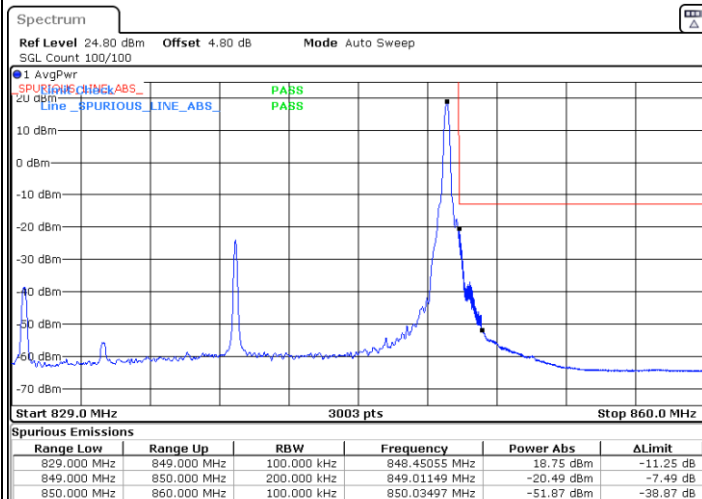
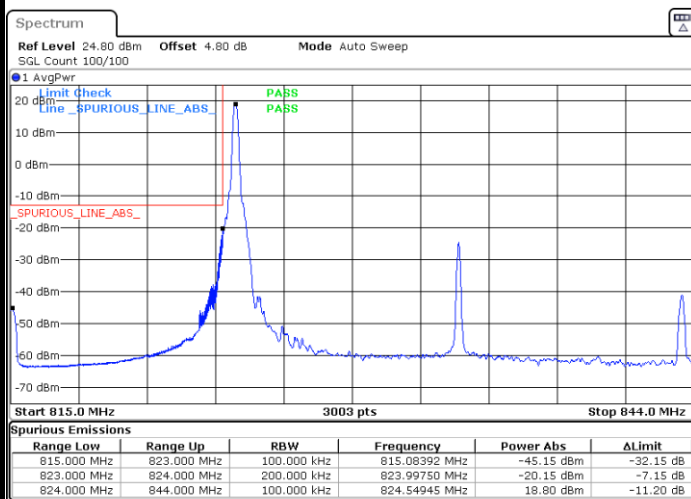




## FR1 n5 / 20MHz / DFT-s-OFDM / 256QAM

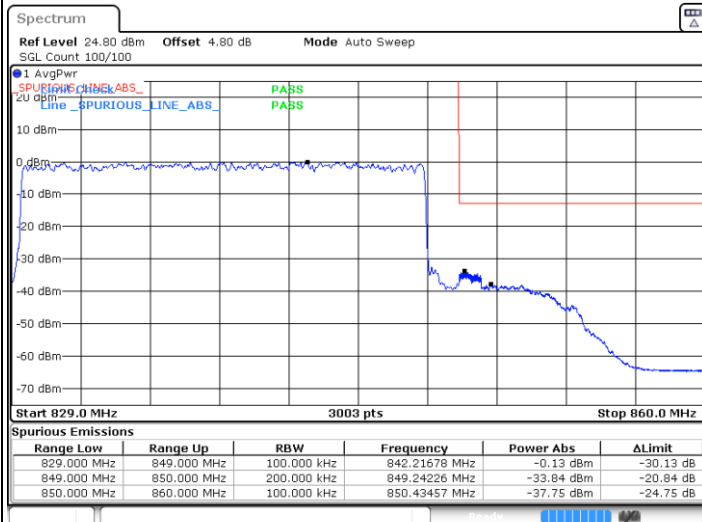
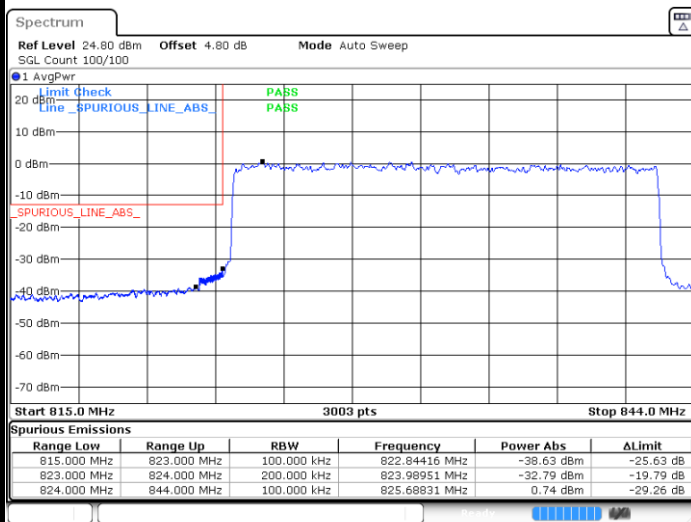
## Lowest Band Edge / 1RB0

