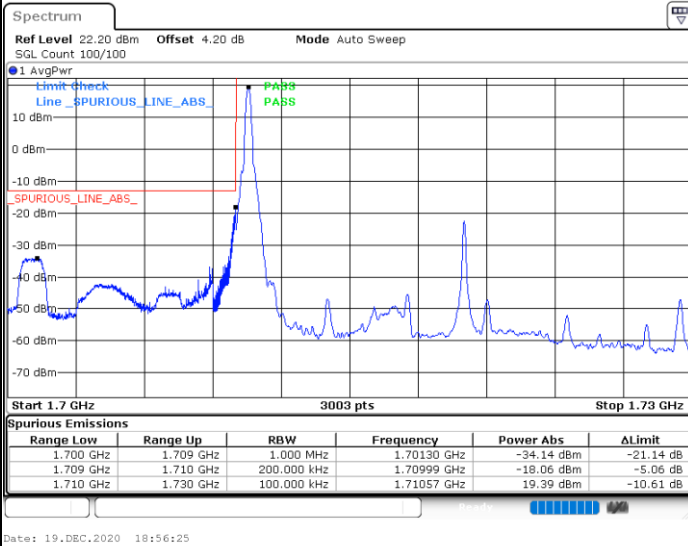




## FR1 n66+2A / 20MHz / DFT-S OFDM QPSK

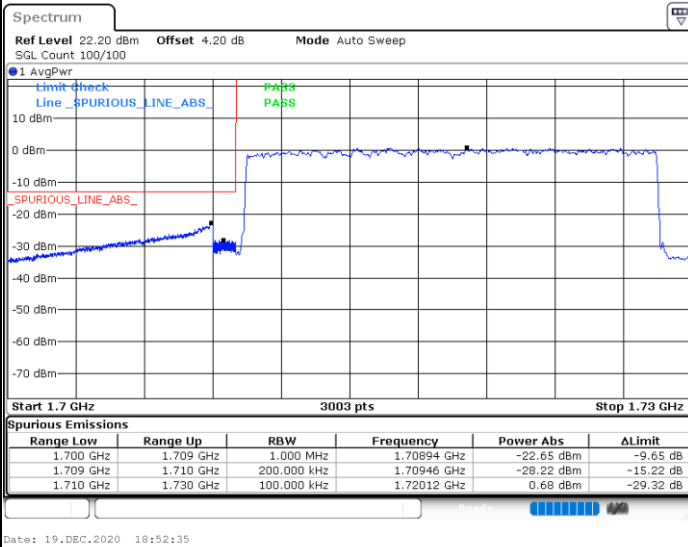
## Lowest Band Edge / 1 RB

## Channel Power &lt; -13dBm Pass



## Lowest Band Edge / Full RB

## Channel Power &lt; -13dBm Pass

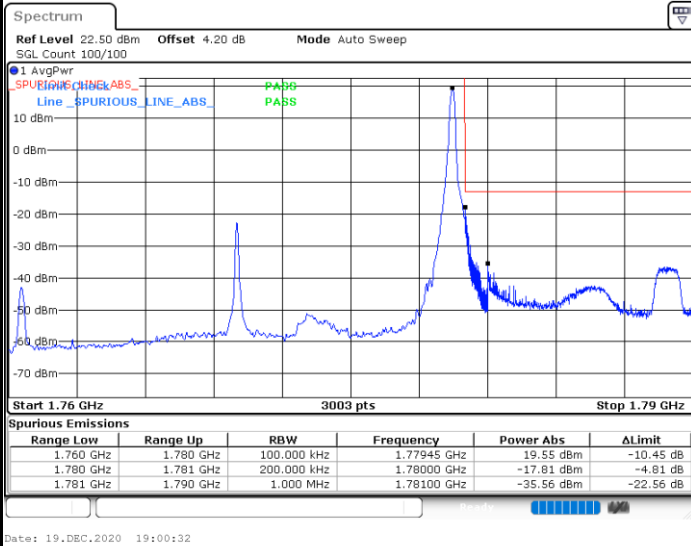




## FR1 n66+2A / 20MHz / DFT-S OFDM QPSK

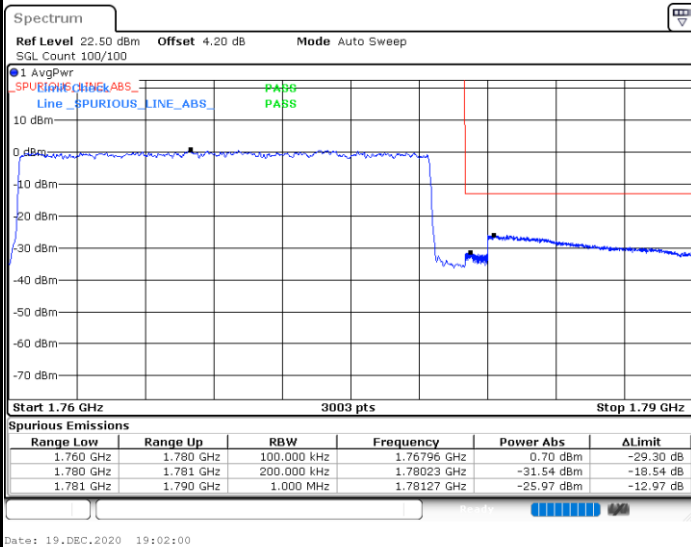
## Highest Band Edge / 1 RB

## Channel Power &lt; -13dBm Pass



## Highest Band Edge / Full RB

## Channel Power &lt; -13dBm Pass



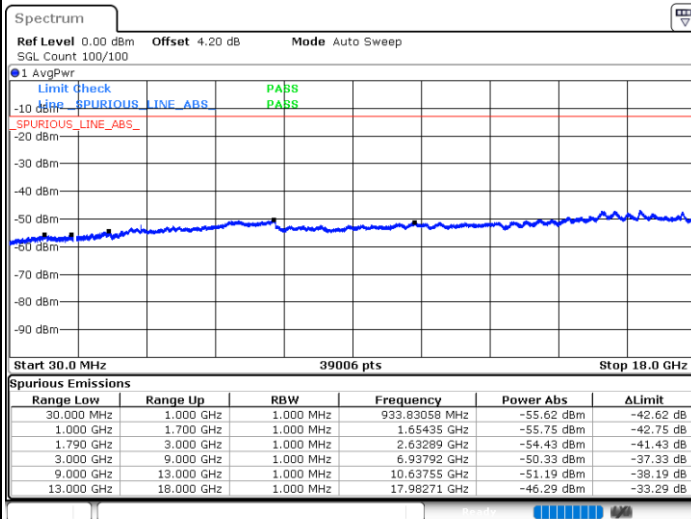


# Conducted Spurious Emission

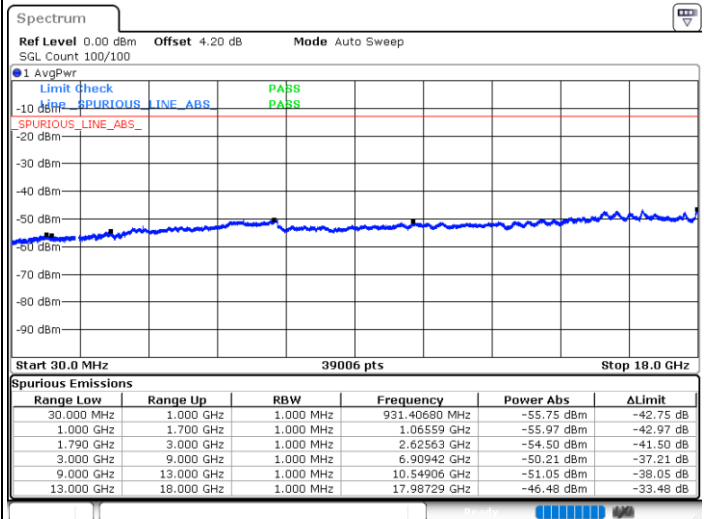
FR1 n66+2A / 5MHz / DFT-S OFDM / BPSK

Lowest Channel / 1RB

Middle Channel / 1RB

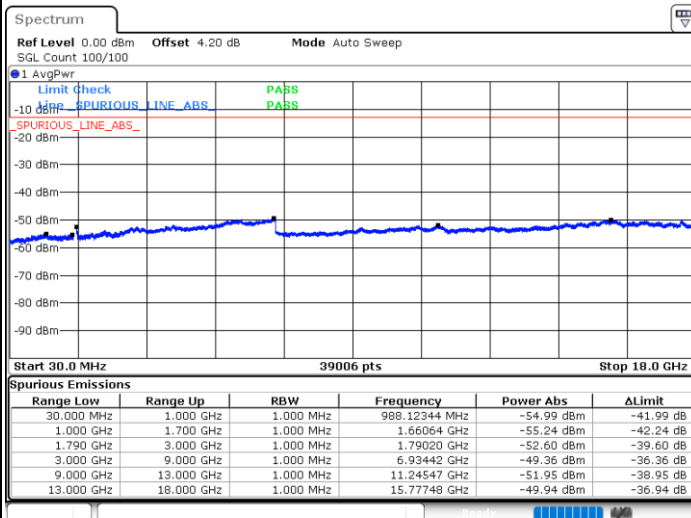


Date: 19.DEC.2020 21:09:45



Date: 19.DEC.2020 21:14:12

Highest Channel / 1RB



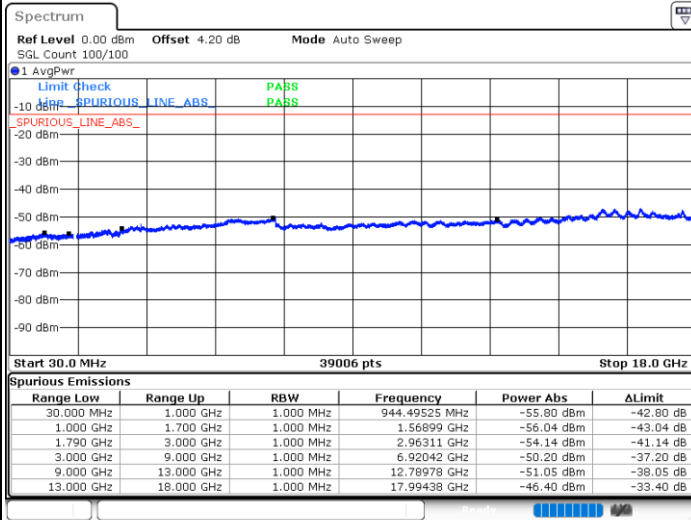
Date: 31.DEC.2020 10:41:58



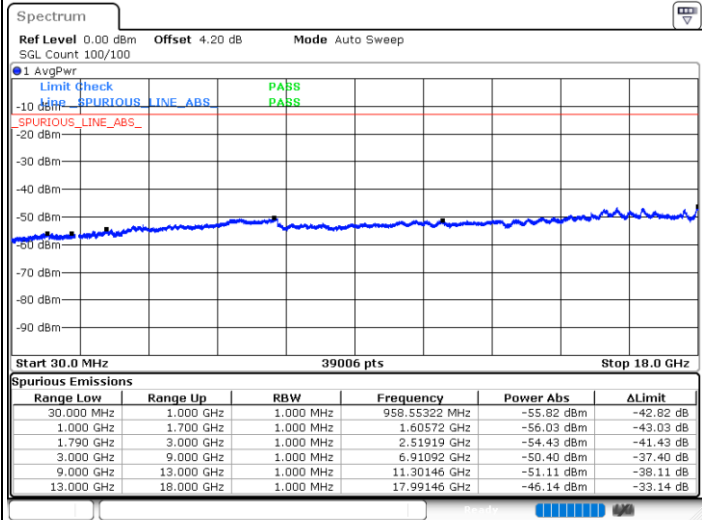
## FR1 n66+2A / 5MHz / DFT-S OFDM / QPSK

