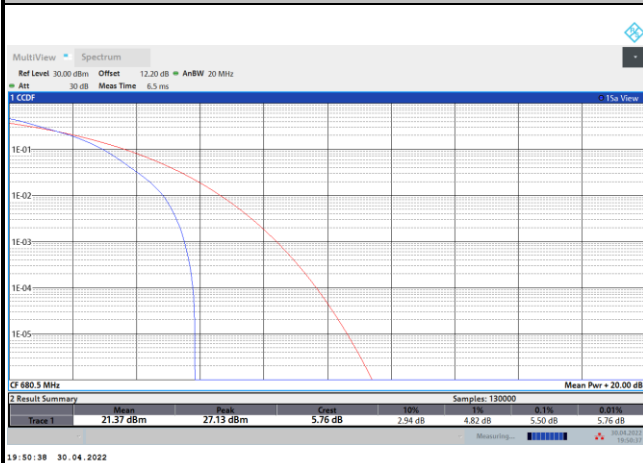
## PI/2 BPSK



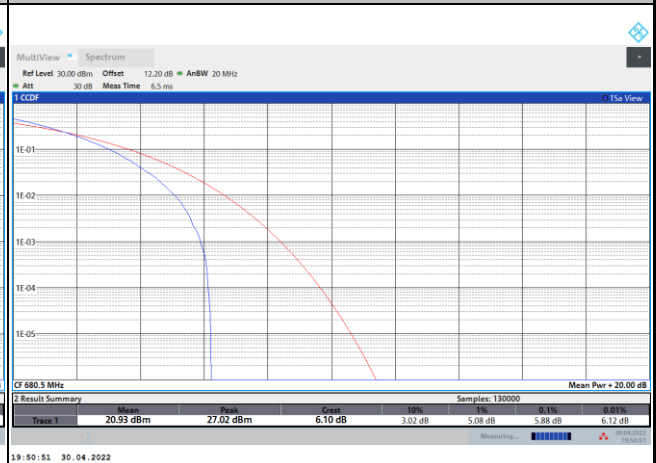
## QPSK



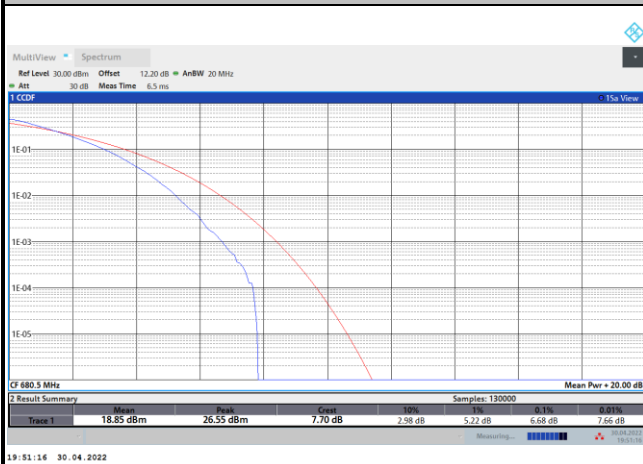
## 16QAM



## 64QAM



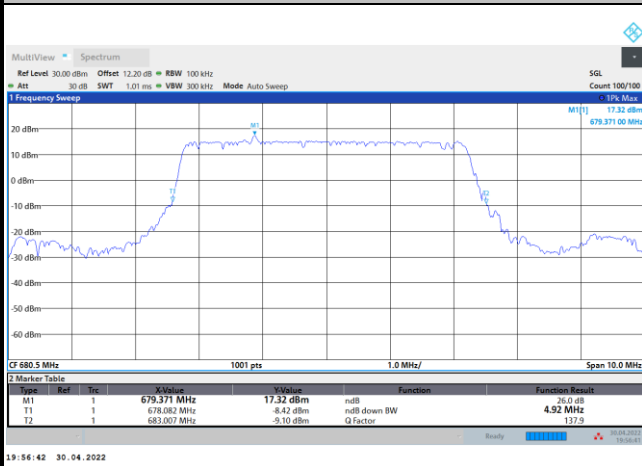
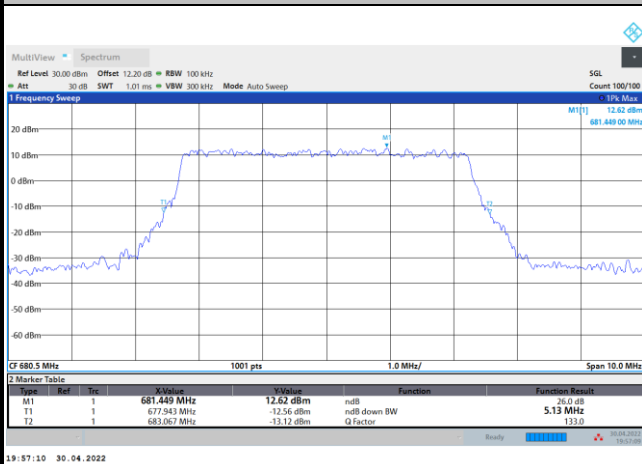
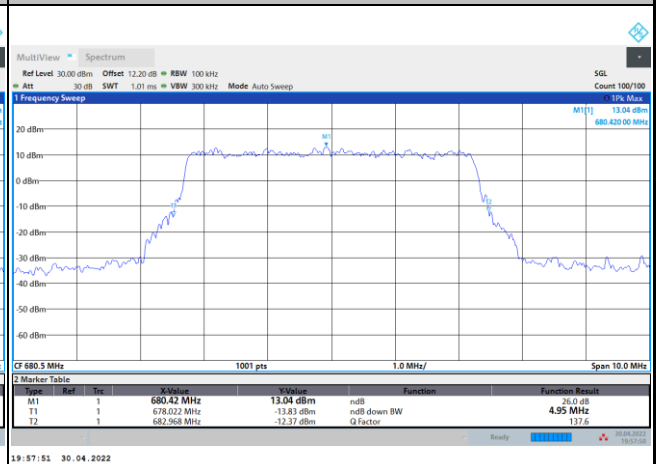
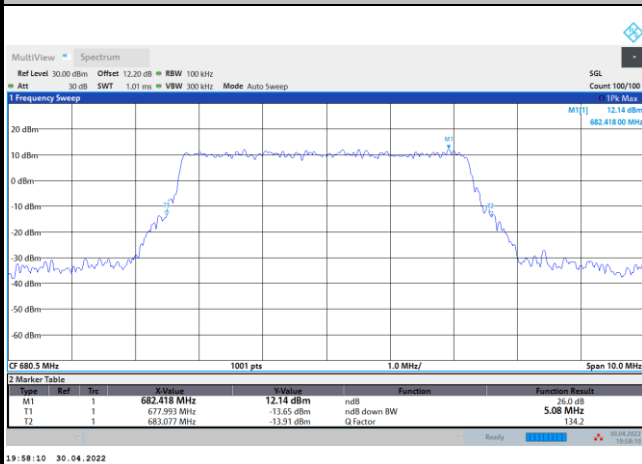
## 256QAM



**26dB Bandwidth**

| Mode      | FR1 n71 : 26dB BW(MHz) / DFT-S OFDM |  |           |  |           |  |           |  |
|-----------|-------------------------------------|--|-----------|--|-----------|--|-----------|--|
| BW        | 5MHz                                |  | 10MHz     |  | 15MHz     |  | 20MHz     |  |
| Mod.      | PI/2 BPSK                           |  | PI/2 BPSK |  | PI/2 BPSK |  | PI/2 BPSK |  |
| Middle CH | 4.93                                |  | 9.47      |  | 14.36     |  | 18.70     |  |

| Mode      | FR1 n71 : 26dB BW(MHz) / CP OFDM |        |       |        |       |        |       |        |
|-----------|----------------------------------|--------|-------|--------|-------|--------|-------|--------|
| BW        | 5MHz                             |        | 10MHz |        | 15MHz |        | 20MHz |        |
| Mod.      | QPSK                             | 16QAM  | QPSK  | 16QAM  | QPSK  | 16QAM  | QPSK  | 16QAM  |
| Middle CH | 5.13                             | 4.95   | 9.79  | 9.83   | 15.11 | 15.02  | 19.82 | 19.98  |
| Mod.      | 64QAM                            | 256QAM | 64QAM | 256QAM | 64QAM | 256QAM | 64QAM | 256QAM |
| Middle CH | 5.09                             | 5.18   | 9.99  | 9.83   | 14.96 | 15.11  | 19.86 | 19.82  |

**FR1 n71 / 5MHz / DFT-S OFDM / Middle Channel / Full RB**
**PI/2 BPSK**

**FR1 n71 / 5MHz / CP OFDM / Middle Channel / Full RB**
**QPSK**

**16QAM**

**64QAM**

**256QAM**