## Highest Band Edge / 1RBMAX



## Lowest Band Edge / Full RB

## Highest Band Edge / Full RB



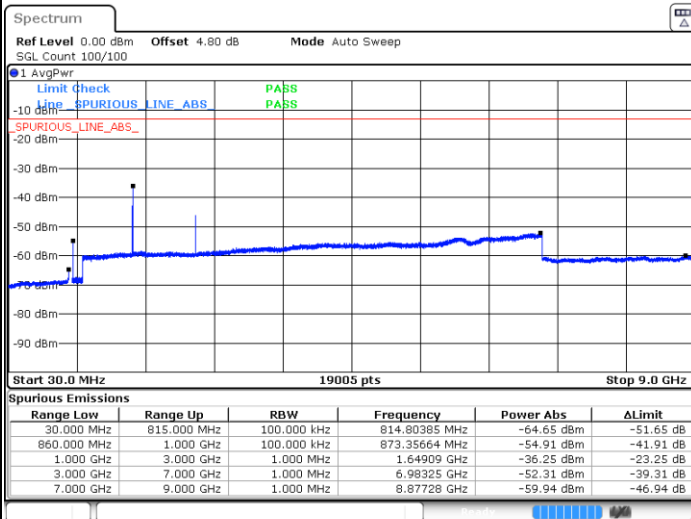


## Conducted Spurious Emission

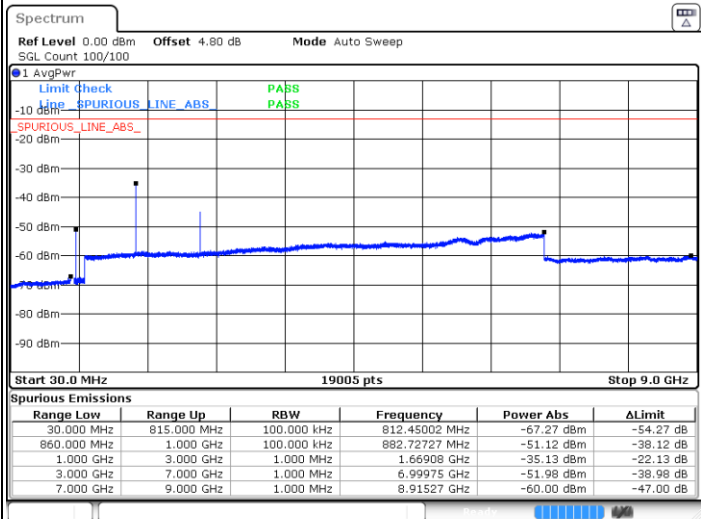
FR1 n5 / 5MHz / DFT-S OFDM / QPSK

Lowest Channel / 1RB1

Middle Channel / 1RB1

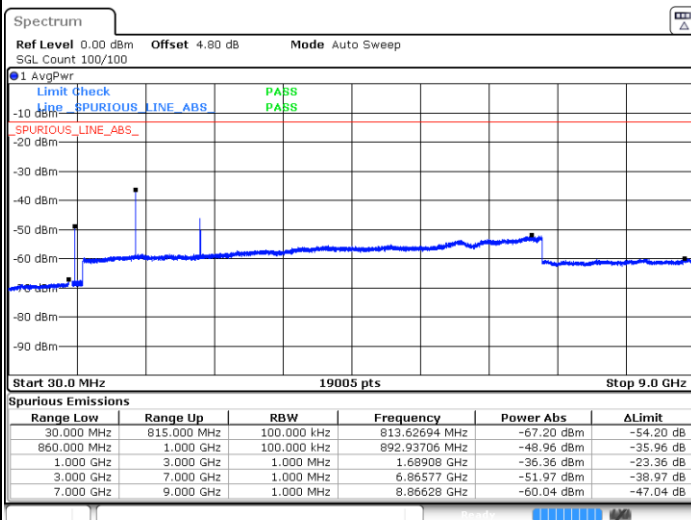


Date: 24 NOV. 2021 03:59:25



Date: 24 NOV. 2021 04:05:10

Highest Channel / 1RB1

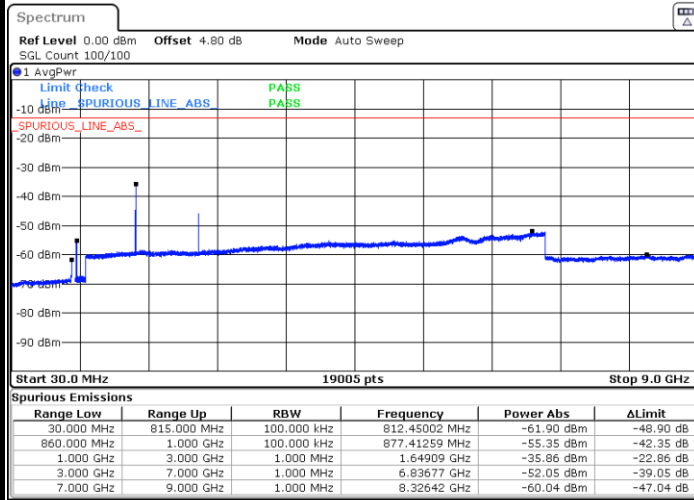


Date: 24 NOV. 2021 04:07:03



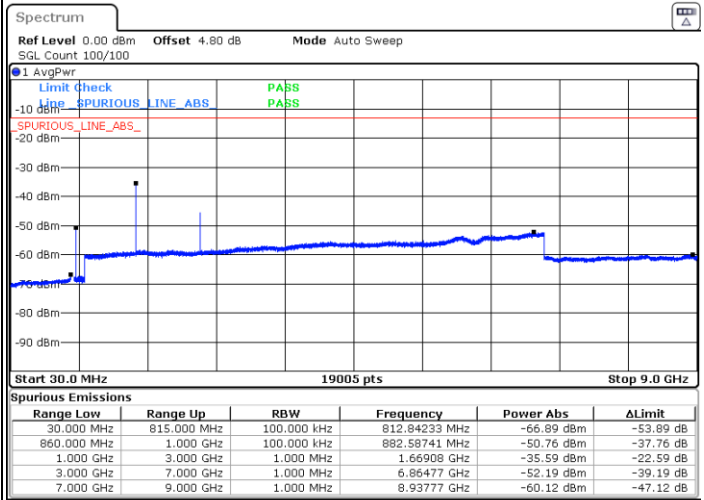
## FR1 n5/ 10MHz / DFT-S OFDM / QPSK

## Lowest Channel / 1RB1



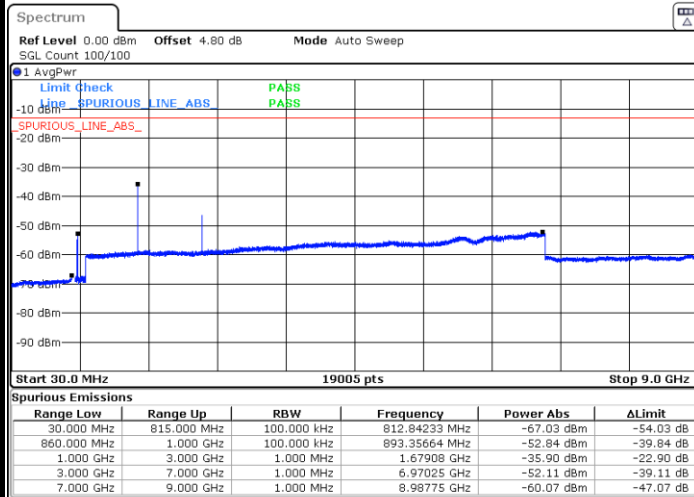
Date: 24 NOV. 2021 03:25:15

## Middle Channel / 1RB1



Date: 24 NOV. 2021 03:54:36

## Highest Channel / 1RB1

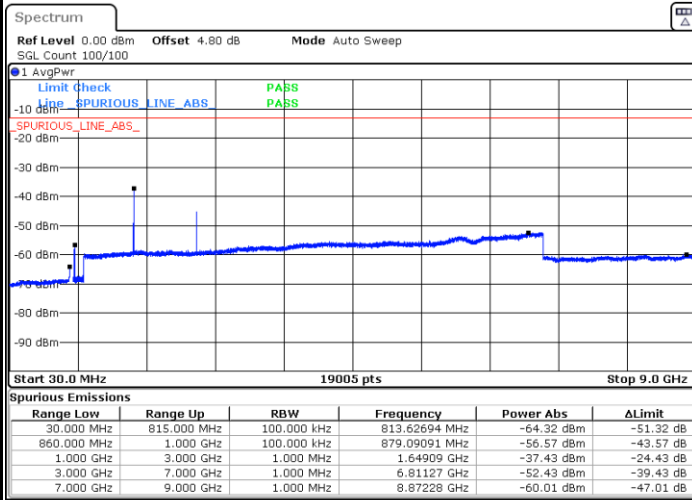


Date: 24 NOV. 2021 03:45:28



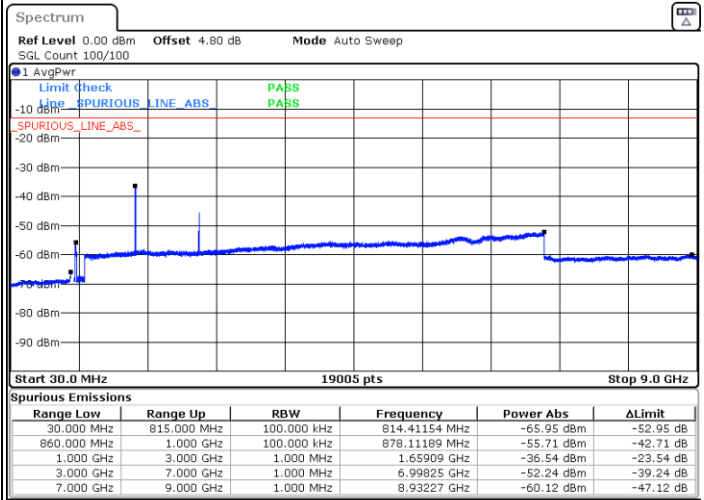
## FR1 n5 / 15MHz / DFT-S OFDM / QPSK

## Lowest Channel / 1RB1



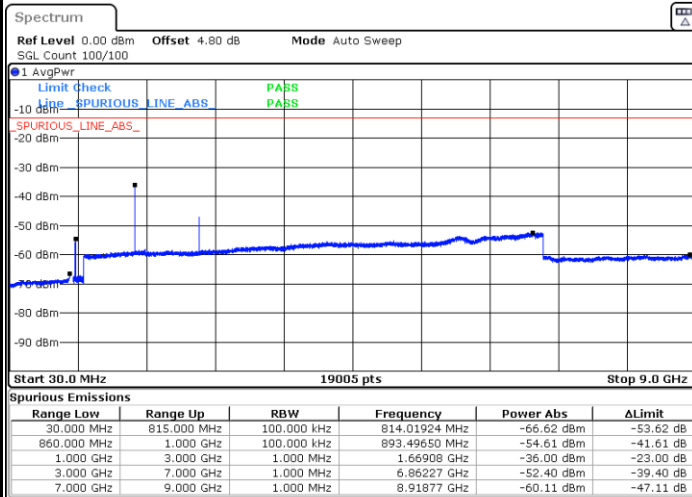
Date: 24 NOV. 2021 02:53:57

## Middle Channel / 1RB1



Date: 24 NOV. 2021 02:55:09

## Highest Channel / 1RB1

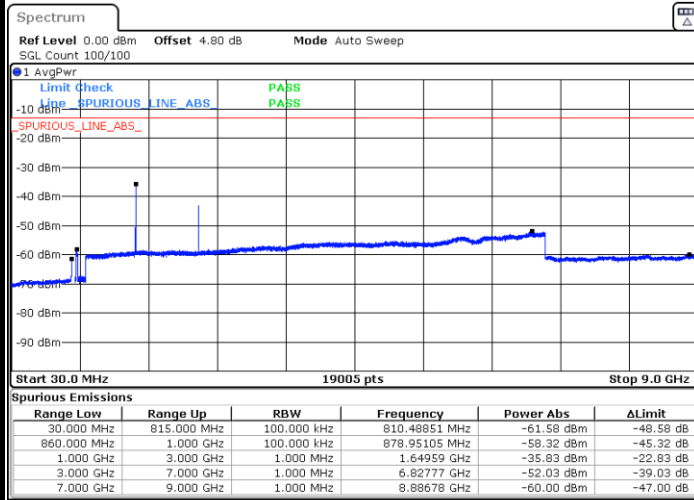


Date: 24 NOV. 2021 02:56:08



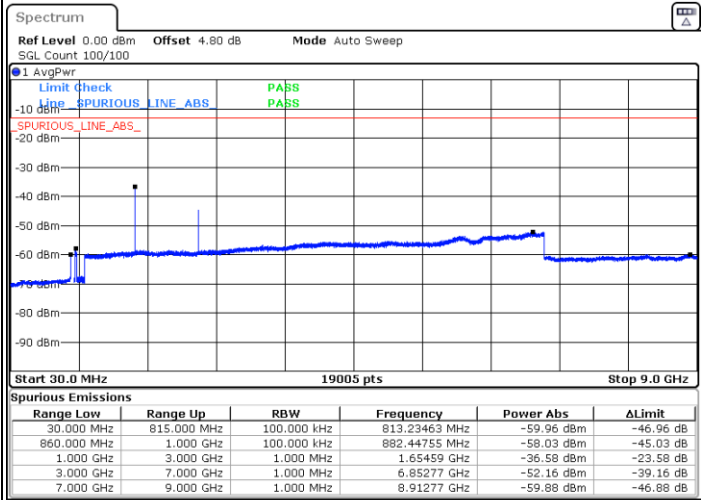
## FR1 n5 / 20MHz / DFT-S OFDM / QPSK

## Lowest Channel / 1RB1



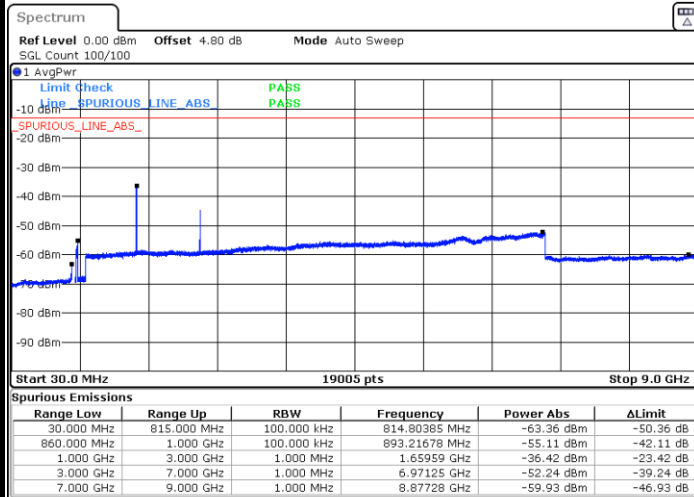
Date: 24 NOV. 2021 02:32:47

## Middle Channel / 1RB1



Date: 24 NOV. 2021 02:31:33

## Highest Channel / 1RB1



Date: 24 NOV. 2021 02:29:29

## Frequency Stability

| Test Conditions  |                   | FR1 n12 (QPSK) / Middle Channel | Limit   |
|------------------|-------------------|---------------------------------|---------|
| Temperature (°C) | Voltage (Volt)    | BW 20MHz                        | Note 2. |
|                  |                   | Deviation (ppm)                 | Result  |
| 50               | Normal Voltage    | 0.0012                          | PASS    |
| 40               | Normal Voltage    | 0.0032                          |         |
| 30               | Normal Voltage    | 0.0053                          |         |
| 20(Ref.)         | Normal Voltage    | 0.0010                          |         |
| 10               | Normal Voltage    | 0.0072                          |         |
| 0                | Normal Voltage    | 0.0043                          |         |
| -10              | Normal Voltage    | 0.0005                          |         |
| -20              | Normal Voltage    | 0.0055                          |         |
| -30              | Normal Voltage    | 0.0014                          |         |
| 20               | Maximum Voltage   | 0.0025                          |         |
| 20               | Normal Voltage    | 0.0036                          |         |
| 20               | Battery End Point | 0.0062                          |         |

**Note:**

1. Normal Voltage =3.87 V. ; Battery End Point (BEP) =3.6 V. ; Maximum Voltage =4.45 V.
2. Note: The frequency fundamental emissions stay within the authorized frequency block.

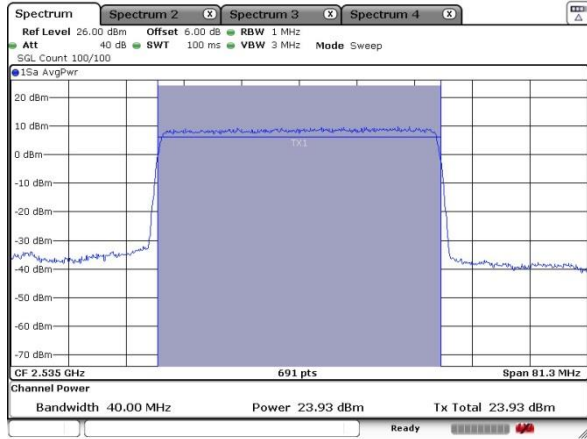
**FR1 n7****Peak-to-Average Ratio**

| Mode      | FR1 n7 / 40MHz / 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 | 6.82                        | 6.85    | 6.92    | 6.85    | PASS        |
| Mod.      | 256QAM                      |         |         |         | Limit: 13dB |
| RB Size   | Full RB                     |         |         |         | Result      |
| Middle CH | 6.96                        |         |         |         | PASS        |