## Lowest Channel / 1RB

## Middle Channel / 1RB

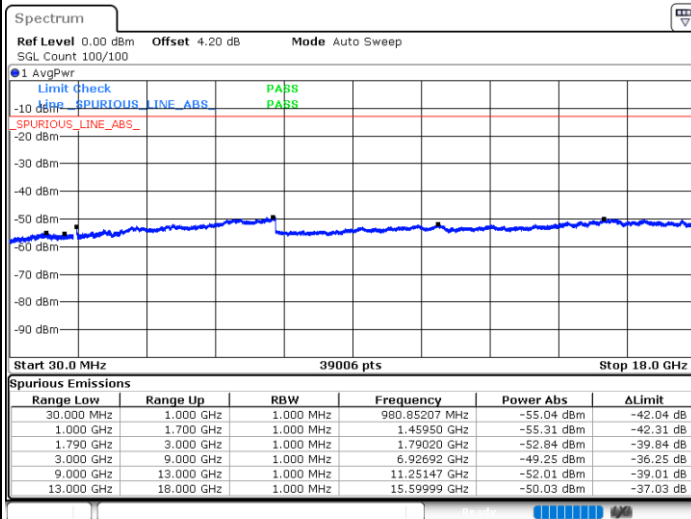


Date: 19.DEC.2020 21:11:28



Date: 19.DEC.2020 21:13:25

## Highest Channel / 1RB



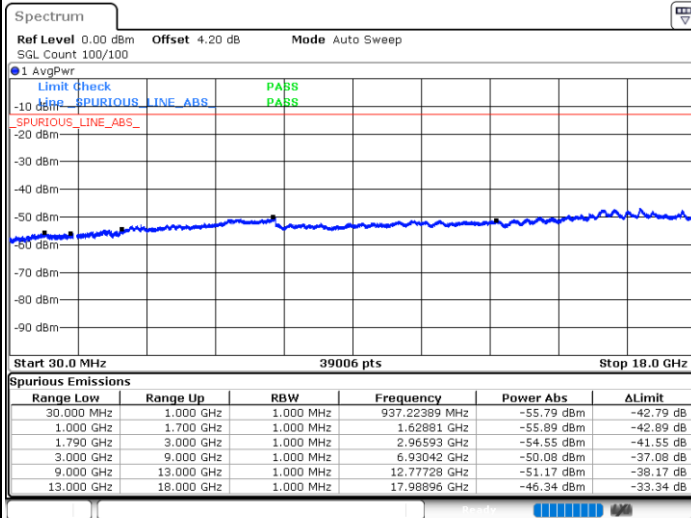
Date: 31.DEC.2020 10:43:43



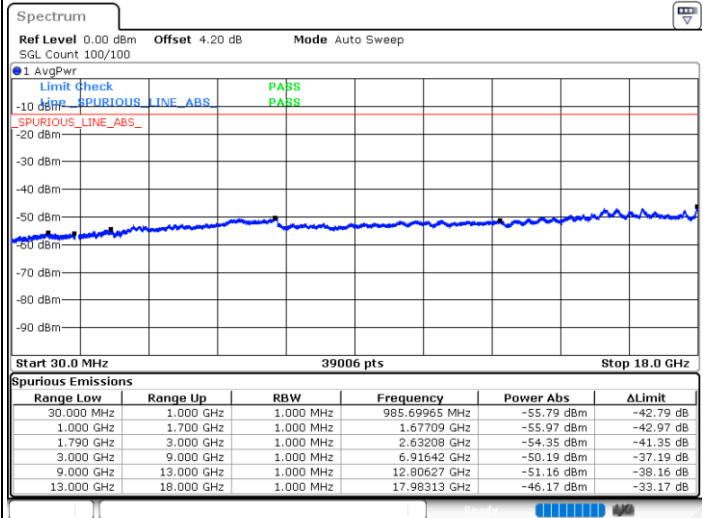
## FR1 n66+2A / 10MHz / DFT-S OFDM / BPSK

## Lowest Channel / 1RB

## Middle Channel / 1RB

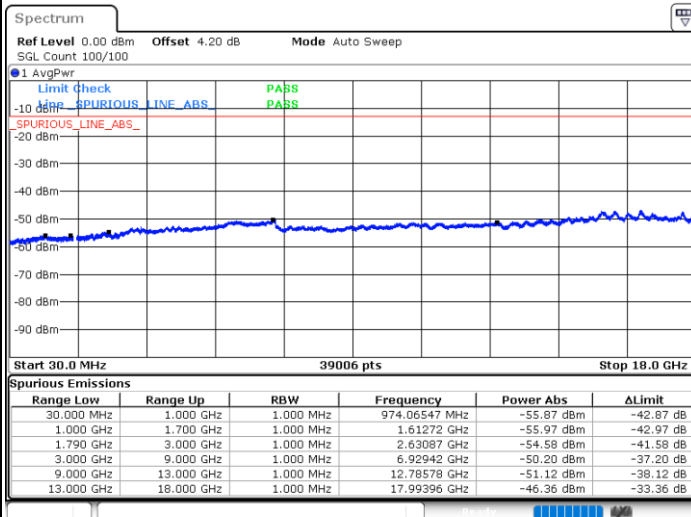


Date: 19.DEC.2020 21:08:12



Date: 19.DEC.2020 21:03:01

## Highest Channel / 1RB



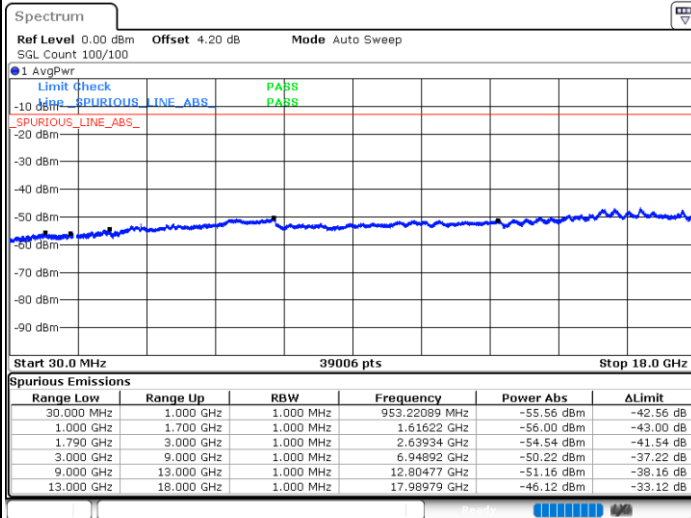
Date: 19.DEC.2020 21:02:23



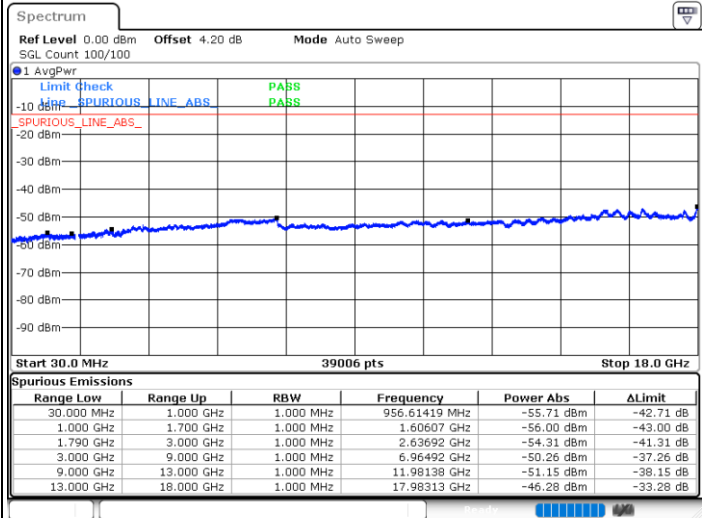
## FR1 n66+2A / 10MHz / DFT-S OFDM / QPSK

## Lowest Channel / 1RB

## Middle Channel / 1RB

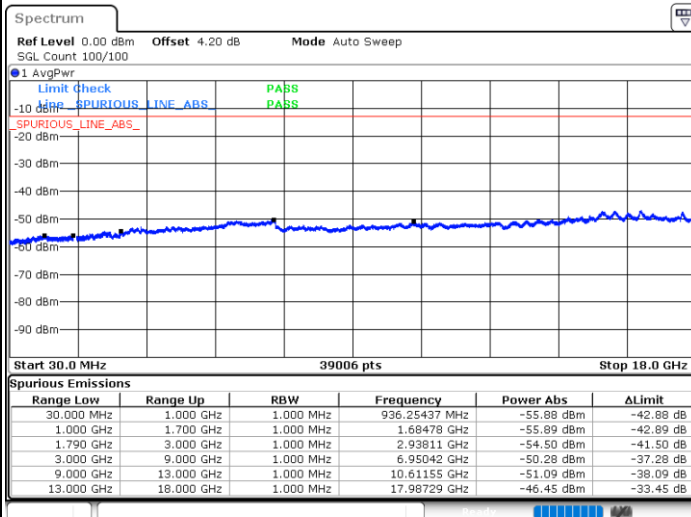


Date: 19.DEC.2020 21:07:20



Date: 19.DEC.2020 21:06:39

## Highest Channel / 1RB

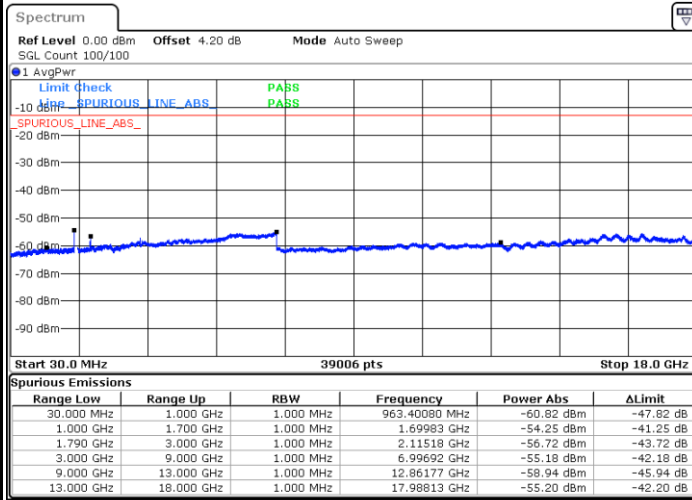


Date: 19.DEC.2020 20:59:54



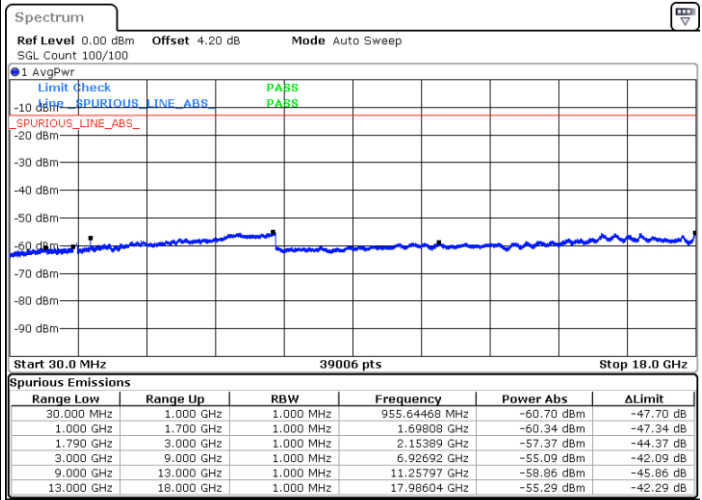
## FR1 n66+2A / 20MHz / DFT-S OFDM / BPSK

## Lowest Channel / 1RB



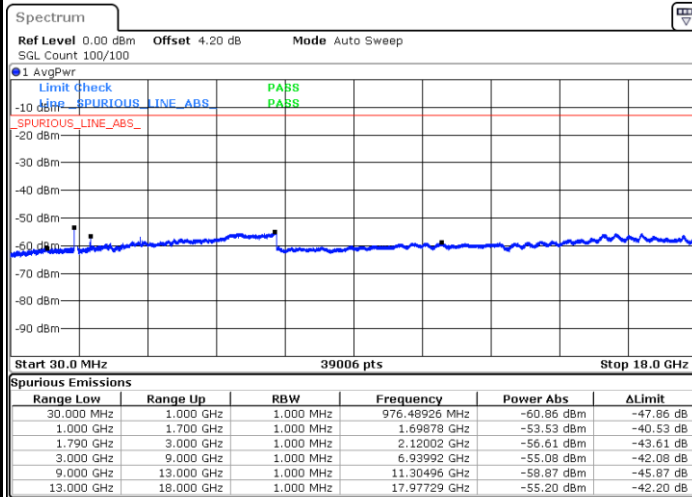
Date: 19.DEC.2020 18:48:47

## Middle Channel / 1RB



Date: 19.DEC.2020 18:30:56

## Highest Channel / 1RB

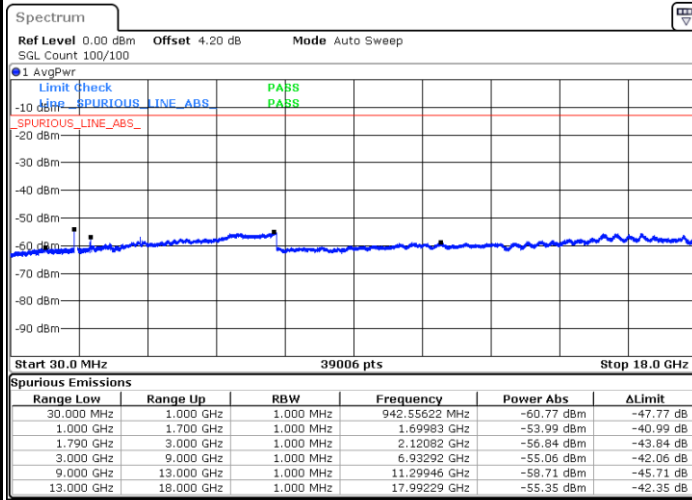


Date: 19.DEC.2020 18:36:23



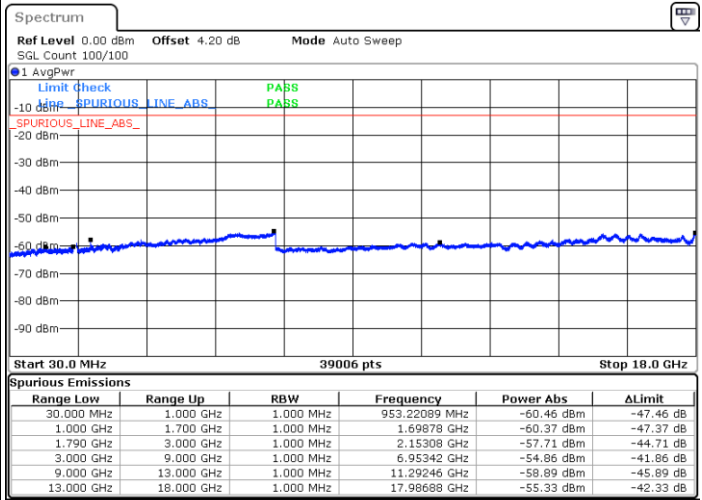
## FR1 n66+2A / 20MHz / DFT-S OFDM / QPSK