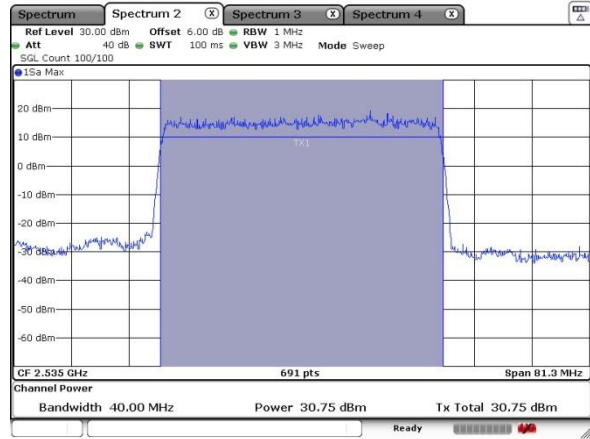
Middle Channel / Full RB

BPSK-A

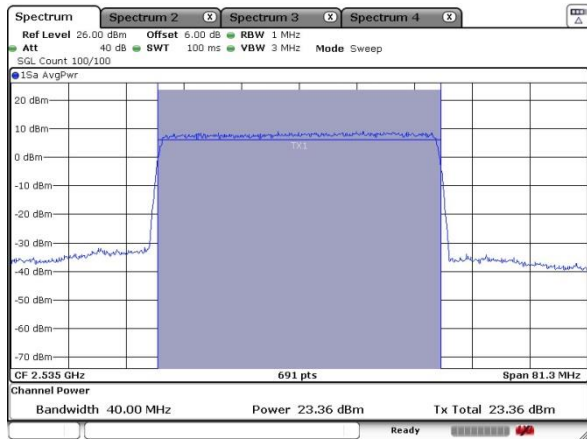


Middle Channel / Full RB

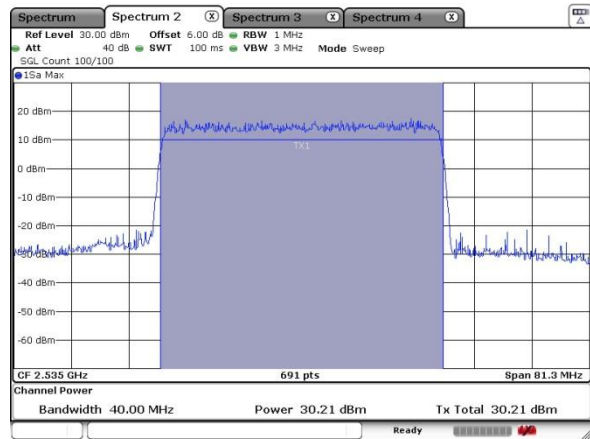
BPSK-P



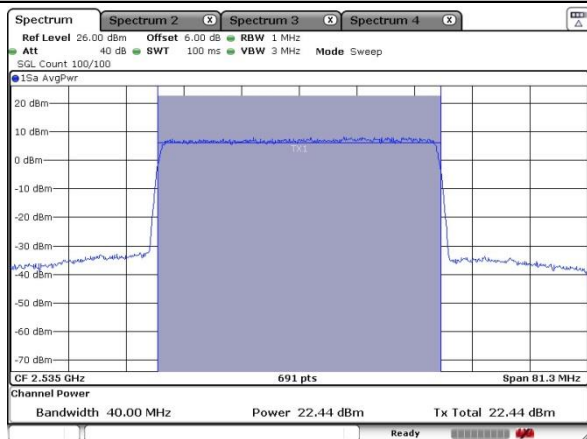
QPSK-A



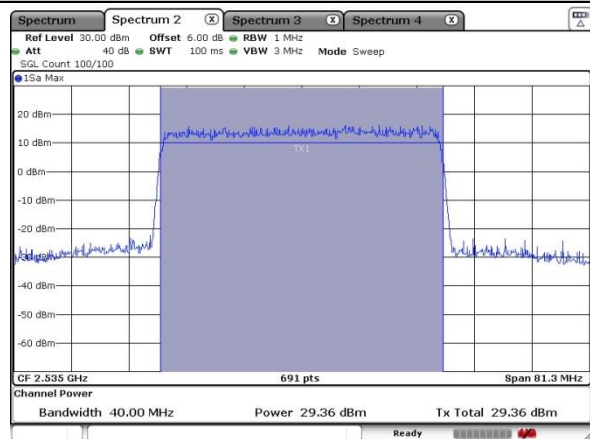
QPSK-P



16QAM-A



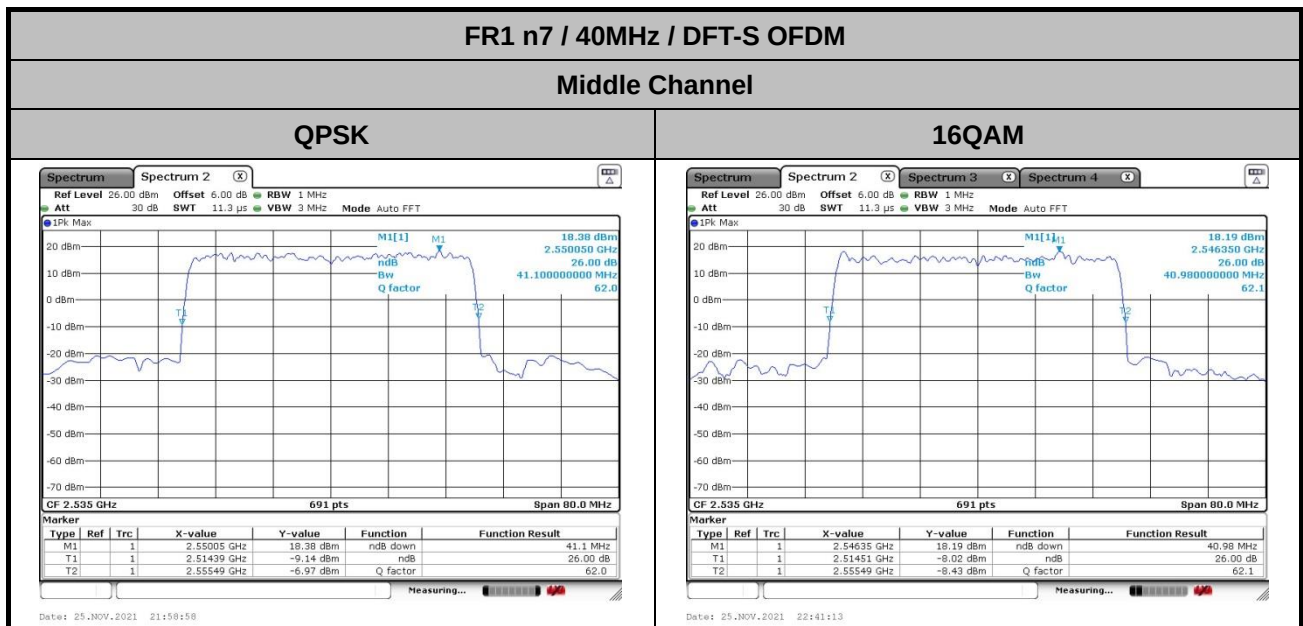
16QAM-P





**26dB Bandwidth**

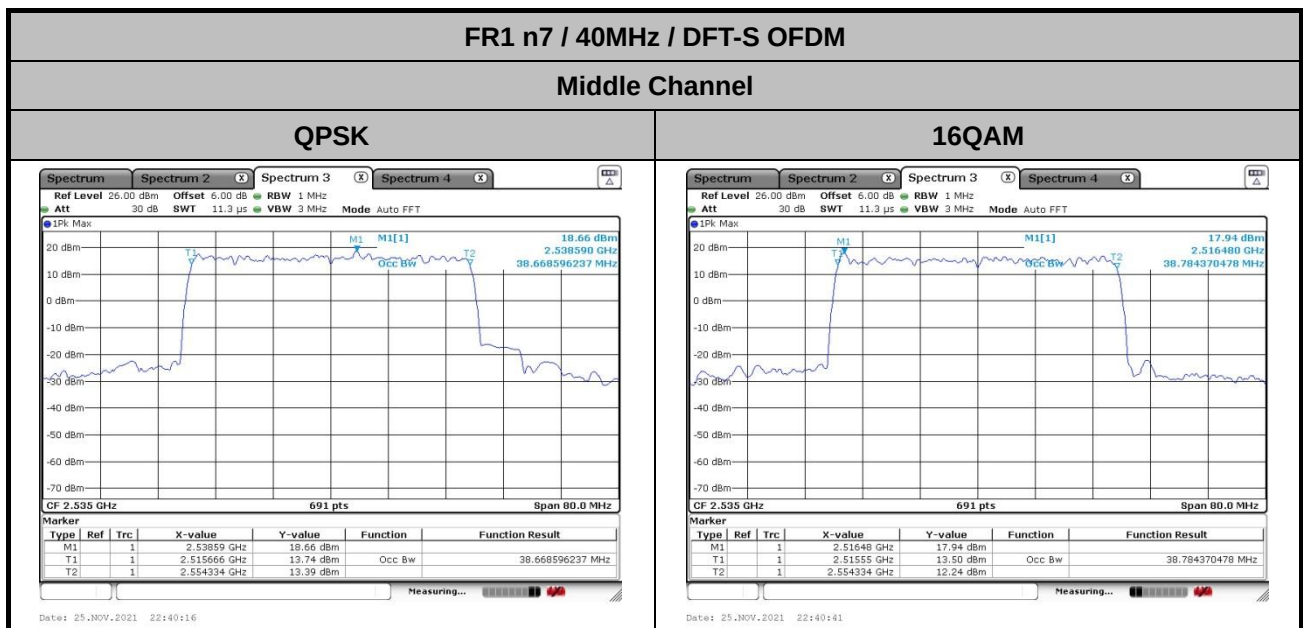
| Mode      | FR1 n7 : 26dB BW(MHz) / DFT-S OFDM |       |
|-----------|------------------------------------|-------|
| BW        | 40M                                |       |
| Mod.      | QPSK                               | 16QAM |
| Middle CH | 41.1                               | 40.98 |





## Occupied Bandwidth

| Mode      | FR1 n7 : 99%OBW(MHz) / DFT-S OFDM |       |
|-----------|-----------------------------------|-------|
| BW        | 40M                               |       |
| Mod.      | QPSK                              | 16QAM |
| Middle CH | 38.66                             | 38.78 |

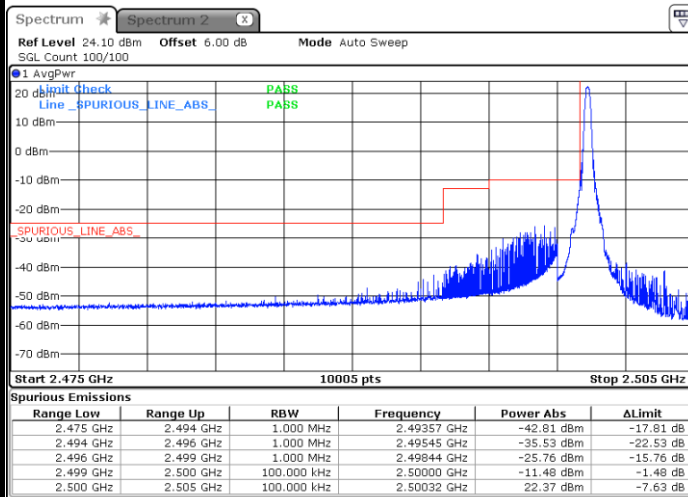




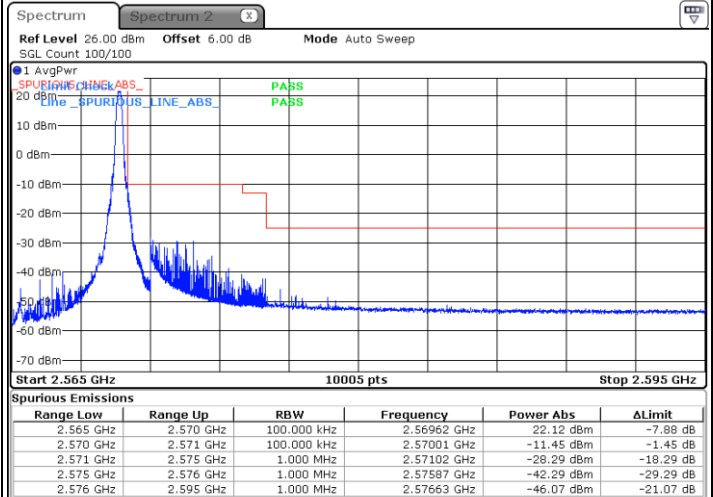
## Conducted Band Edge

FR1 n7 / 5MHz / DFT-S OFDM / PI/2 BPSK

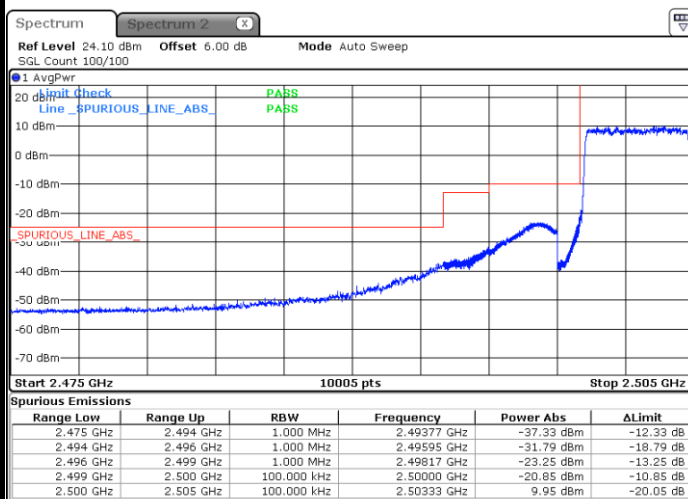
### Lowest Band Edge / 1RB0



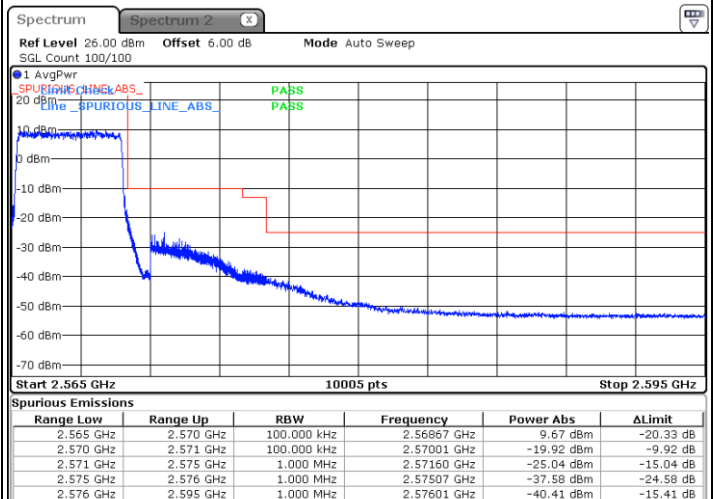
### Highest Band Edge / 1RBMAX



### Lowest Band Edge / Full RB



### Highest Band Edge / Full RB

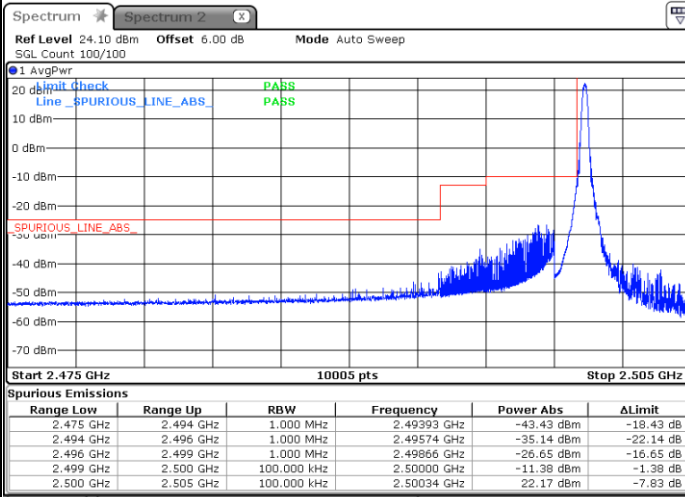




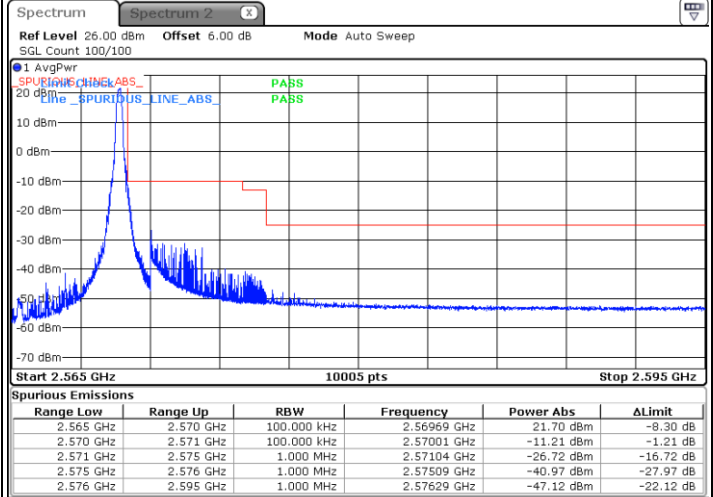
## FR1 n7 / 5MHz / DFT-S OFDM / QPSK

## Lowest Band Edge / 1RB0

## Highest Band Edge / 1RBMAX



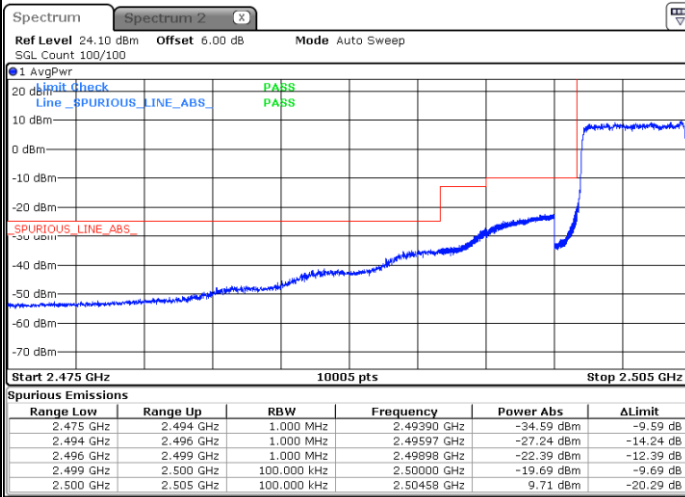
Date: 26.NOV.2021 13:07:23



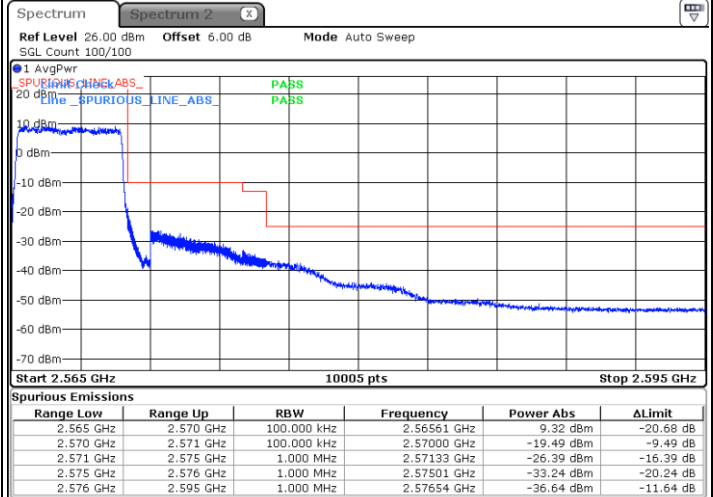
Date: 26.NOV.2021 13:17:45

## Lowest Band Edge / Full RB

## Highest Band Edge / Full RB



Date: 26.NOV.2021 13:12:22



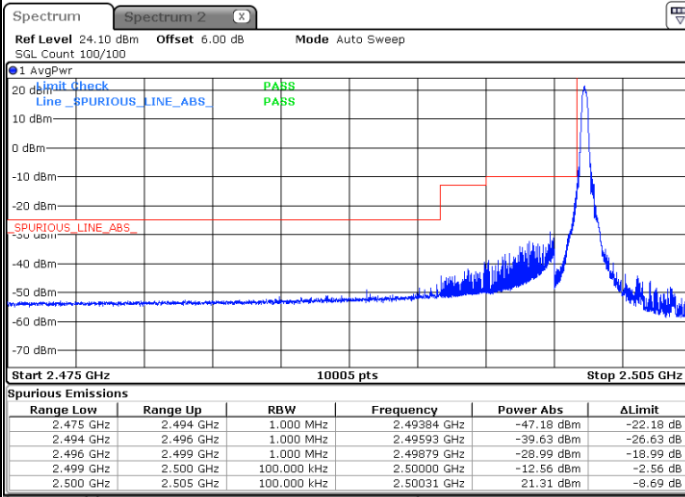
Date: 26.NOV.2021 13:23:08



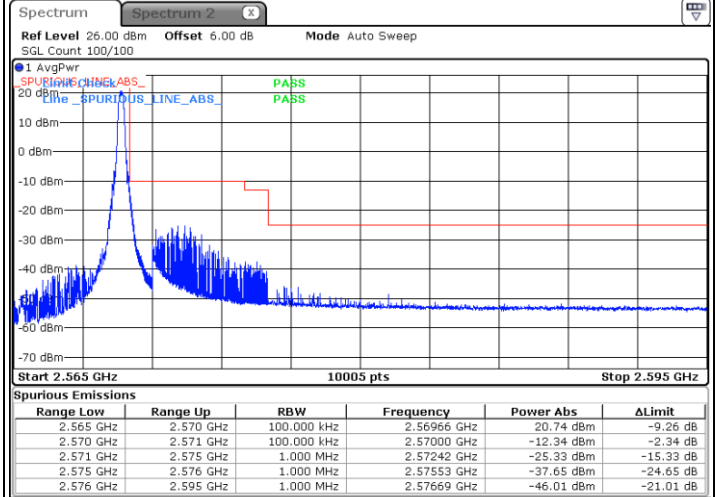
## FR1 n7 / 5MHz / DFT-S OFDM / 16QAM

## Lowest Band Edge / 1RB0

## Highest Band Edge / 1RBMAX



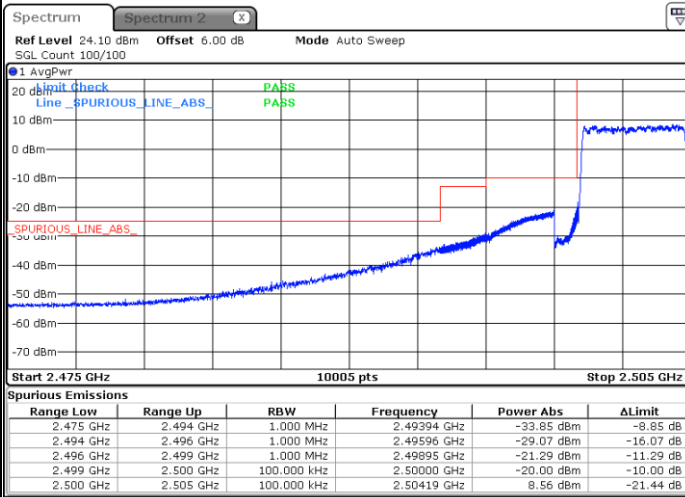
Date: 26.NOV.2021 13:08:16



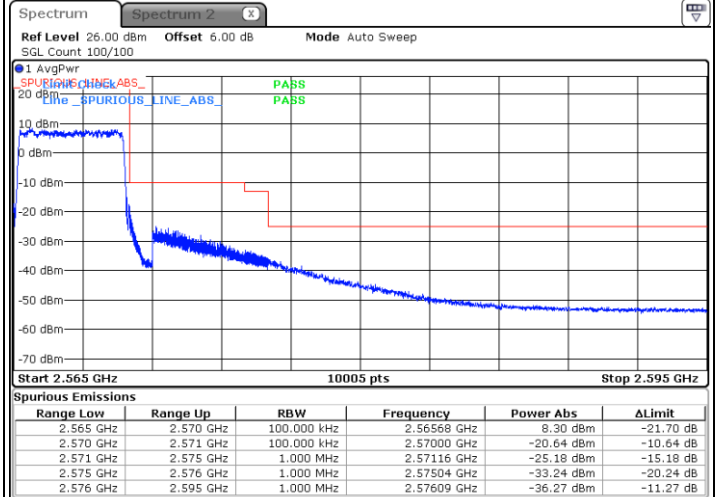
Date: 26.NOV.2021 13:18:10

## Lowest Band Edge / Full RB

## Highest Band Edge / Full RB



Date: 26.NOV.2021 13:13:19



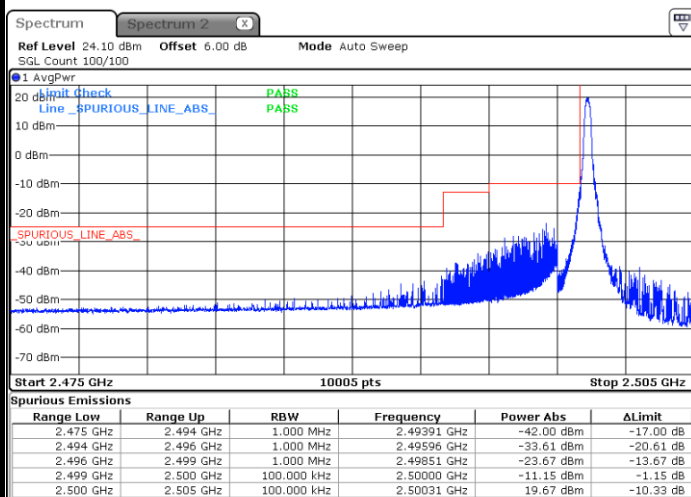
Date: 26.NOV.2021 13:22:37



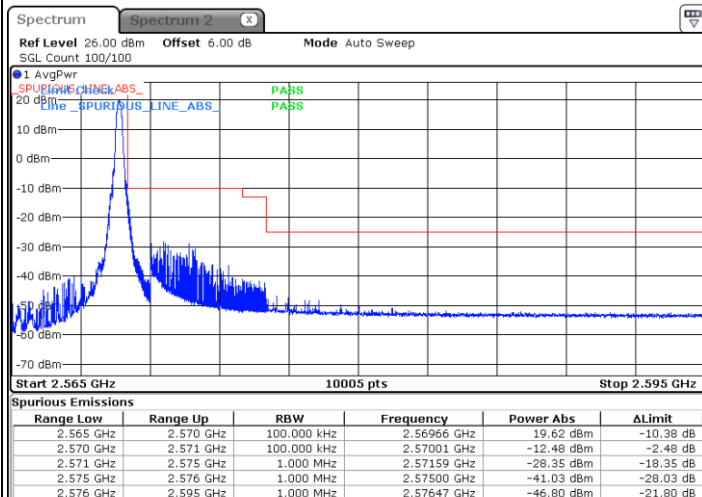
## FR1 n7 / 5MHz / DFT-S OFDM / 64QAM

## Lowest Band Edge / 1RB0

## Highest Band Edge / 1RBMAX



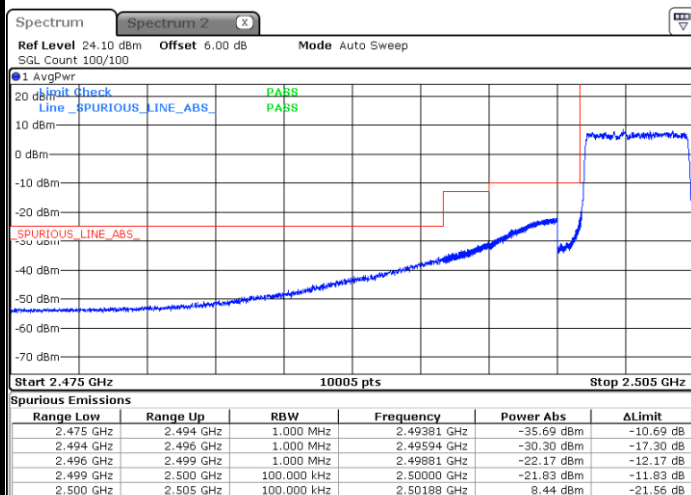
Date: 26.NOV.2021 13:08:51



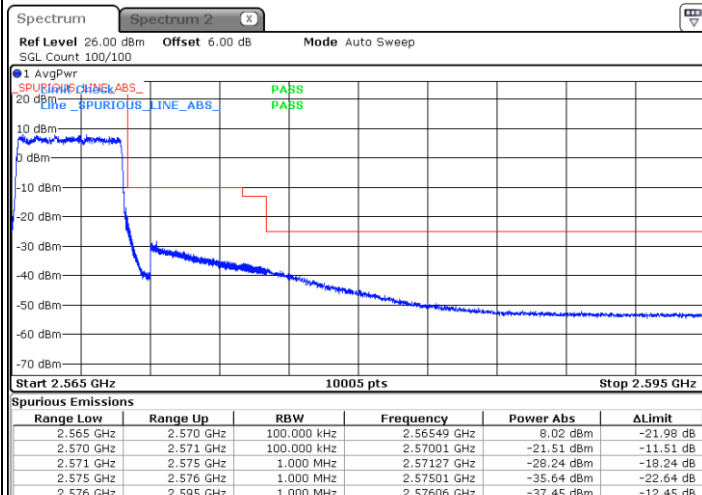