## Lowest Channel / 1RB



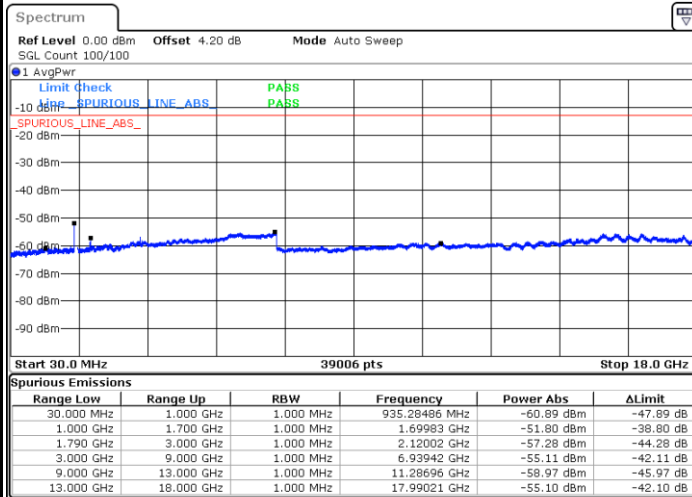
Date: 19.DEC.2020 18:47:42

## Middle Channel / 1RB



Date: 19.DEC.2020 18:28:21

## Highest Channel / 1RB



Date: 19.DEC.2020 18:39:36

**Frequency Stability**

| Test Conditions  |                   | NR n66+2A (BPSK) / Middle Channel | Limit       |
|------------------|-------------------|-----------------------------------|-------------|
| Temperature (°C) | Voltage (Volt)    | BW 20MHz                          | Within Band |
|                  |                   | Deviation (ppm)                   | Result      |
| 50               | Normal Voltage    | 0.0014                            | PASS        |
| 40               | Normal Voltage    | 0.0021                            |             |
| 30               | Normal Voltage    | 0.0012                            |             |
| 20(Ref.)         | Normal Voltage    | 0.0013                            |             |
| 10               | Normal Voltage    | 0.0018                            |             |
| 0                | Normal Voltage    | 0.0017                            |             |
| -10              | Normal Voltage    | 0.0015                            |             |
| -20              | Normal Voltage    | 0.0016                            |             |
| -30              | Normal Voltage    | 0.0022                            |             |
| 20               | Maximum Voltage   | 0.0019                            |             |
| 20               | Normal Voltage    | 0.0024                            |             |
| 20               | Battery End Point | 0.0025                            |             |

**Note:**

1. Normal Voltage =7.74 V. ; Battery End Point (BEP) =7.2 V. ; Maximum Voltage =8.9 V.
2. Note: The frequency fundamental emissions stay within the authorized frequency block.



SA

**Peak-to-Average Ratio**

| Mode       | FR1 n66 / 20MHz / DFT-S OFDM |           |      |         |             |
|------------|------------------------------|-----------|------|---------|-------------|
| Mod.       | PI/2 BPSK                    | PI/2 BPSK | QPSK | QPSK    | Limit: 13dB |
| RB Size    | 1RB                          | Full RB   | 1RB  | Full RB | Result      |
| Lowest CH  | 4.09                         | 5.04      | 5.42 | 5.04    | PASS        |
| Middle CH  | 3.8                          | 3.54      | 5.45 | 5.07    |             |
| Highest CH | 3.91                         | 3.48      | 5.94 | 5.07    |             |



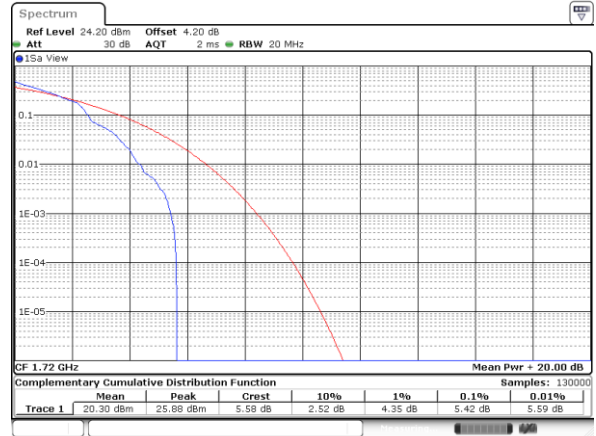
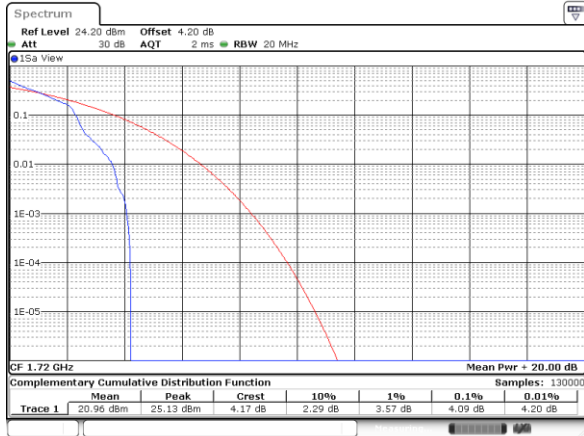
## FR1 n66 / 20MHz / DFT-S OFDM

## PI/2 BPSK

## QPSK

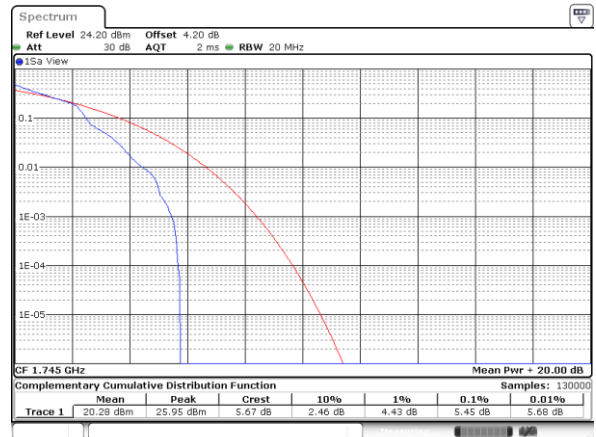
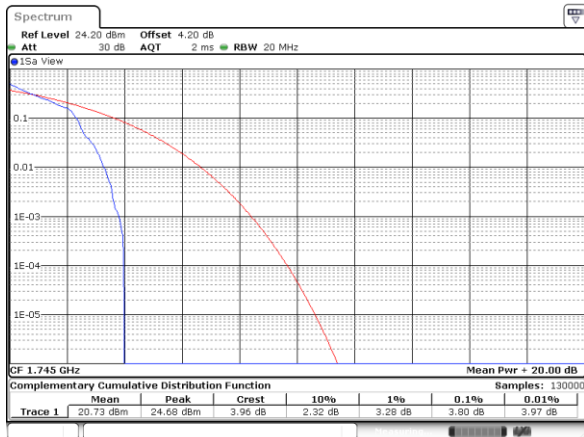
## Lowest Channel / 1RB

## Lowest Channel / 1RB



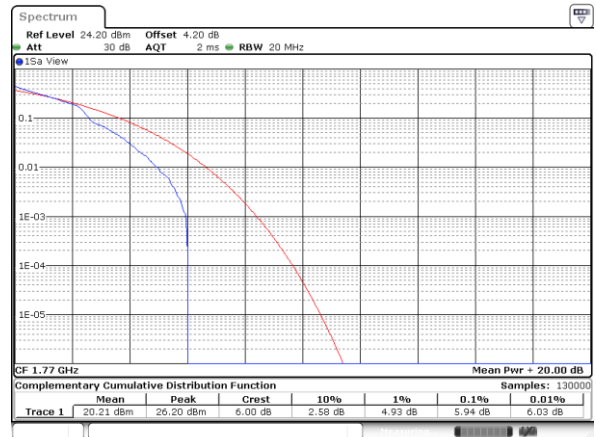
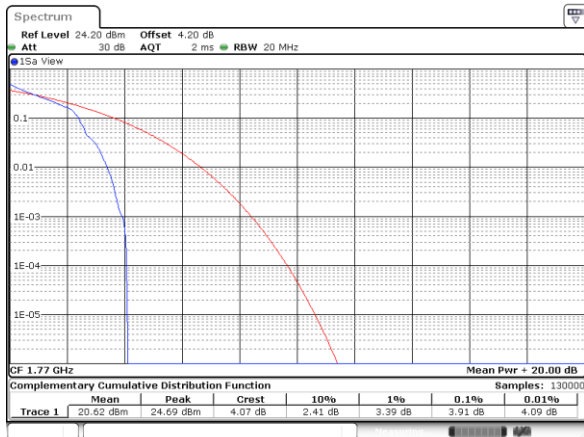
## Middle Channel / 1 RB

## Middle Channel / 1 RB



## Highest Channel / 1 RB

## Highest Channel / 1 RB





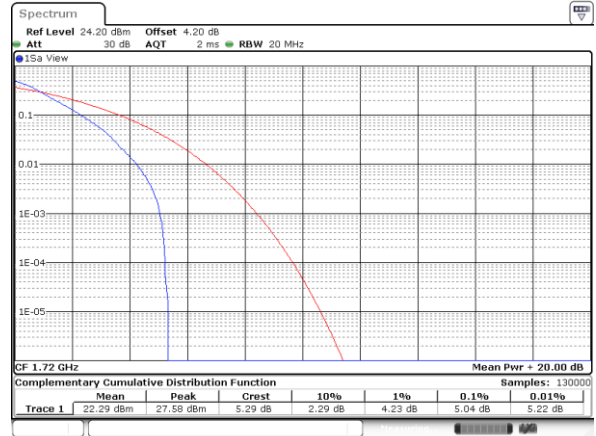
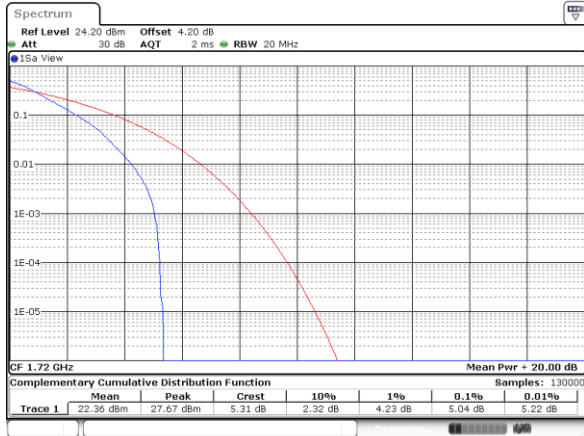
## FR1 n66 / 20MHz / DFT-S OFDM

## PI/2 BPSK

## QPSK

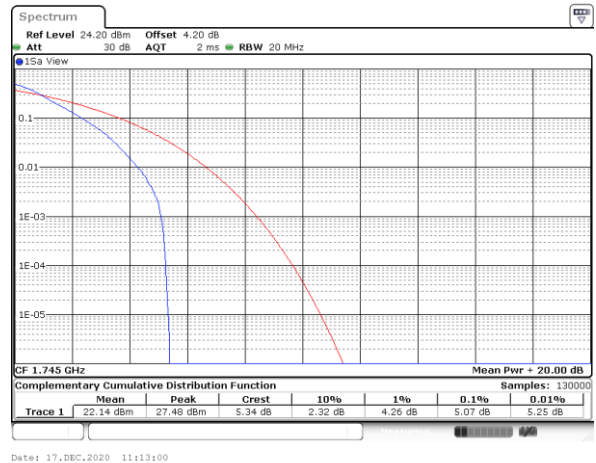
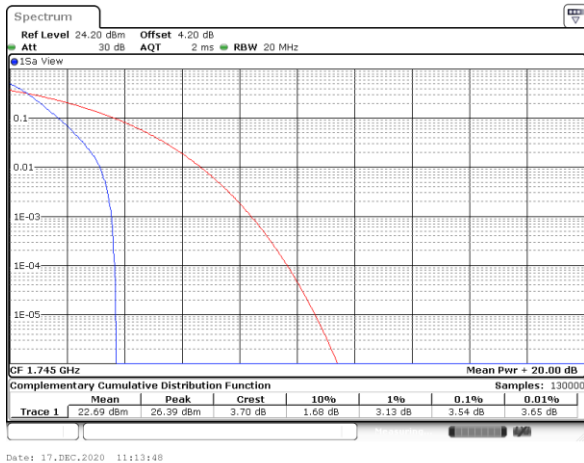
## Lowest Channel / Full RB