Date: 26.NOV.2021 13:20:13

## Lowest Band Edge / Full RB

## Highest Band Edge / Full RB



Date: 26.NOV.2021 13:14:02



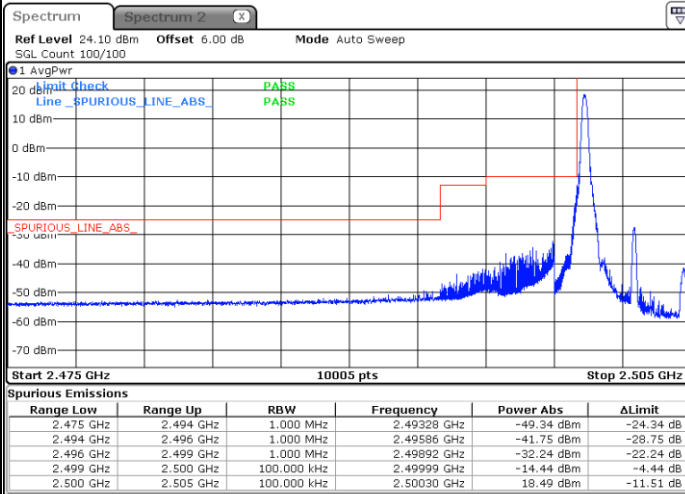
Date: 26.NOV.2021 13:21:58



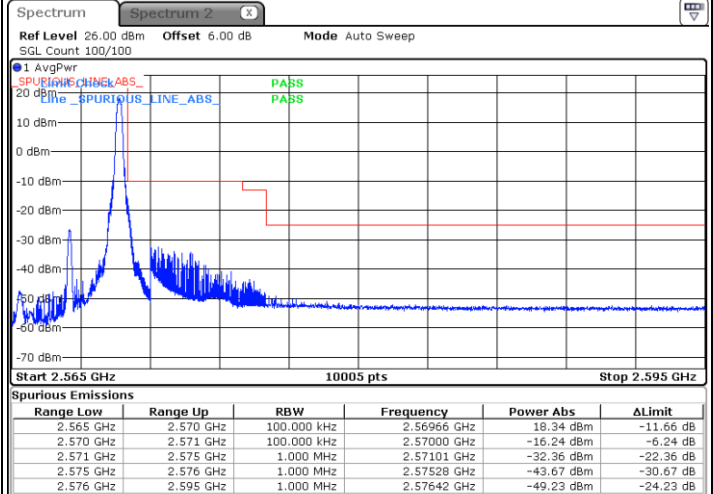
## FR1 n7 / 5MHz / DFT-S OFDM / 256QAM

## Lowest Band Edge / 1RB0

## Highest Band Edge / 1RBMAX



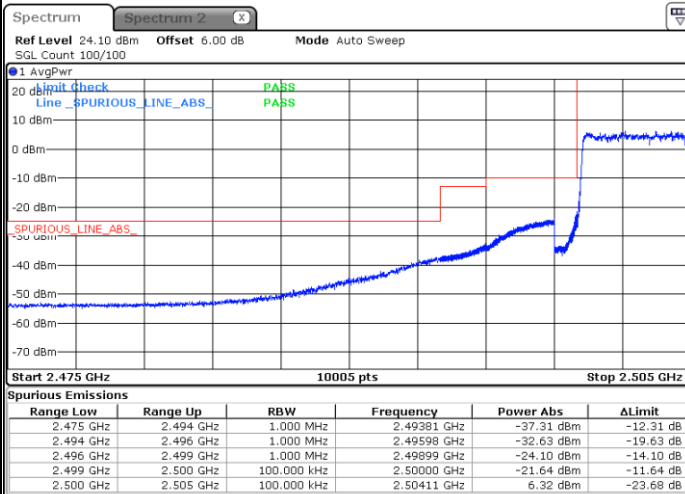
Date: 26.NOV.2021 13:15:50



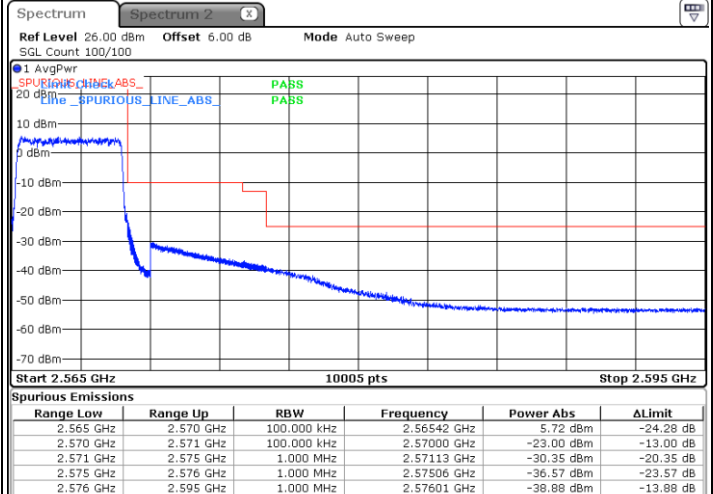
Date: 26.NOV.2021 13:20:42

## Lowest Band Edge / Full RB

## Highest Band Edge / Full RB



Date: 26.NOV.2021 13:15:26



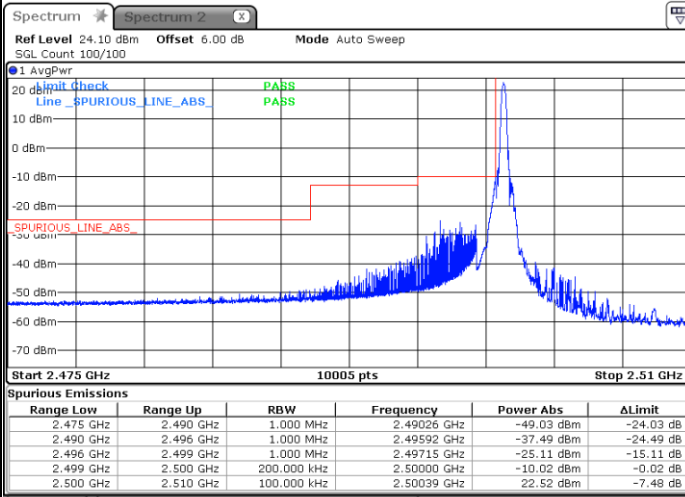
Date: 26.NOV.2021 13:21:13



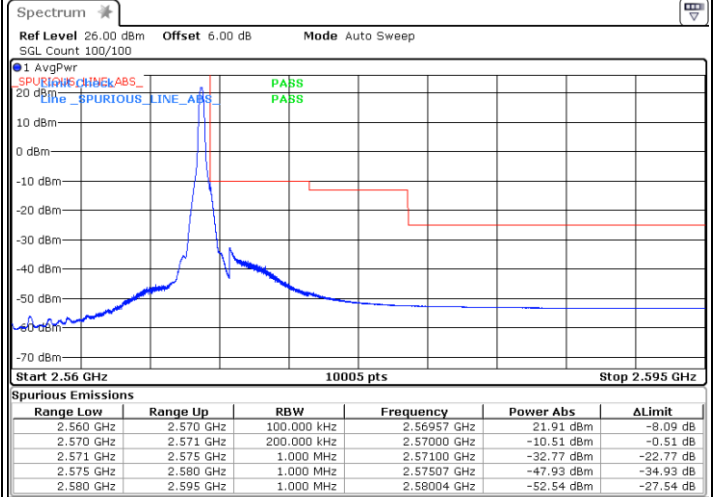
## FR1 n7 / 10MHz / DFT-s-OFDM / PI/2 BPSK

## Lowest Band Edge / 1RB0

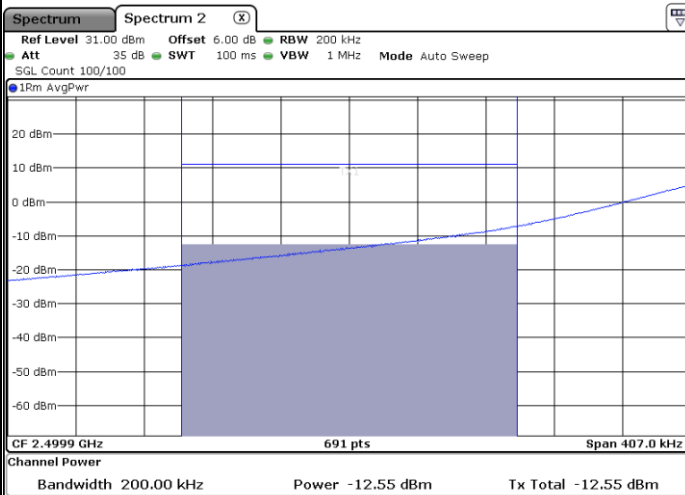
## Highest Band Edge / 1RBMAX



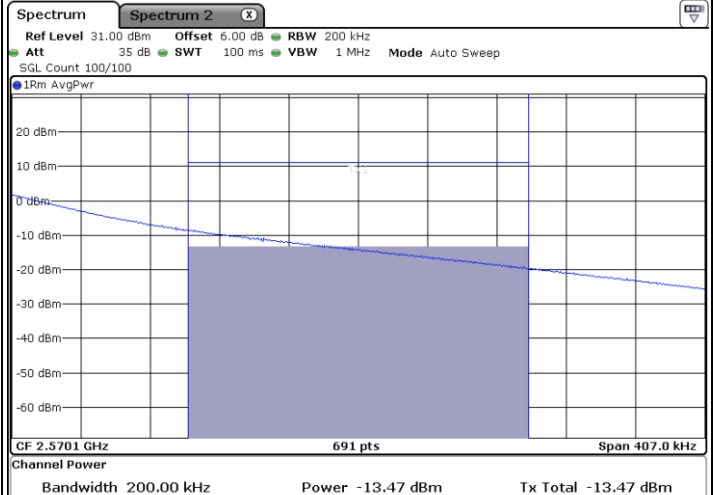
Date: 26.NOV.2021 12:48:22



Date: 26.NOV.2021 10:24:07



Date: 26.NOV.2021 12:50:04



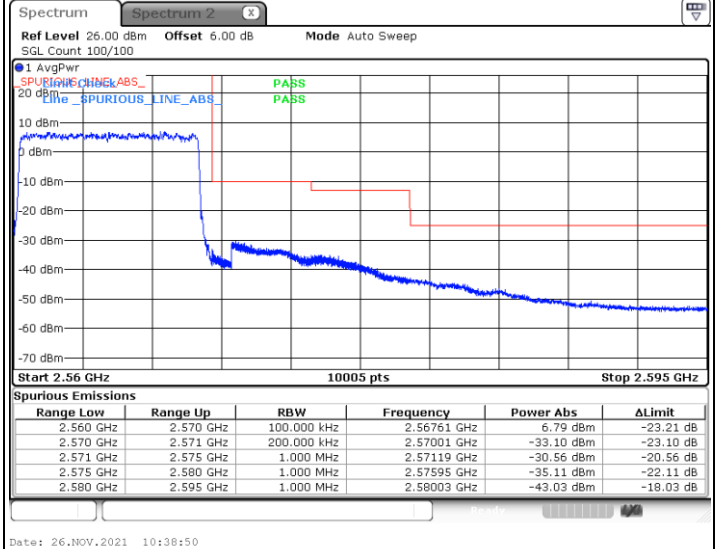
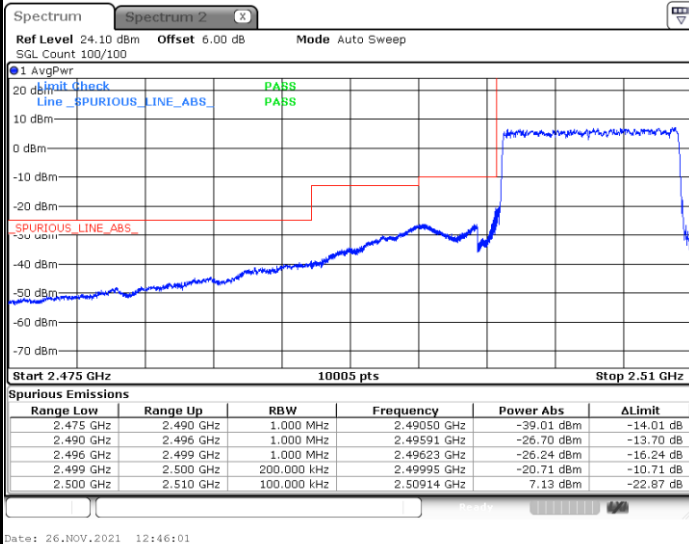
Date: 26.NOV.2021 10:36:31



## FR1 n7 / 10MHz / DFT-s-OFDM / PI/2 BPSK

## Lowest Band Edge / Full RB

## Highest Band Edge / Full RB

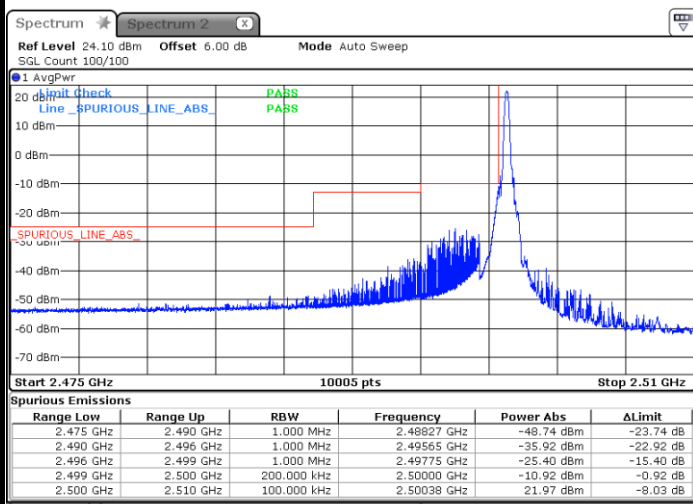




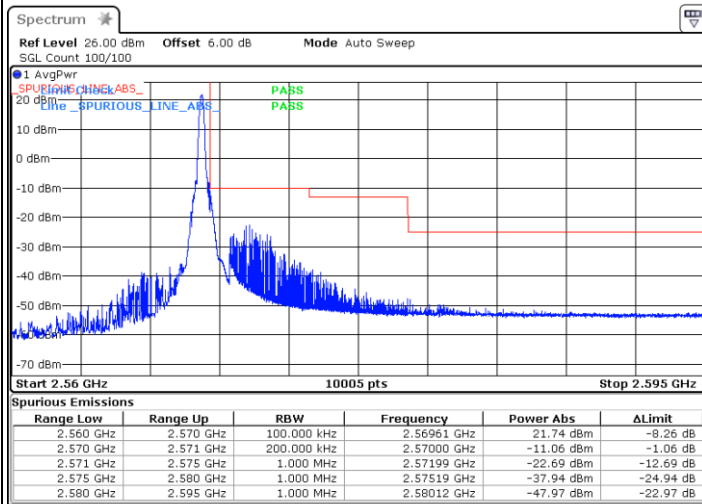
## FR1 n7 / 10MHz / DFT-s-OFDM / QPSK

## Lowest Band Edge / 1RB0

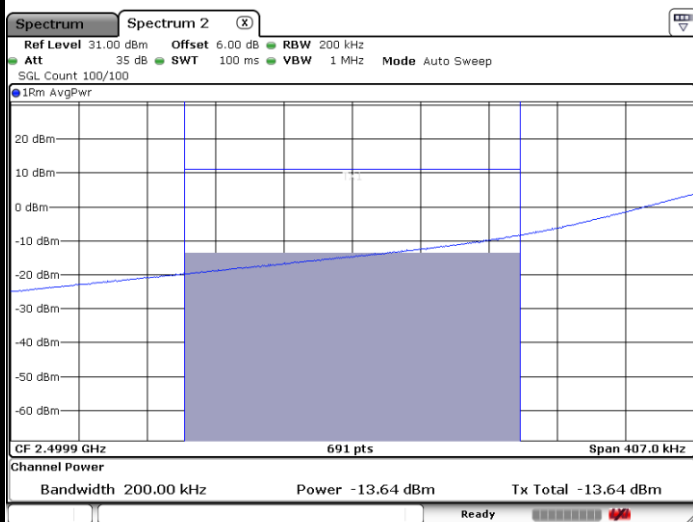
## Highest Band Edge / 1RBMAX



Date: 26.NOV.2021 12:28:21



Date: 26.NOV.2021 09:57:30



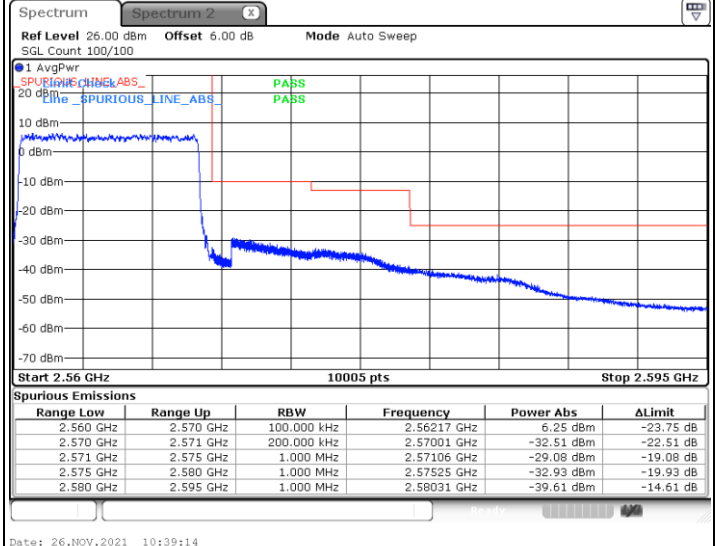
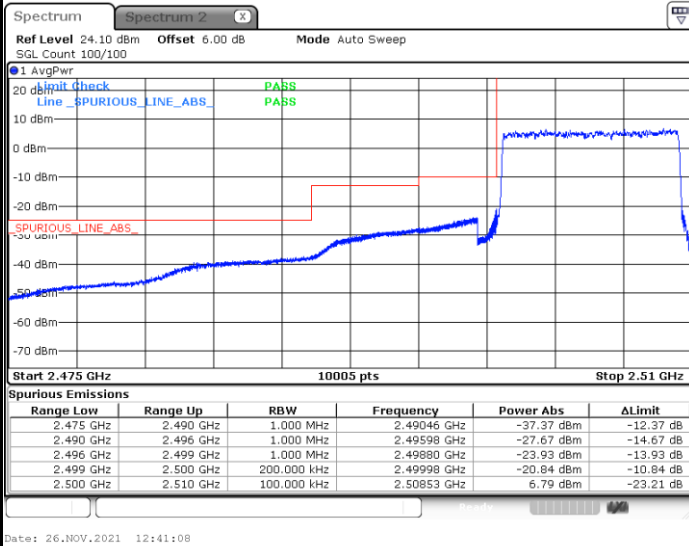
Date: 26.NOV.2021 12:31:00



## FR1 n7 / 10MHz / DFT-s-OFDM / QPSK

## Lowest Band Edge / Full RB

## Highest Band Edge / Full RB

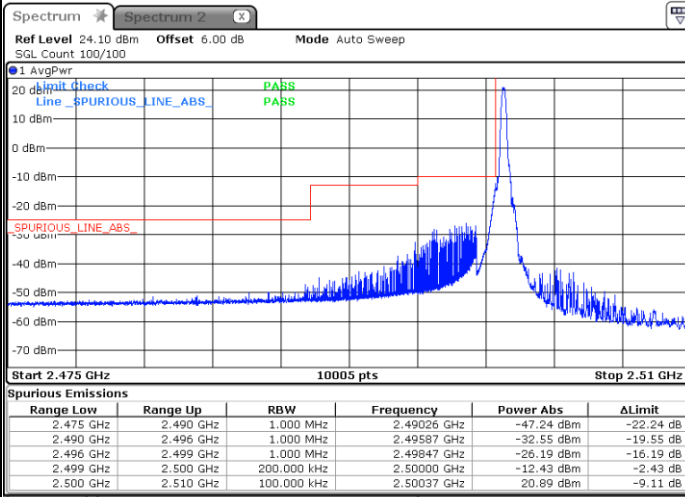




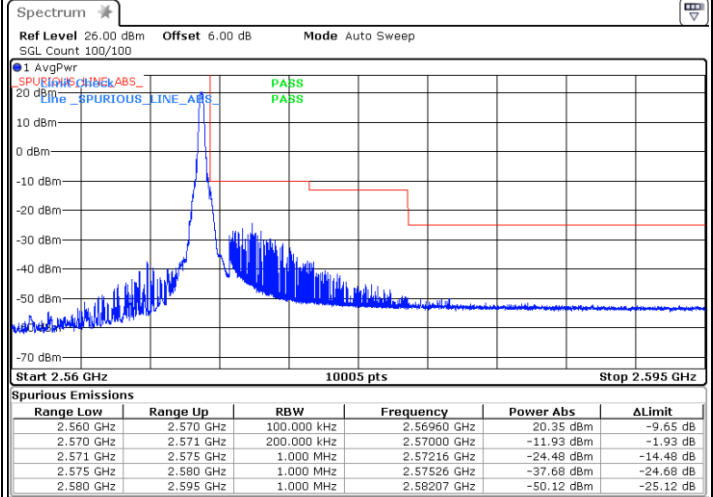
## FR1 n7 / 10MHz / DFT-s-OFDM / 16QAM

## Lowest Band Edge / 1RB0

## Highest Band Edge / 1RBMAX



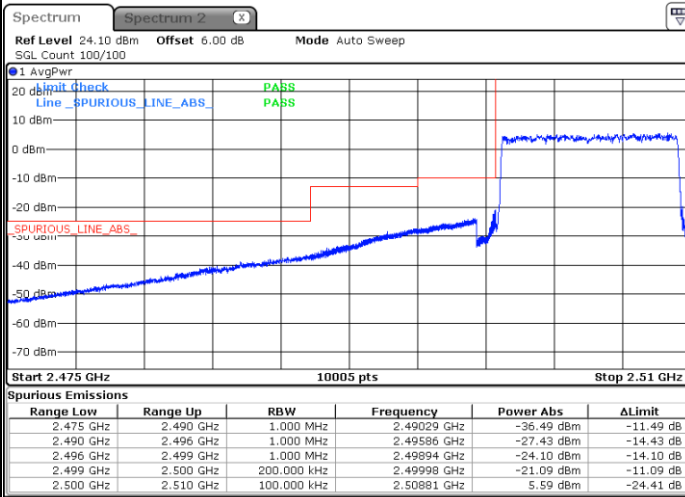
Date: 26.NOV.2021 12:34:29



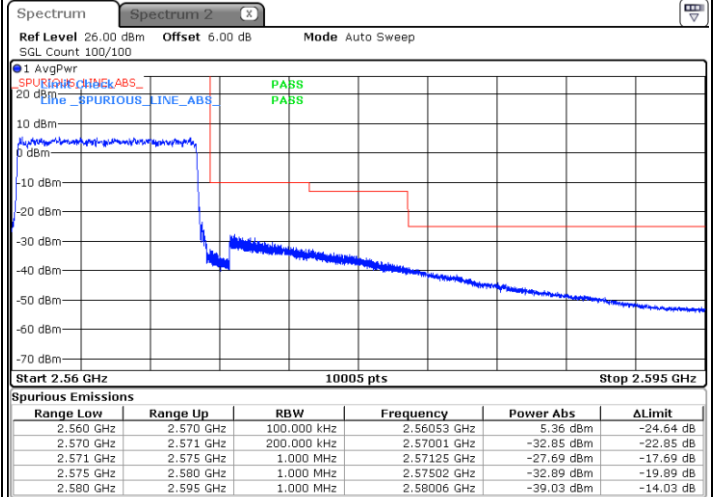
Date: 26.NOV.2021 10:01:11

## Lowest Band Edge / Full RB

## Highest Band Edge / Full RB



Date: 26.NOV.2021 12:40:45



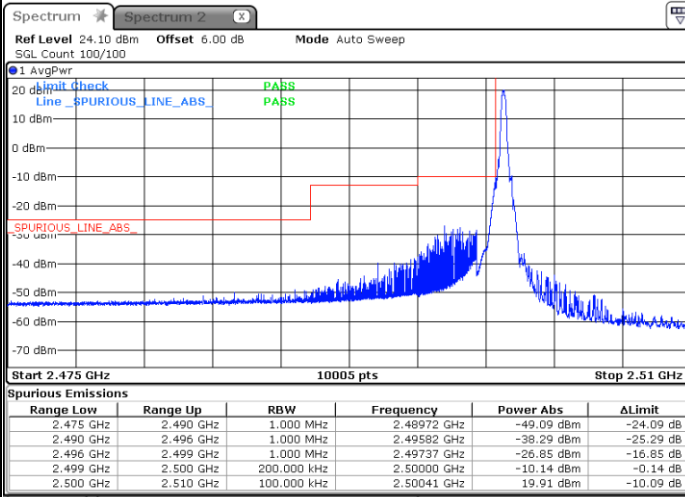
Date: 26.NOV.2021 10:39:54



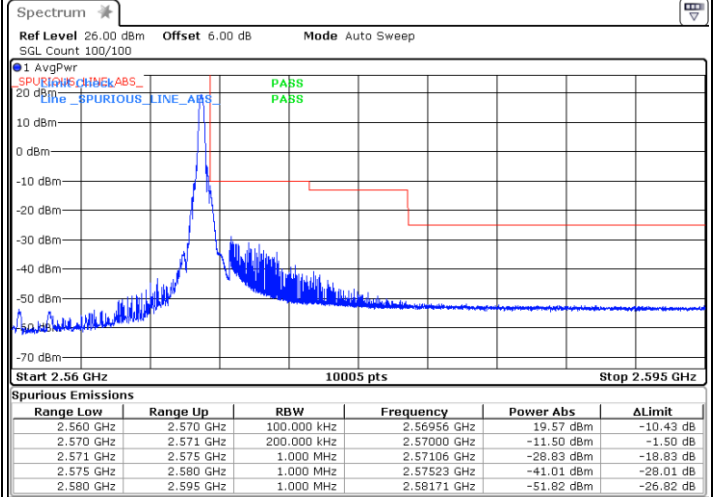
## FR1 n7 / 10MHz / DFT-s-OFDM / 64QAM

## Lowest Band Edge / 1RB0

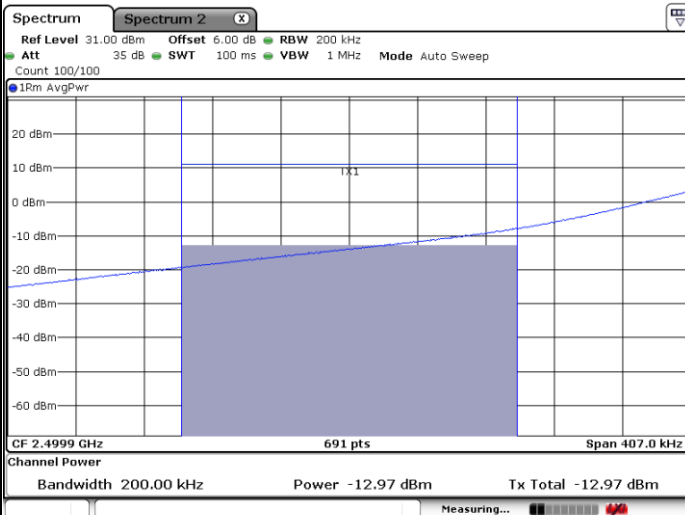
## Highest Band Edge / 1RBMAX



Date: 26.NOV.2021 12:37:04



Date: 26.NOV.2021 10:03:35



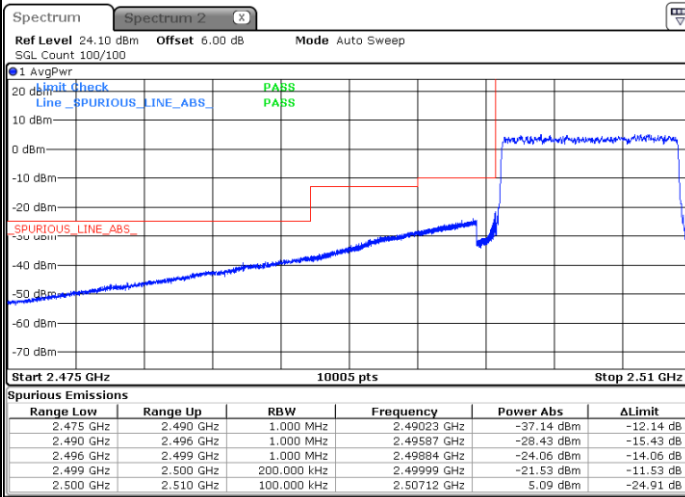
Date: 26.NOV.2021 12:38:51



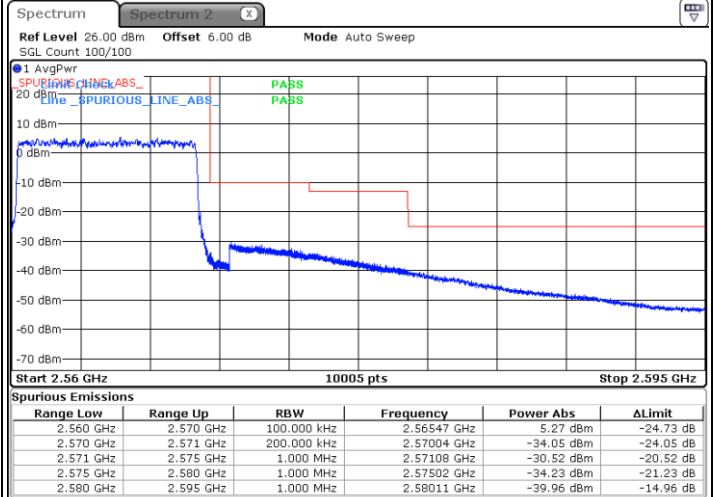
## FR1 n7 / 10MHz / DFT-s-OFDM / 64QAM

## Lowest Band Edge / Full RB

## Highest Band Edge / Full RB



Date: 26.NOV.2021 12:40:21



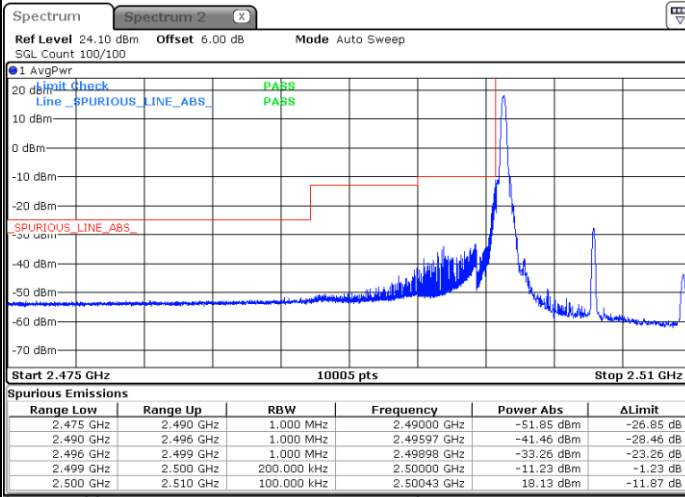
Date: 26.NOV.2021 10:40:37



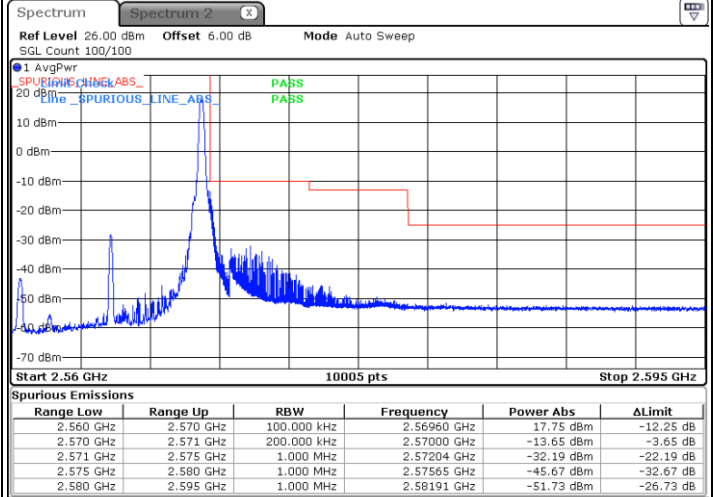