## Lowest Channel / Full RB



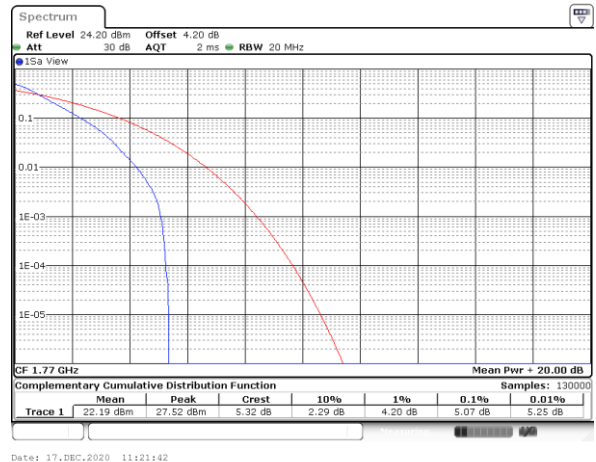
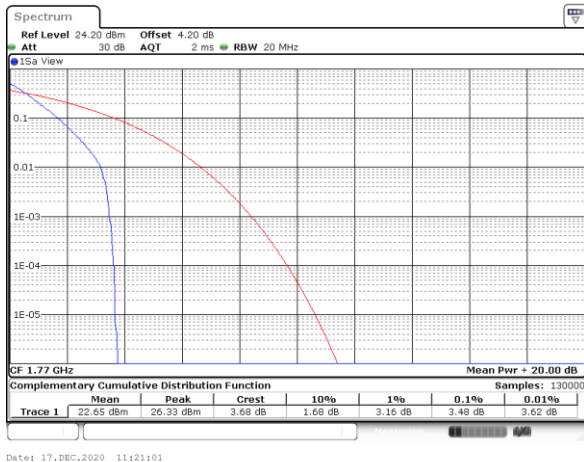
## Middle Channel / Full RB

## Middle Channel / Full RB



## Highest Channel / Full RB

## Highest Channel / Full RB



**26dB Bandwidth**

| Mode      | FR1 n66 : 26dB BW(MHz) / CP-OFDM |       |       |        |  |  |  |  |
|-----------|----------------------------------|-------|-------|--------|--|--|--|--|
| BW        | 5MHz                             | 5MHz  | 5MHz  | 5MHz   |  |  |  |  |
| Mod.      | QPSK                             | 16QAM | 64QAM | 256QAM |  |  |  |  |
| Middle CH | 4.9                              | 4.97  | 4.93  | 4.82   |  |  |  |  |

| Mode      | FR1 n66 : 26dB BW(MHz) / CP-OFDM |       |       |        |  |  |  |  |
|-----------|----------------------------------|-------|-------|--------|--|--|--|--|
| BW        | 10MHz                            | 10MHz | 10MHz | 10MHz  |  |  |  |  |
| Mod.      | QPSK                             | 16QAM | 64QAM | 256QAM |  |  |  |  |
| Middle CH | 9.75                             | 9.83  | 9.79  | 9.89   |  |  |  |  |

| Mode      | FR1 n66 : 26dB BW(MHz) / CP-OFDM |       |       |        |  |  |  |  |
|-----------|----------------------------------|-------|-------|--------|--|--|--|--|
| BW        | 15MHz                            | 15MHz | 15MHz | 15MHz  |  |  |  |  |
| Mod.      | QPSK                             | 16QAM | 64QAM | 256QAM |  |  |  |  |
| Middle CH | 14.89                            | 14.83 | 15.04 | 14.89  |  |  |  |  |

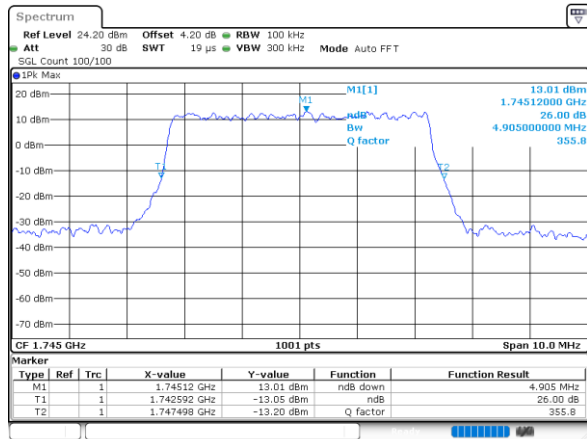
| Mode      | FR1 n66 : 26dB BW(MHz) / CP-OFDM |       |       |        |  |  |  |  |
|-----------|----------------------------------|-------|-------|--------|--|--|--|--|
| BW        | 20MHz                            | 20MHz | 20MHz | 20MHz  |  |  |  |  |
| Mod.      | QPSK                             | 16QAM | 64QAM | 256QAM |  |  |  |  |
| Middle CH | 19.86                            | 19.74 | 19.82 | 19.9   |  |  |  |  |



## FR1 n66 / 5MHz / CP-OFDM

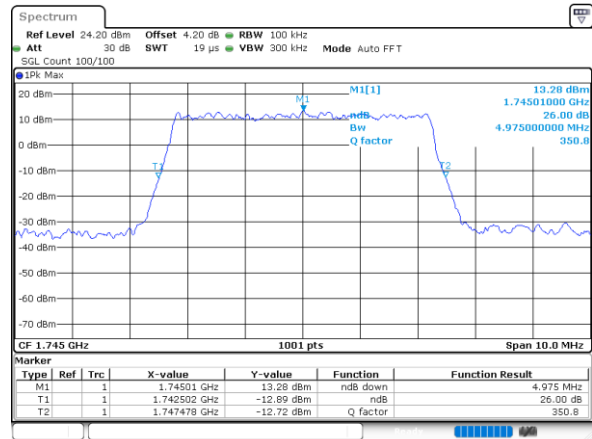
## QPSK

## Middle Channel



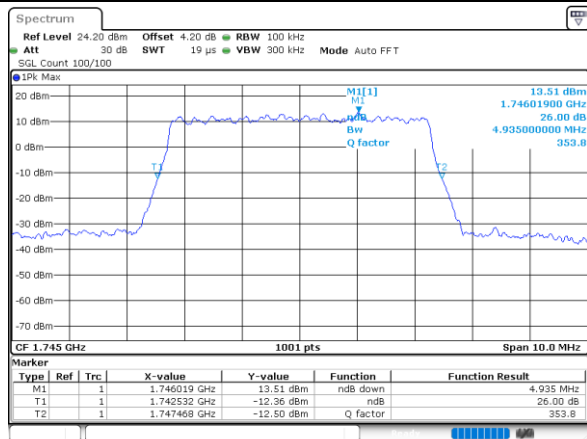
## 16QAM

## Middle Channel



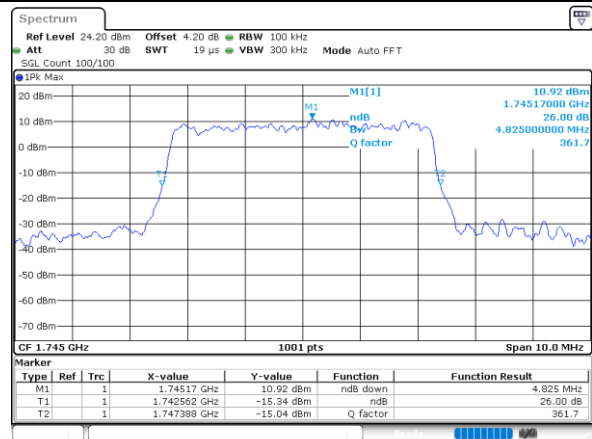
## 64QAM

## Middle Channel



## 256QAM

## Middle Channel





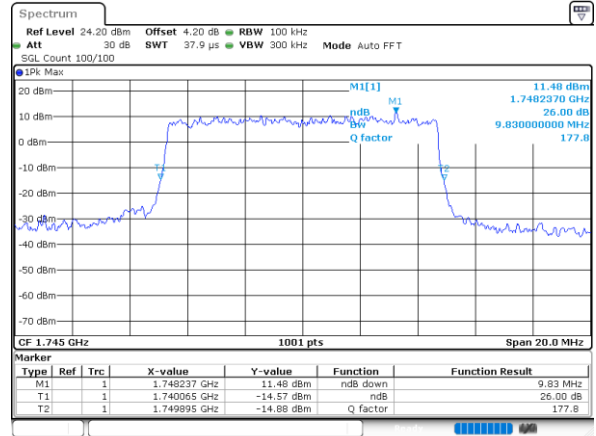
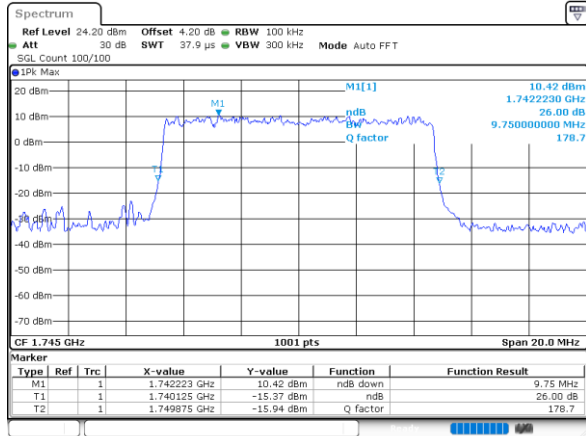
## FR1 n66 / 10MHz / CP-OFDM

## QPSK

## 16QAM

## Middle Channel

## Middle Channel

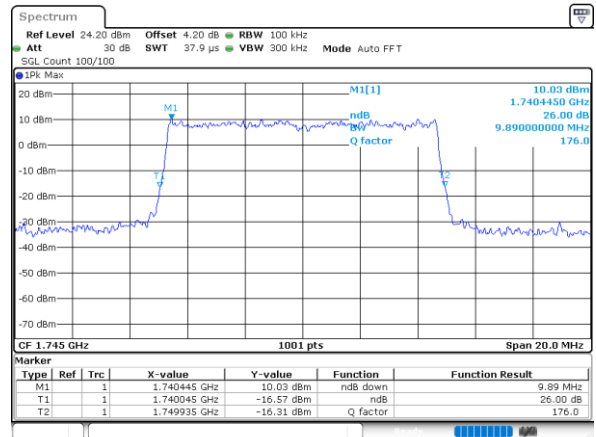
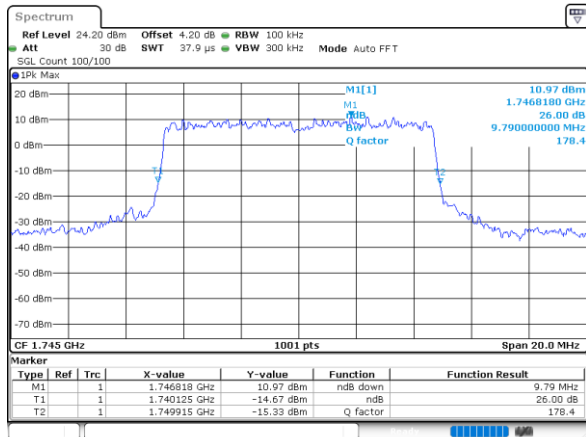


## 64QAM

## 256QAM

## Middle Channel

## Middle Channel

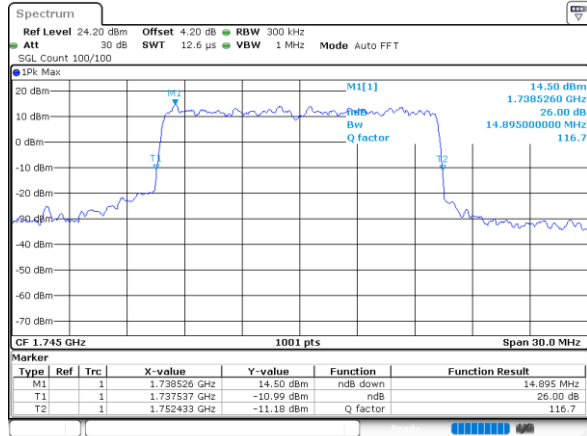




## FR1 n66 / 15MHz / CP-OFDM

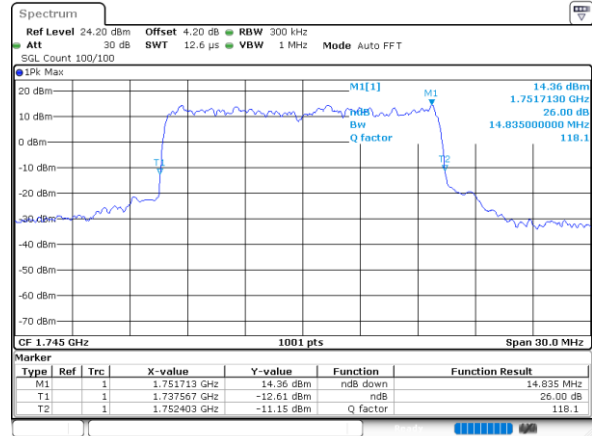
## QPSK

## Middle Channel



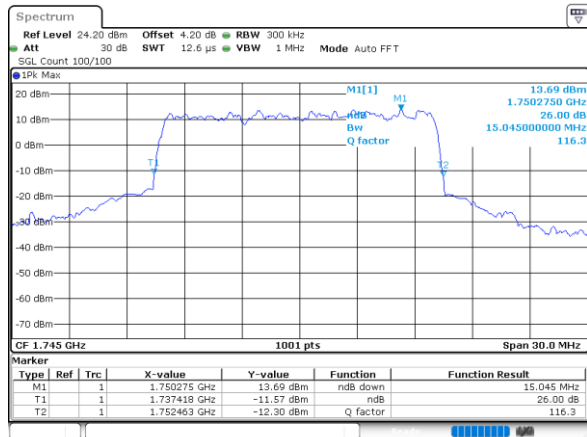
## 16QAM

## Middle Channel



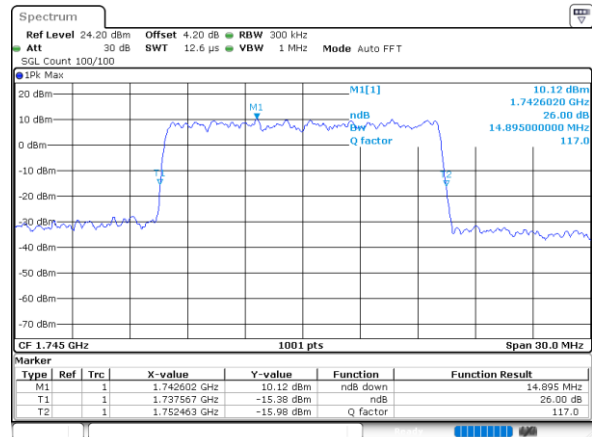
## 64QAM

## Middle Channel



## 256QAM

## Middle Channel

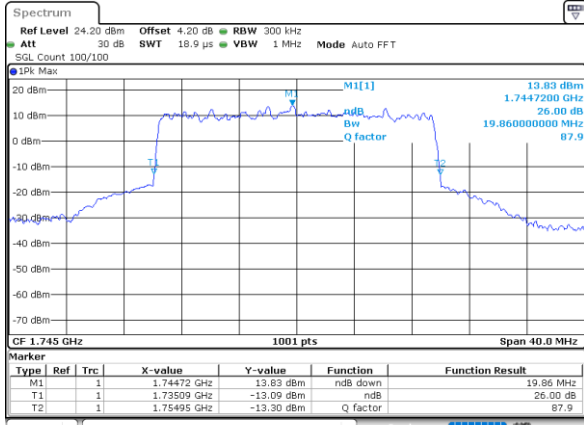




## FR1 n66 / 20MHz / CP-OFDM

## QPSK

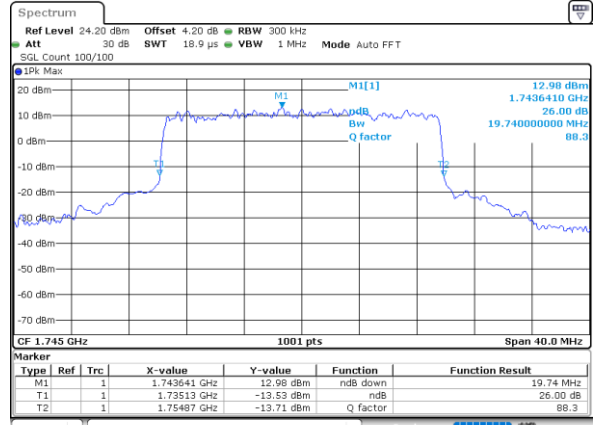
## Middle Channel



Date: 2,JAN,2021 05:40:41

## 16QAM

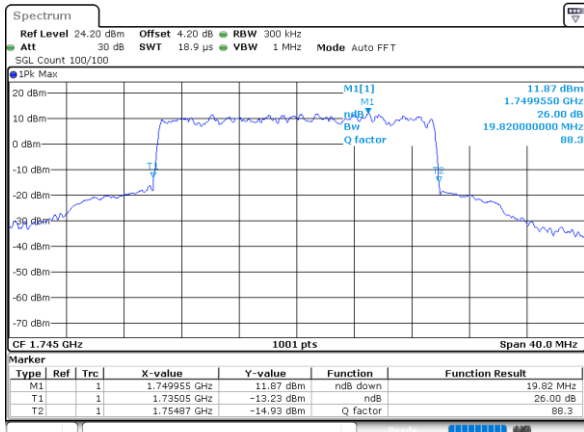
## Middle Channel



Date: 2,JAN,2021 05:40:54

## 64QAM

## Middle Channel



Date: 2,JAN,2021 05:41:03

## 256QAM

## Middle Channel



Date: 2,JAN,2021 05:41:11

**Occupied Bandwidth**

| Mode      | FR1 n66 : OBW(MHz) / CP-OFDM |       |       |        |  |  |  |  |
|-----------|------------------------------|-------|-------|--------|--|--|--|--|
| BW        | 5MHz                         | 5MHz  | 5MHz  | 5MHz   |  |  |  |  |
| Mod.      | QPSK                         | 16QAM | 64QAM | 256QAM |  |  |  |  |
| Middle CH | 4.47                         | 4.52  | 4.47  | 4.48   |  |  |  |  |

| Mode      | FR1 n66 : OBW(MHz) / CP-OFDM |       |       |        |  |  |  |  |
|-----------|------------------------------|-------|-------|--------|--|--|--|--|
| BW        | 10MHz                        | 10MHz | 10MHz | 10MHz  |  |  |  |  |
| Mod.      | QPSK                         | 16QAM | 64QAM | 256QAM |  |  |  |  |
| Middle CH | 9.27                         | 9.27  | 9.29  | 9.27   |  |  |  |  |

| Mode      | FR1 n66 : OBW(MHz) / CP-OFDM |       |       |        |  |  |  |  |
|-----------|------------------------------|-------|-------|--------|--|--|--|--|
| BW        | 15MHz                        | 15MHz | 15MHz | 15MHz  |  |  |  |  |
| Mod.      | QPSK                         | 16QAM | 64QAM | 256QAM |  |  |  |  |
| Middle CH | 14.08                        | 14.17 | 14.17 | 14.08  |  |  |  |  |

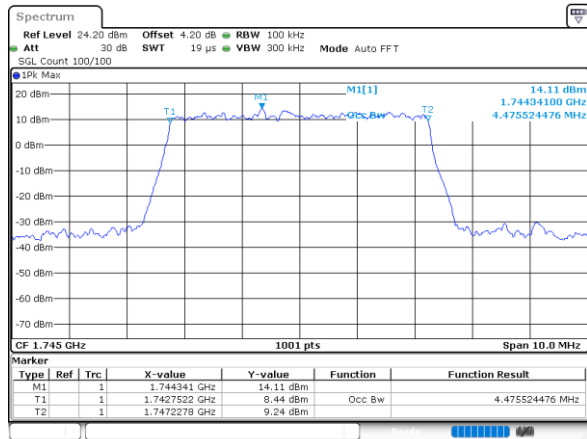
| Mode      | FR1 n66 : OBW(MHz) / CP-OFDM |       |       |        |  |  |  |  |
|-----------|------------------------------|-------|-------|--------|--|--|--|--|
| BW        | 20MHz                        | 20MHz | 20MHz | 20MHz  |  |  |  |  |
| Mod.      | QPSK                         | 16QAM | 64QAM | 256QAM |  |  |  |  |
| Middle CH | 18.94                        | 18.86 | 18.98 | 18.86  |  |  |  |  |