## FR1 n7 / 10MHz / DFT-s-OFDM / 256QAM

## Lowest Band Edge / 1RB0

## Highest Band Edge / 1RBMAX



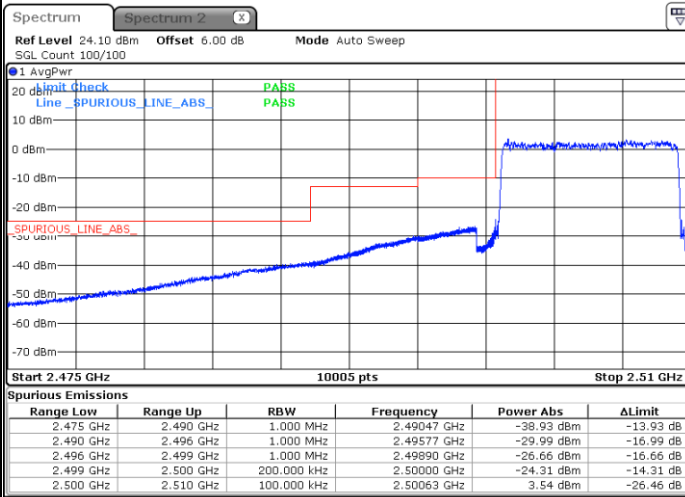
Date: 26.NOV.2021 12:39:34



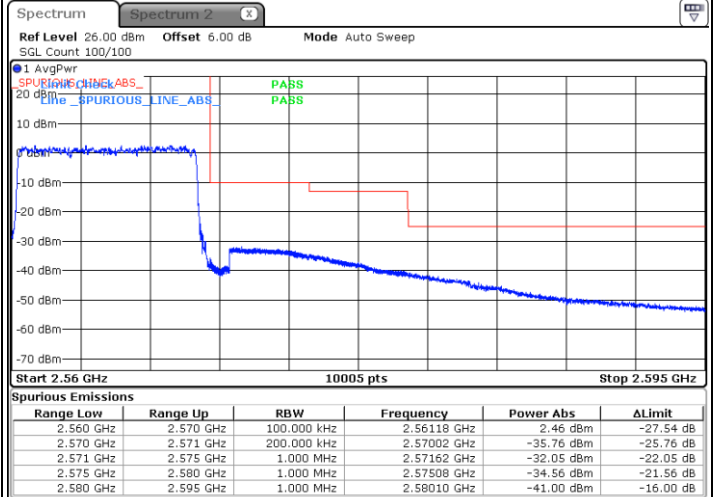
Date: 26.NOV.2021 12:18:51

## Lowest Band Edge / Full RB

## Highest Band Edge / Full RB



Date: 26.NOV.2021 12:40:00



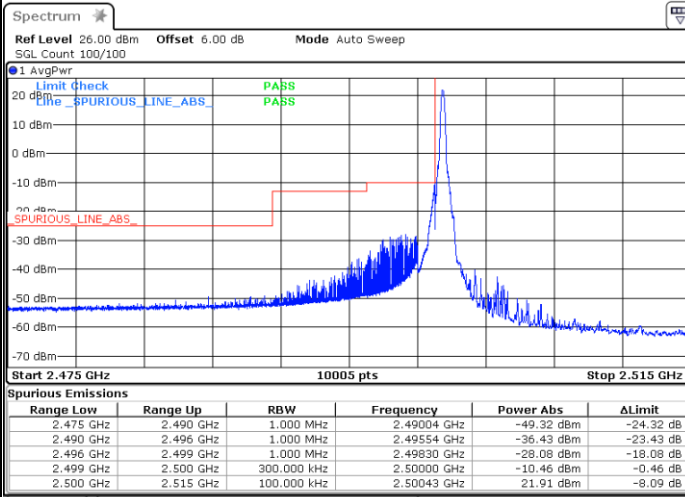
Date: 26.NOV.2021 12:18:19



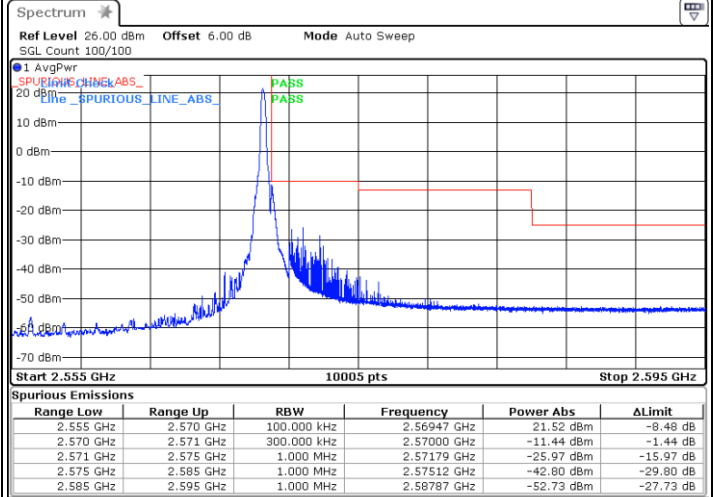
## FR1 n7 / 15MHz / DFT-s-OFDM / PI/2 BPSK

## Lowest Band Edge / 1RB0

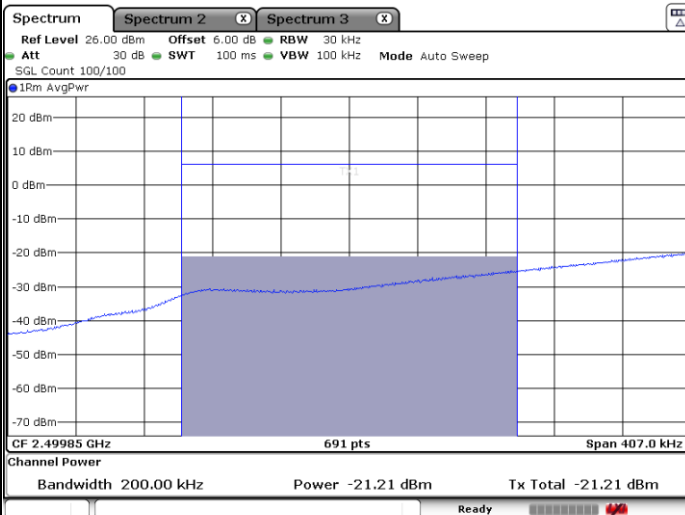
## Highest Band Edge / 1RBMAX



Date: 25.NOV.2021 03:22:19



Date: 25.NOV.2021 03:36:06

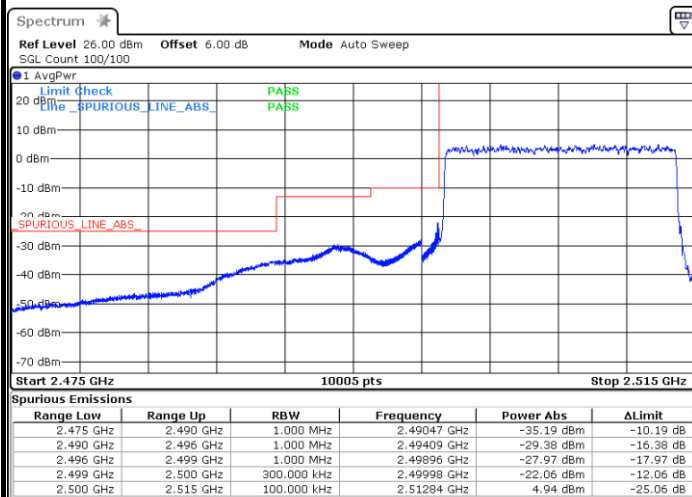


Date: 26.NOV.2021 02:37:49



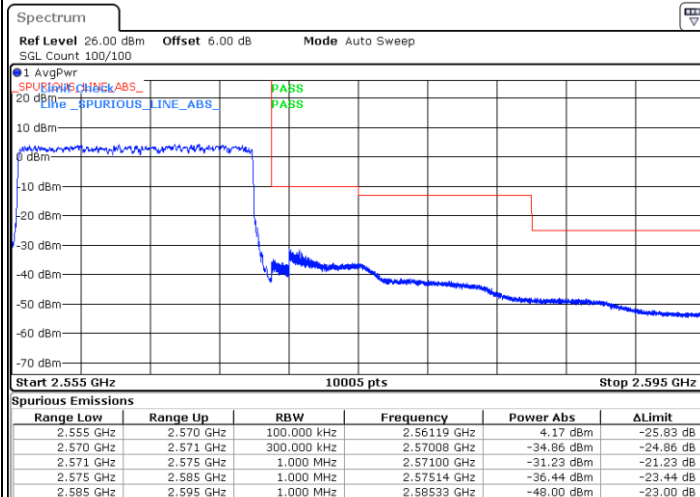
## FR1 n7 / 15MHz / DFT-s-OFDM / PI/2 BPSK

## Lowest Band Edge / Full RB



Date: 25.NOV.2021 03:29:03

## Highest Band Edge / Full RB



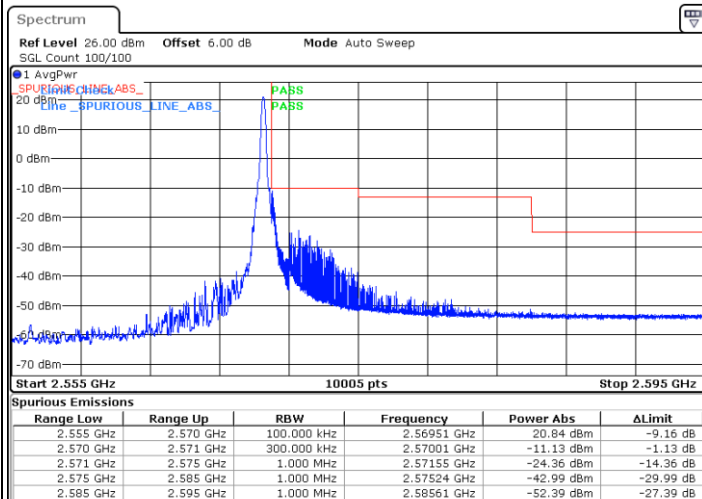
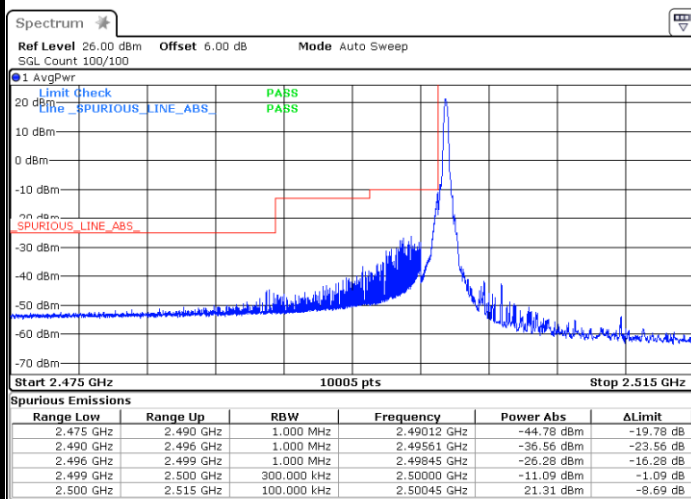
Date: 25.NOV.2021 03:43:24



## FR1 n7 / 15MHz / DFT-s-OFDM / QPSK

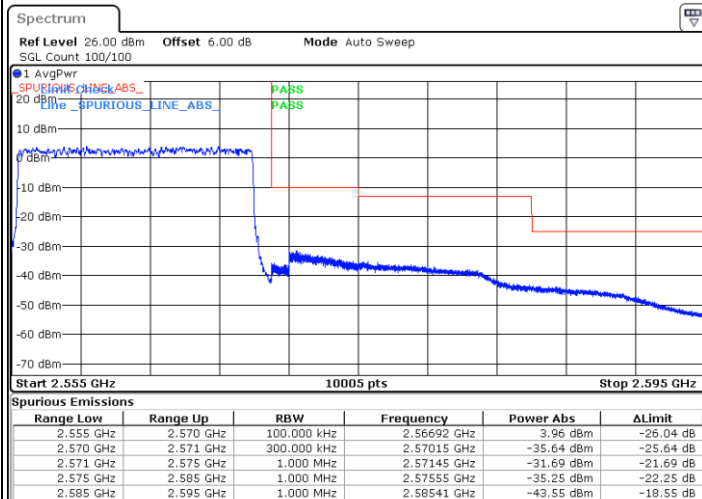
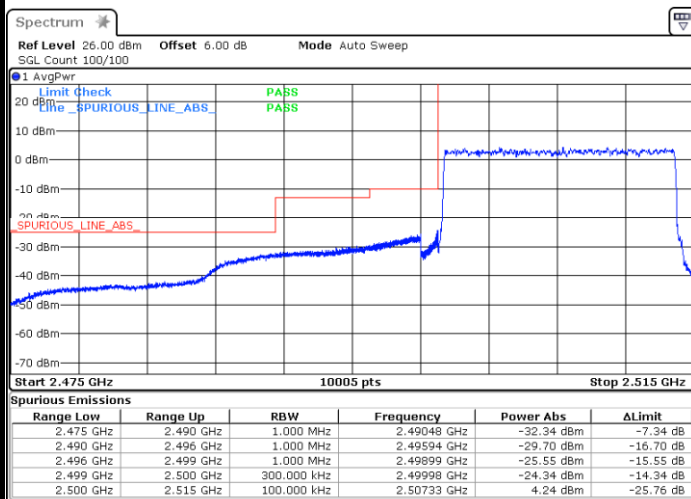
## Lowest Band Edge / 1RB0