## FR1 n66 / 5MHz / CP-OFDM

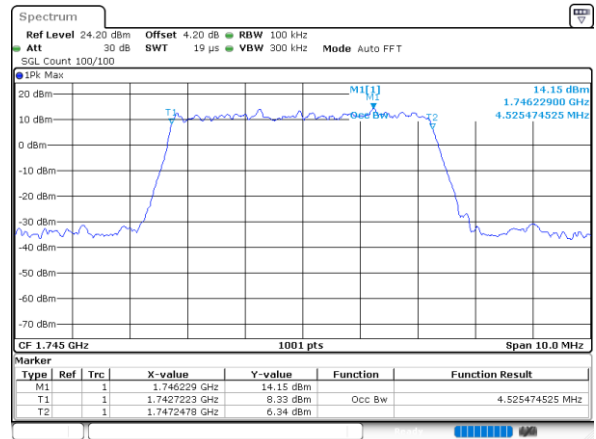
## QPSK

## Middle Channel



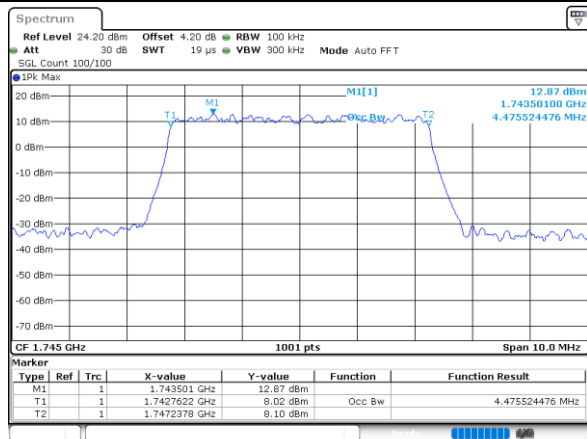
## 16QAM

## Middle Channel



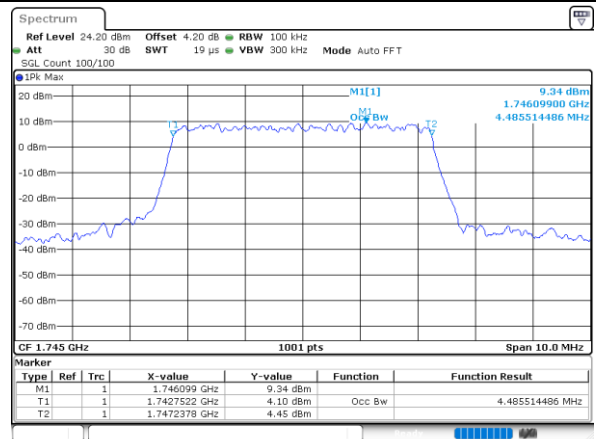
## 64QAM

## Middle Channel



## 256QAM

## Middle Channel

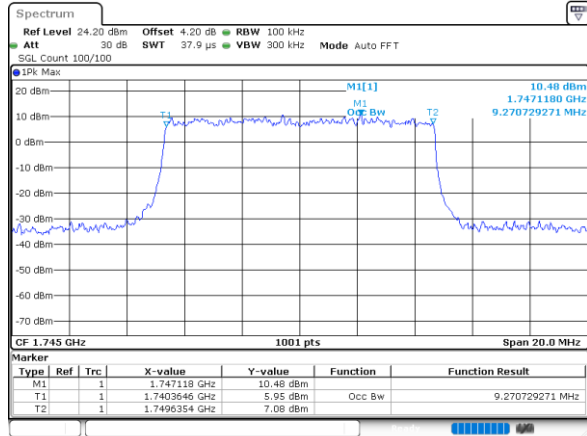




## FR1 n66 / 10MHz / CP-OFDM

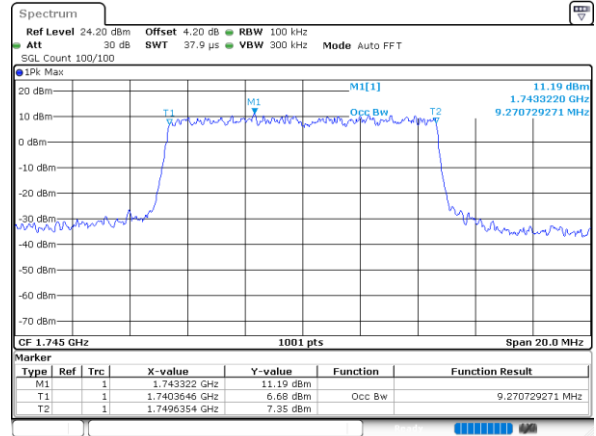
## QPSK

## Middle Channel



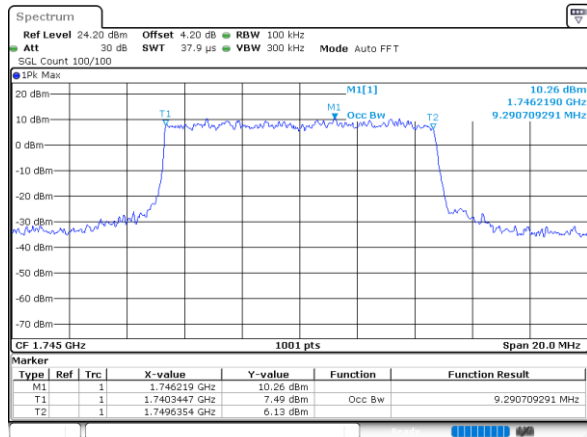
## 16QAM

## Middle Channel



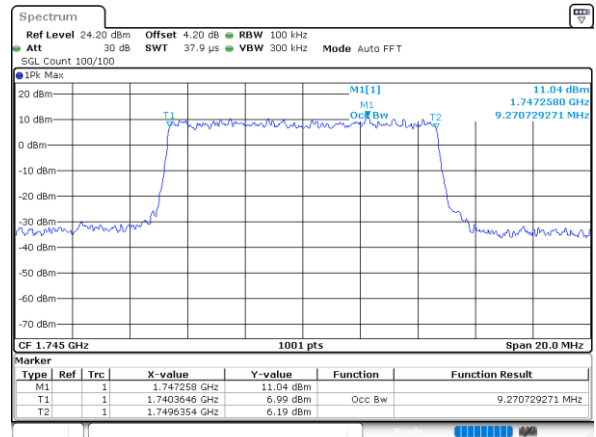
## 64QAM

## Middle Channel



## 256QAM

## Middle Channel

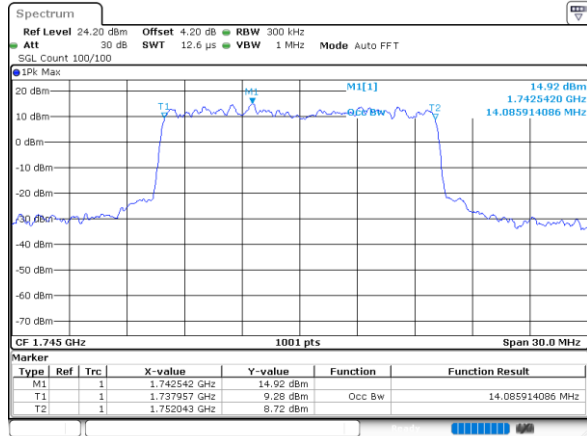




## FR1 n66 / 15MHz / CP-OFDM

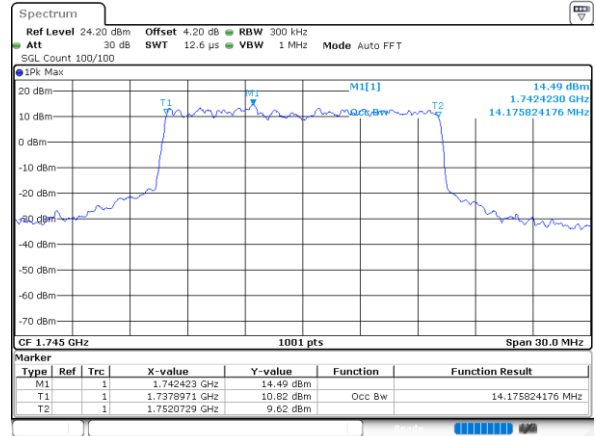
## QPSK

## Middle Channel



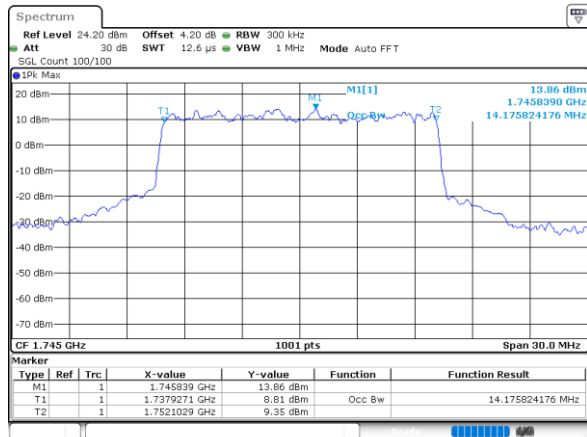
## 16QAM

## Middle Channel



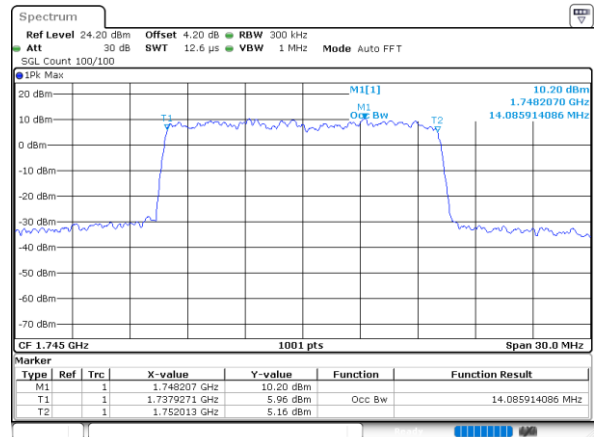
## 64QAM

## Middle Channel



## 256QAM

## Middle Channel

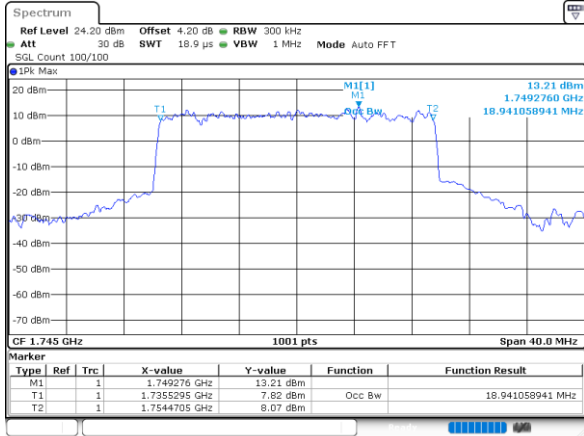




## FR1 n66 / 20MHz / CP-OFDM

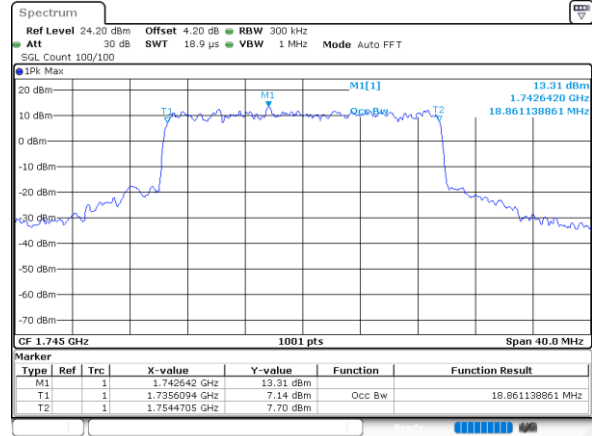
## QPSK

## Middle Channel



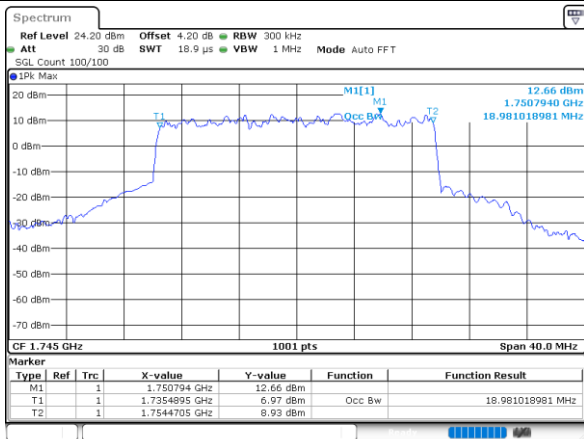
## 16QAM

## Middle Channel



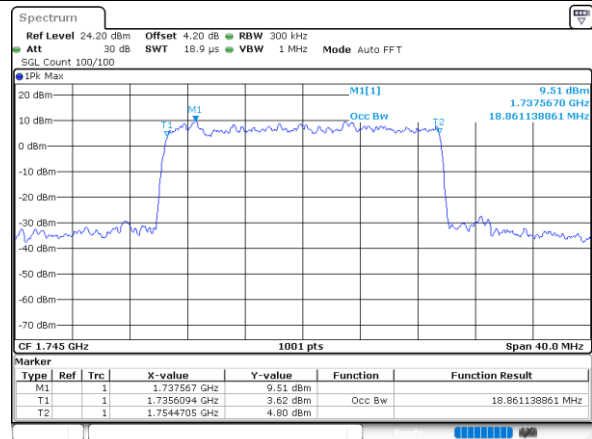
## 64QAM

## Middle Channel



## 256QAM

## Middle Channel

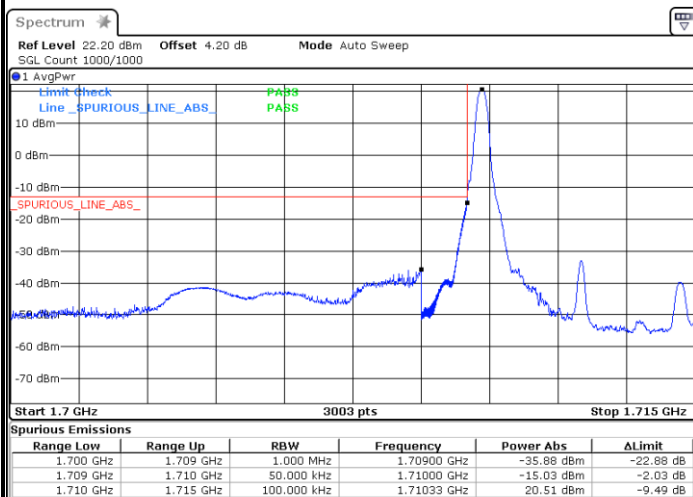




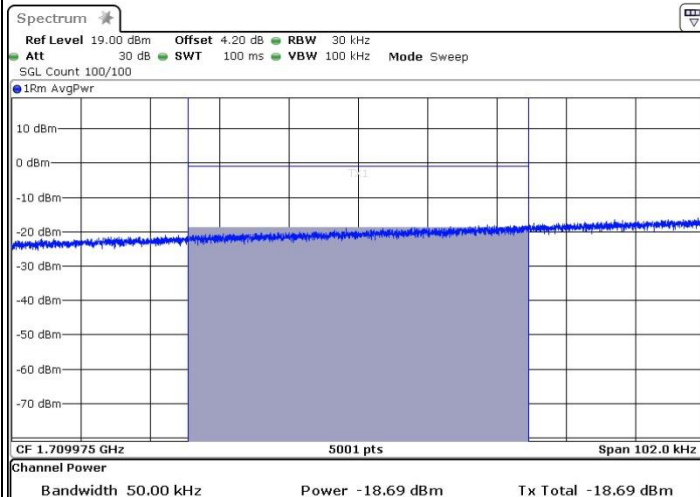
## Conducted Band Edge

### FR1 n66 / 5MHz / DFT-S OFDM BPSK

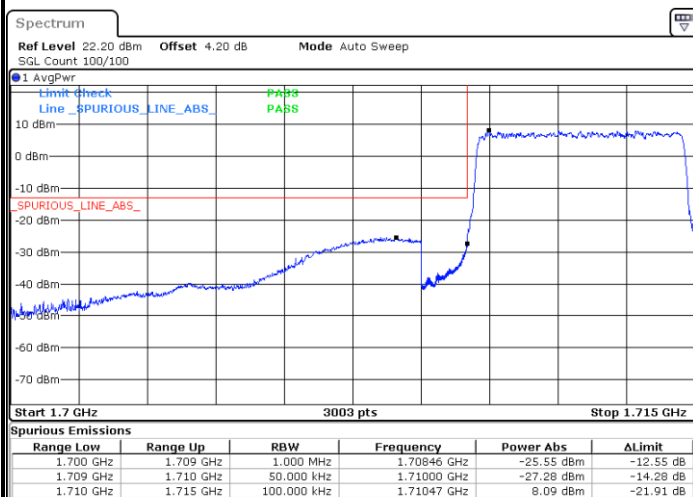
#### Lowest Band Edge / 1 RB



#### Channel Power < -13dBm Pass



#### Lowest Band Edge / Full RB



#### Channel Power < -13dBm Pass

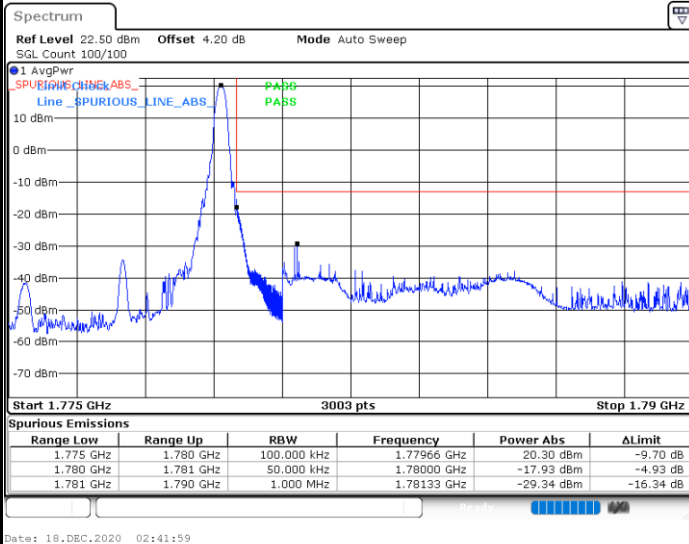
/



## FR1 n66 / 5MHz / DFT-S OFDM BPSK

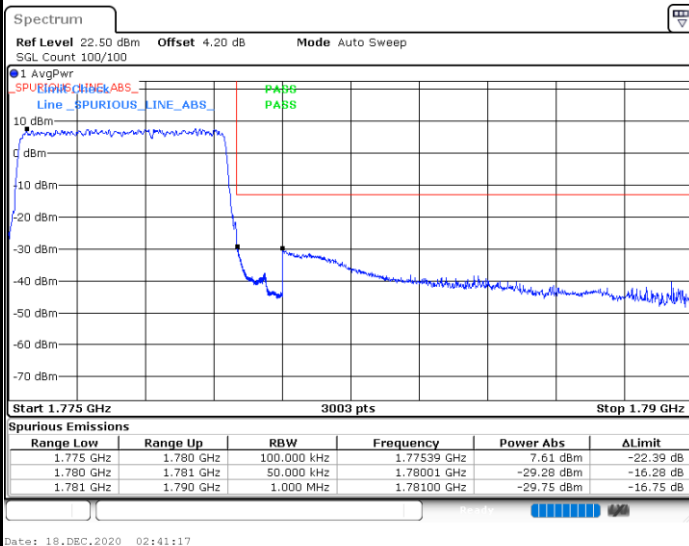
## Highest Band Edge / 1 RB

## Channel Power &lt; -13dBm Pass



## Highest Band Edge / Full RB

## Channel Power &lt; -13dBm Pass

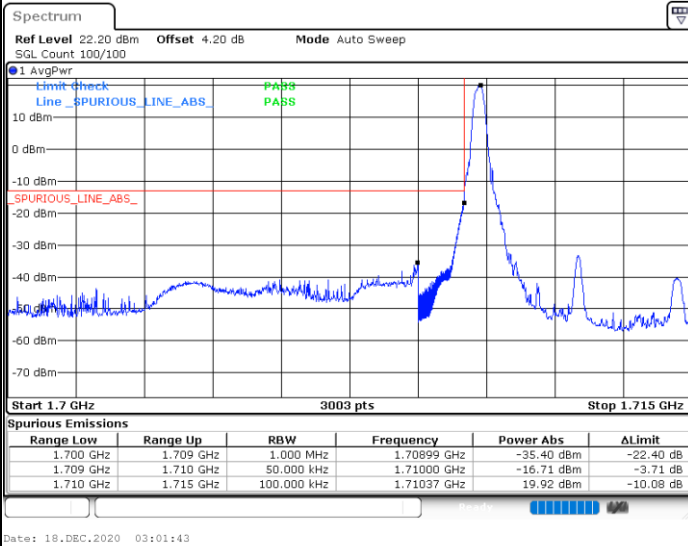




## FR1 n66 / 5MHz / DFT-S OFDM QPSK

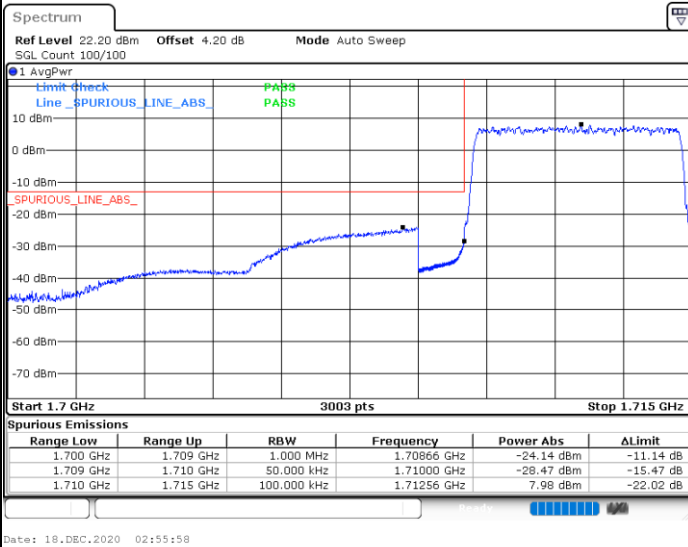
## Lowest Band Edge / 1 RB

## Channel Power &lt; -13dBm Pass



## Lowest Band Edge / Full RB

## Channel Power &lt; -13dBm Pass

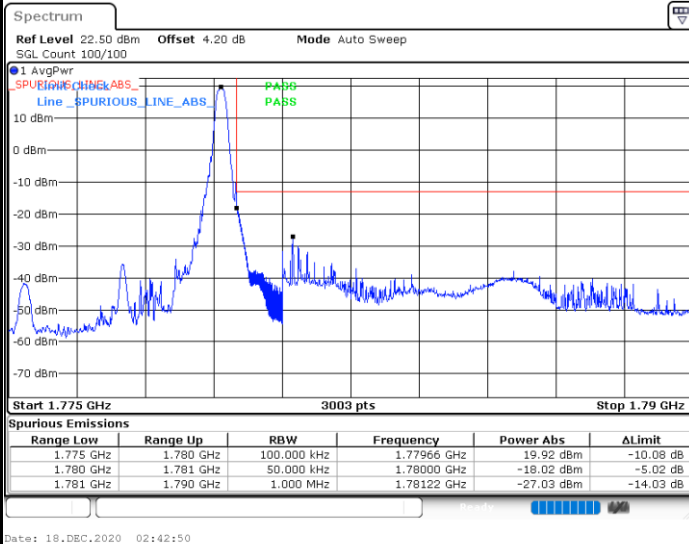




## FR1 n66 / 5MHz / DFT-S OFDM QPSK

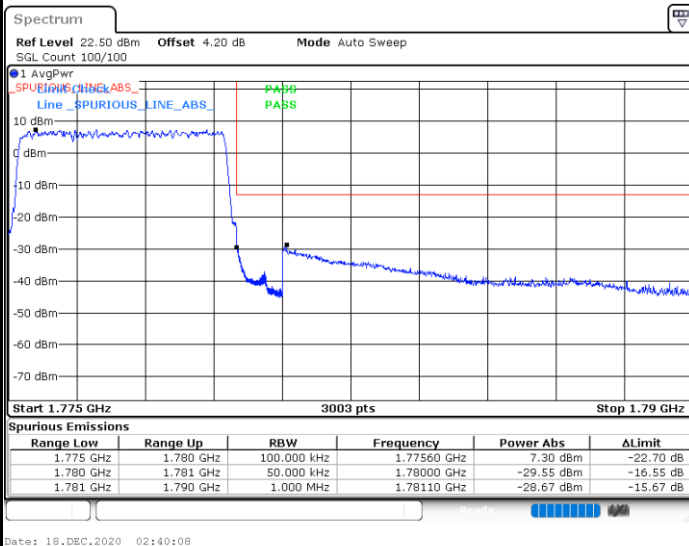
## Highest Band Edge / 1 RB

## Channel Power &lt; -13dBm Pass



## Highest Band Edge / Full RB

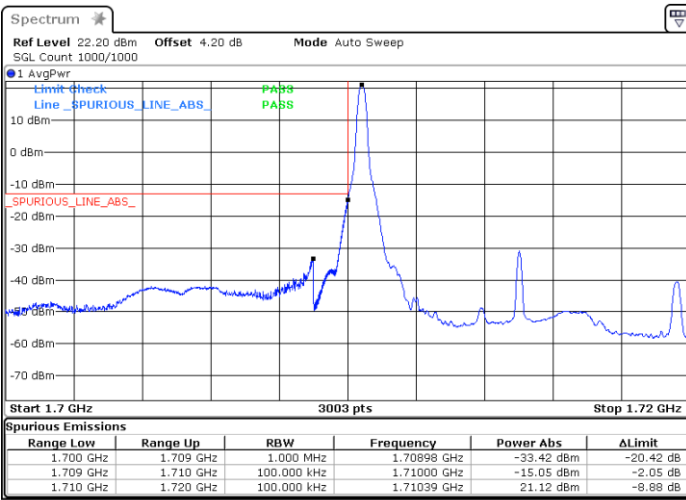
## Channel Power &lt; -13dBm Pass



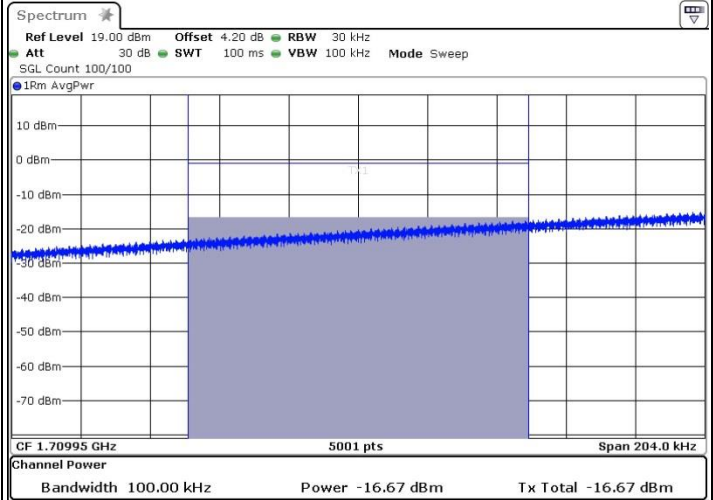


## FR1 n66 / 10MHz / DFT-S OFDM BPSK

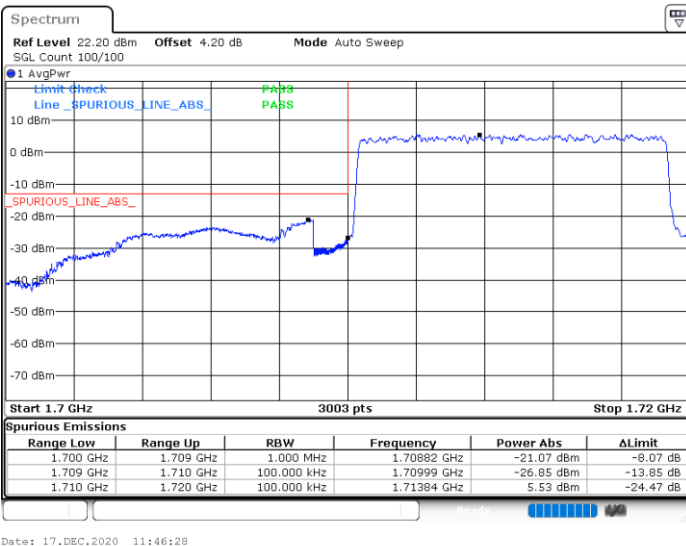
## Lowest Band Edge / 1 RB



## Channel Power &lt; -13dBm Pass



## Lowest Band Edge / Full RB



## Channel Power &lt; -13dBm Pass

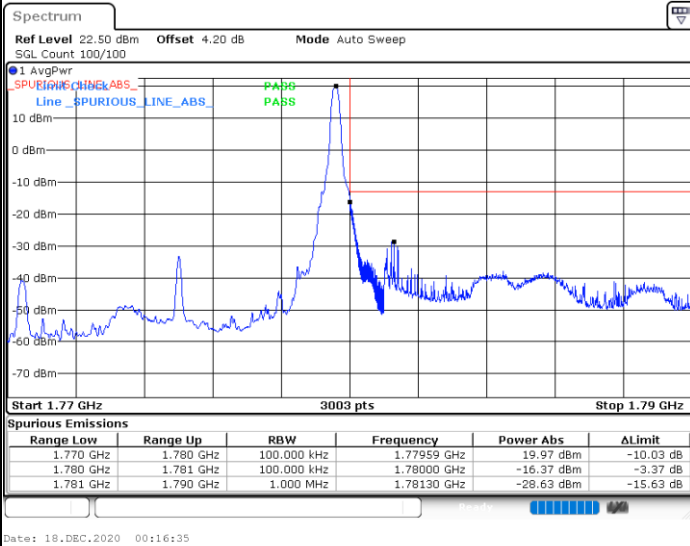