## Highest Band Edge / 1RBMAX



## Lowest Band Edge / Full RB

## Highest Band Edge / Full RB

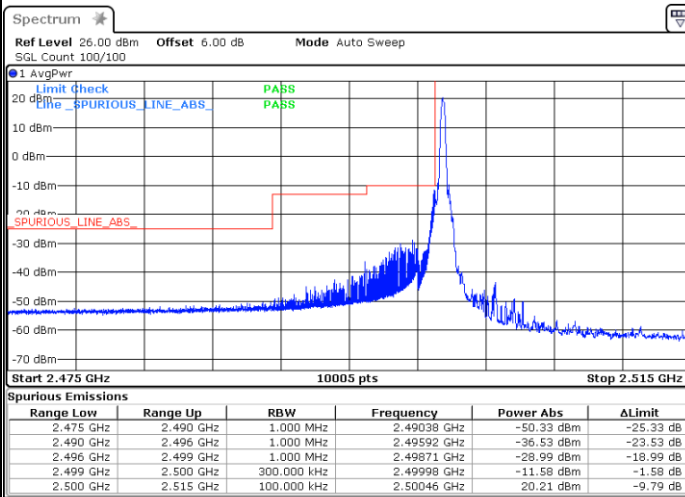




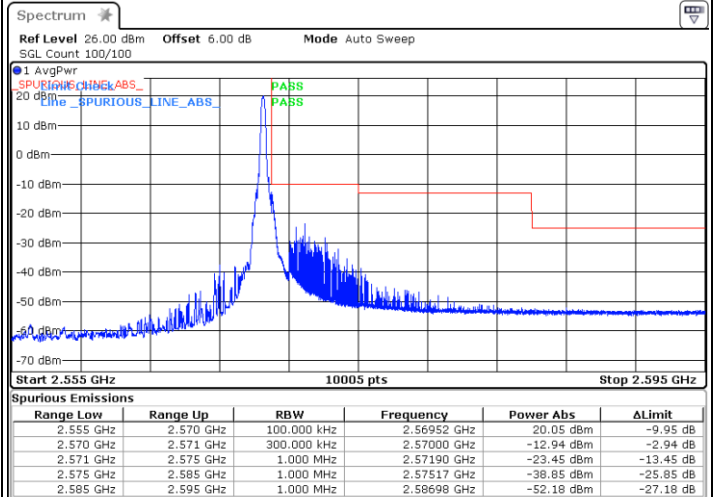
## FR1 n7 / 15MHz / DFT-s-OFDM / 16QAM

## Lowest Band Edge / 1RB0

## Highest Band Edge / 1RBMAX



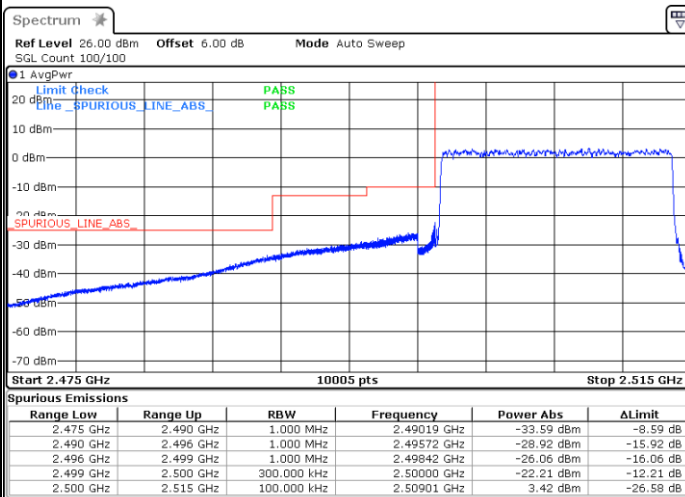
Date: 25.NOV.2021 03:22:56



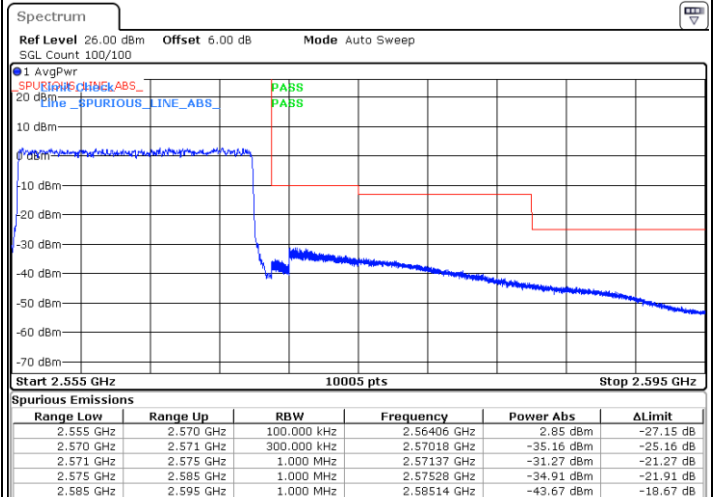
Date: 25.NOV.2021 03:37:00

## Lowest Band Edge / Full RB

## Highest Band Edge / Full RB



Date: 25.NOV.2021 03:27:04



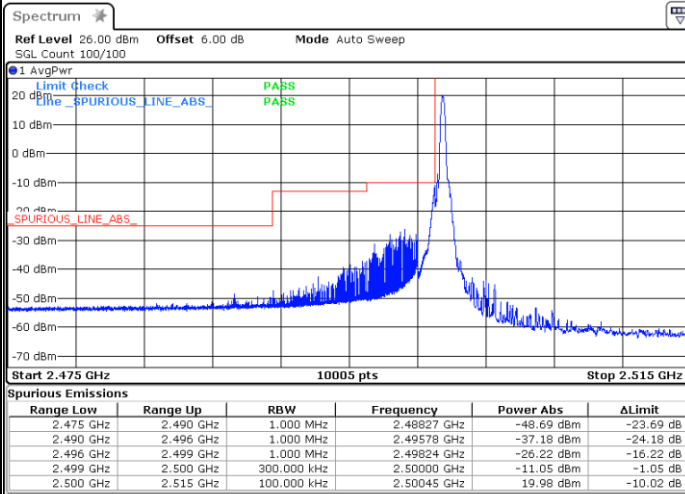
Date: 25.NOV.2021 03:40:50



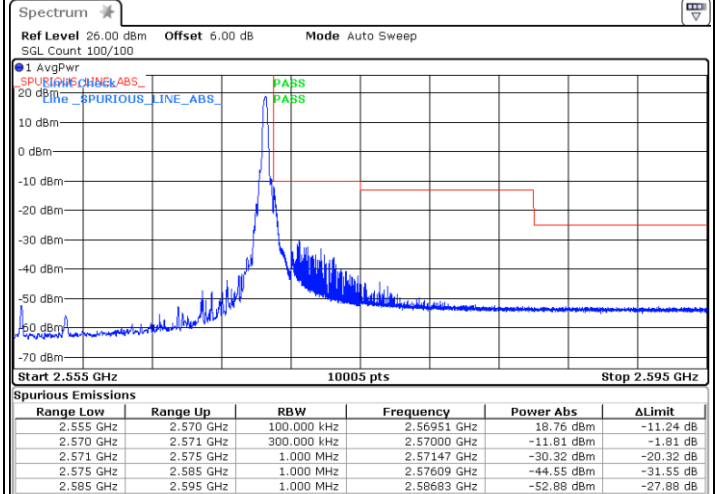
## FR1 n7 / 15MHz / DFT-s-OFDM / 64QAM

## Lowest Band Edge / 1RB0

## Highest Band Edge / 1RBMAX



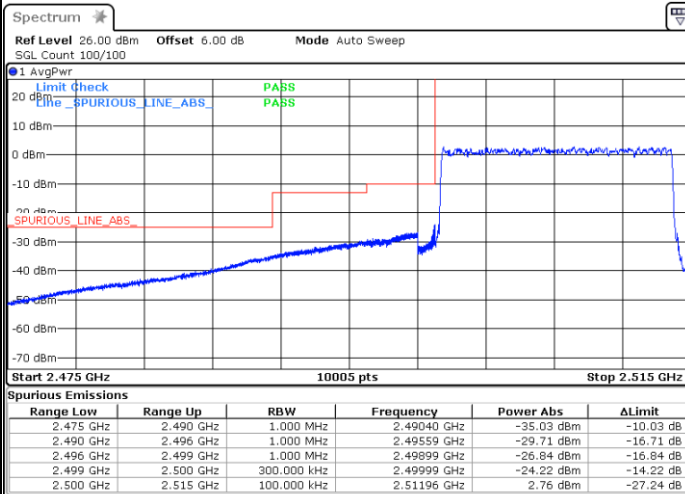
Date: 25.NOV.2021 03:24:28



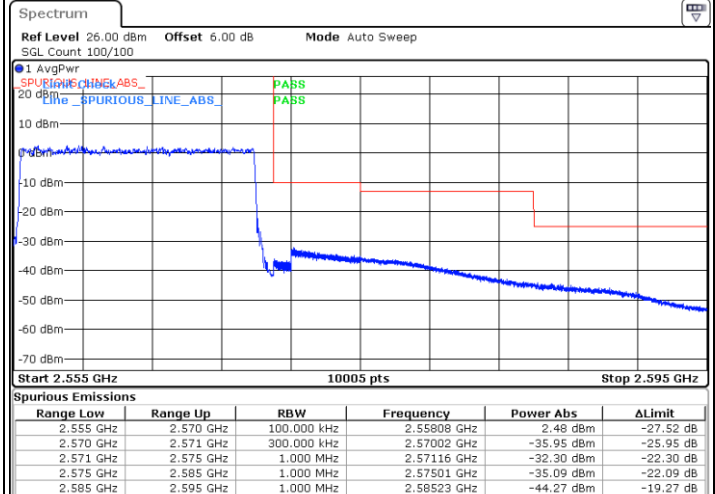
Date: 25.NOV.2021 03:38:00

## Lowest Band Edge / Full RB

## Highest Band Edge / Full RB



Date: 25.NOV.2021 03:26:36



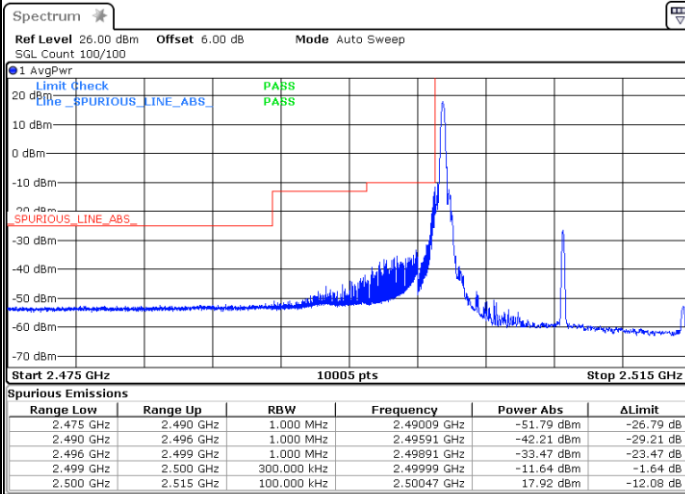
Date: 25.NOV.2021 03:40:20



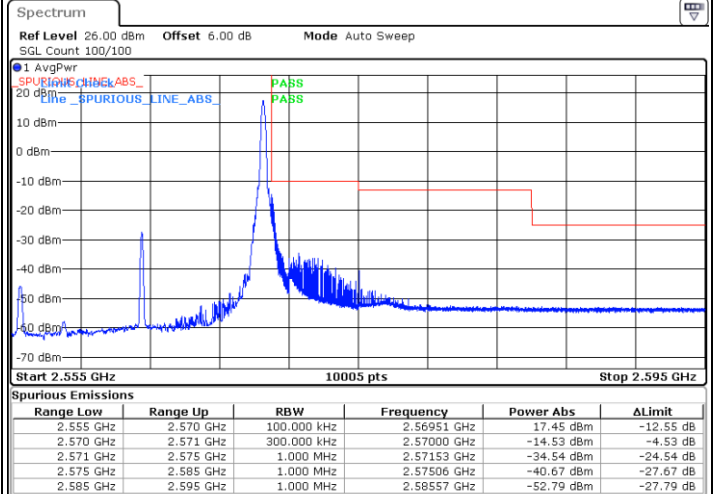
## FR1 n7 / 15MHz / DFT-s-OFDM / 256QAM

## Lowest Band Edge / 1RB0

## Highest Band Edge / 1RBMAX



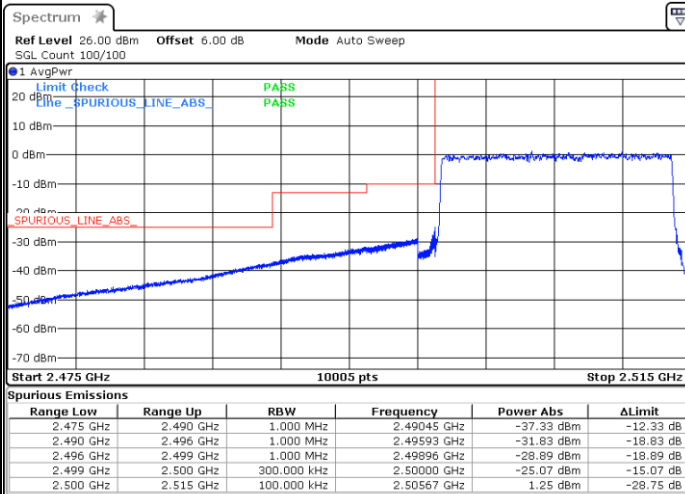
Date: 25.NOV.2021 03:25:37



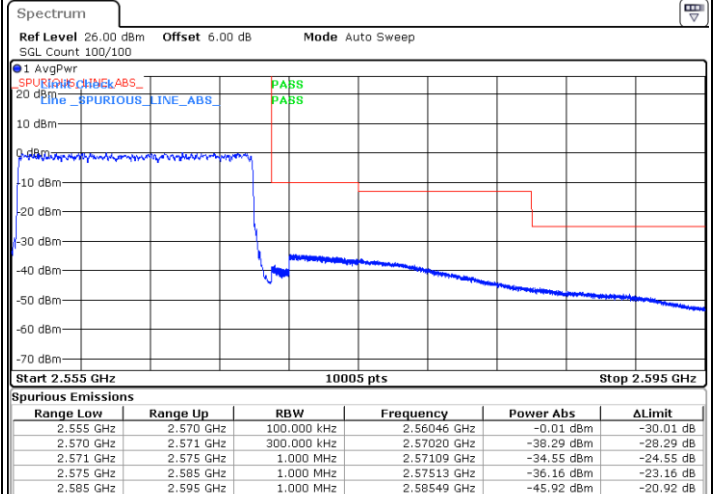
Date: 25.NOV.2021 03:39:22

## Lowest Band Edge / Full RB

## Highest Band Edge / Full RB



Date: 25.NOV.2021 03:26:10



Date: 25.NOV.2021 03:39:59