/



## FR1 n66 / 10MHz / DFT-S OFDM BPSK

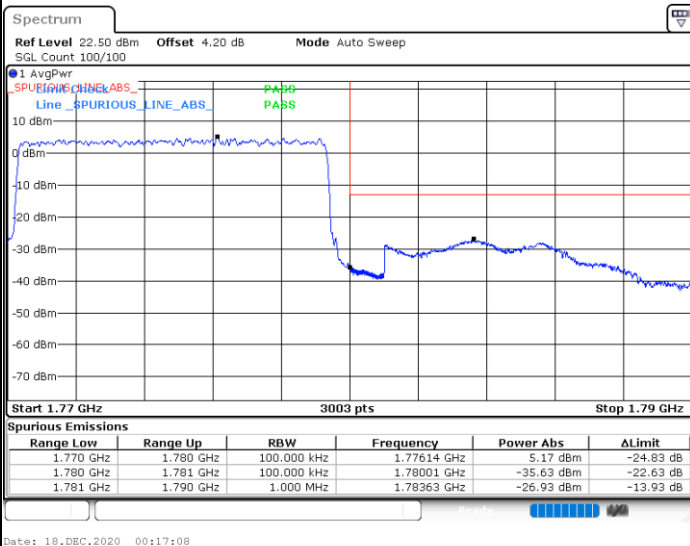
## Highest Band Edge / 1 RB

## Channel Power &lt; -13dBm Pass



## Highest Band Edge / Full RB

## Channel Power &lt; -13dBm Pass

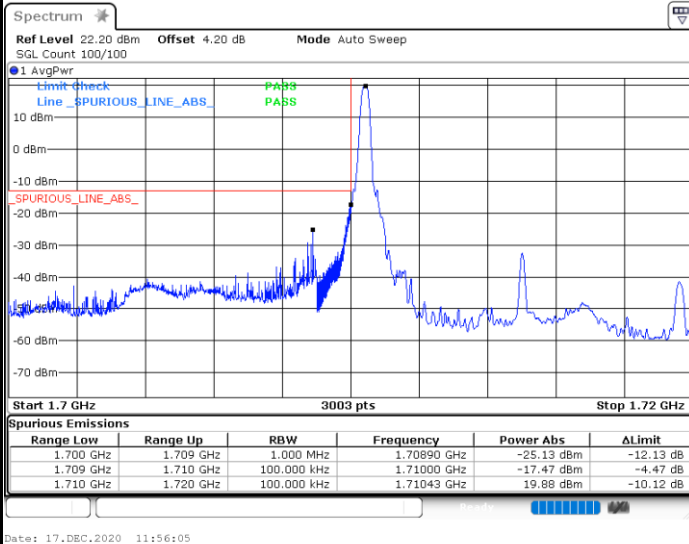




## FR1 n66 / 10MHz / DFT-S OFDM QPSK

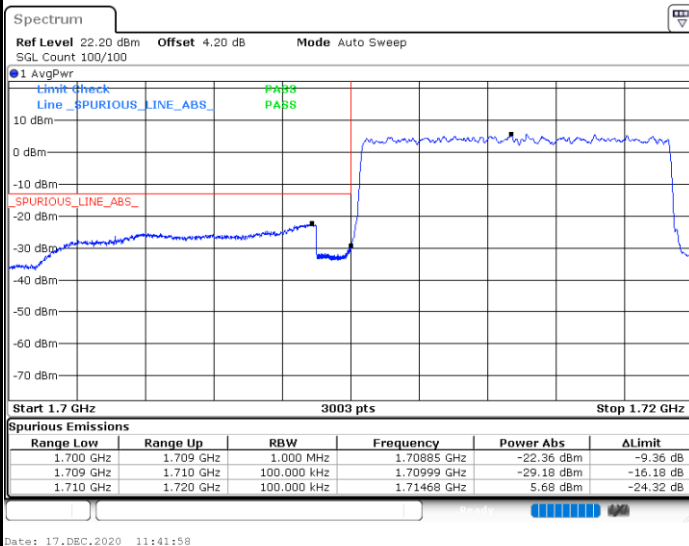
## Lowest Band Edge / 1 RB

## Channel Power &lt; -13dBm Pass



## Lowest Band Edge / Full RB

## Channel Power &lt; -13dBm Pass

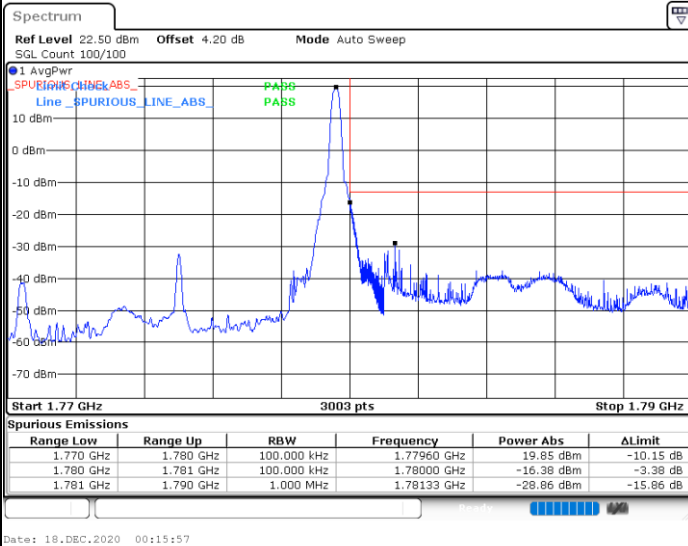




## FR1 n66 / 10MHz / DFT-S OFDM QPSK

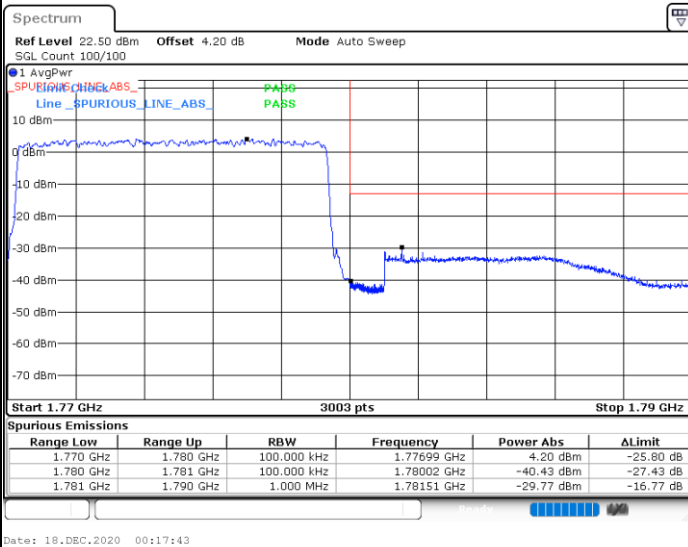
## Highest Band Edge / 1 RB

## Channel Power &lt; -13dBm Pass



## Highest Band Edge / Full RB

## Channel Power &lt; -13dBm Pass

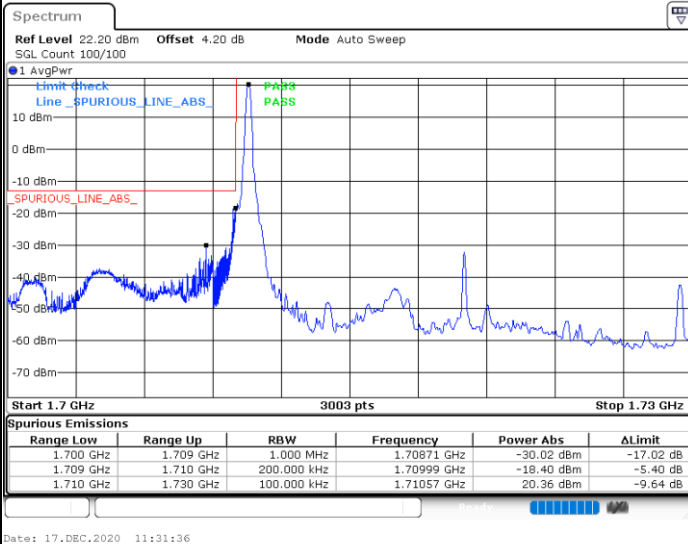




## FR1 n66 / 20MHz / DFT-S OFDM BPSK

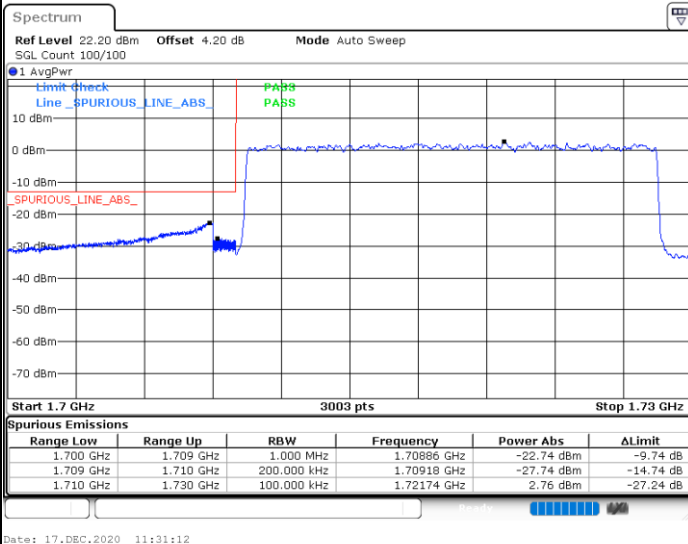
## Lowest Band Edge / 1 RB

## Channel Power &lt; -13dBm Pass



## Lowest Band Edge / Full RB

## Channel Power &lt; -13dBm Pass

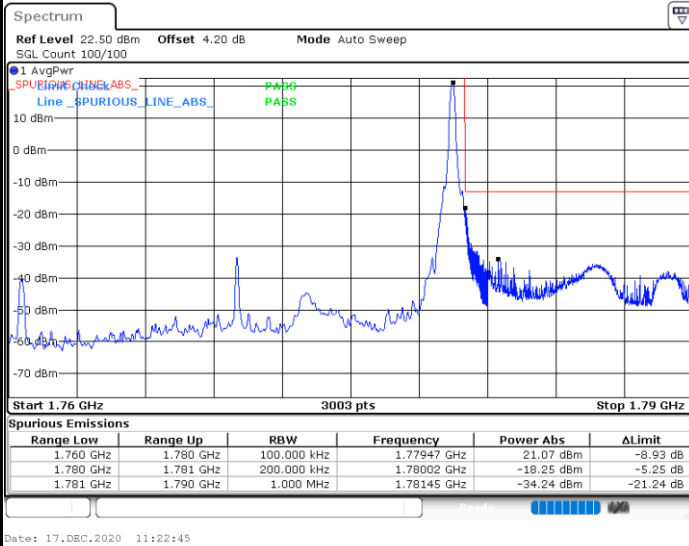




## FR1 n66 / 20MHz / DFT-S OFDM BPSK

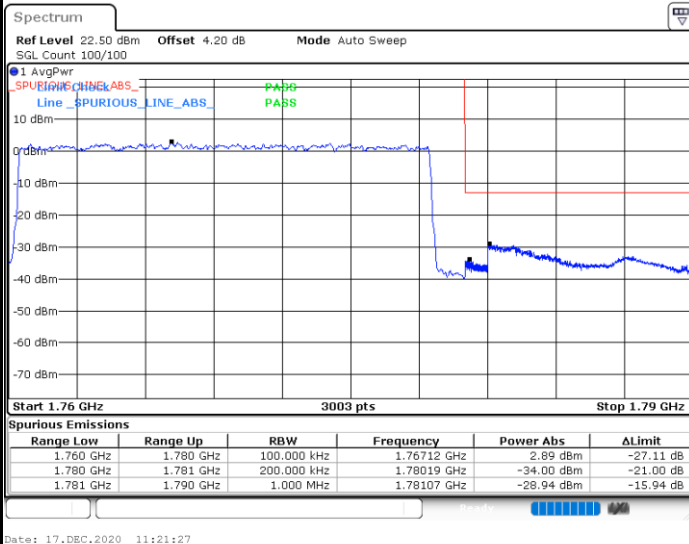
## Highest Band Edge / 1 RB

## Channel Power &lt; -13dBm Pass



## Highest Band Edge / Full RB

## Channel Power &lt; -13dBm Pass

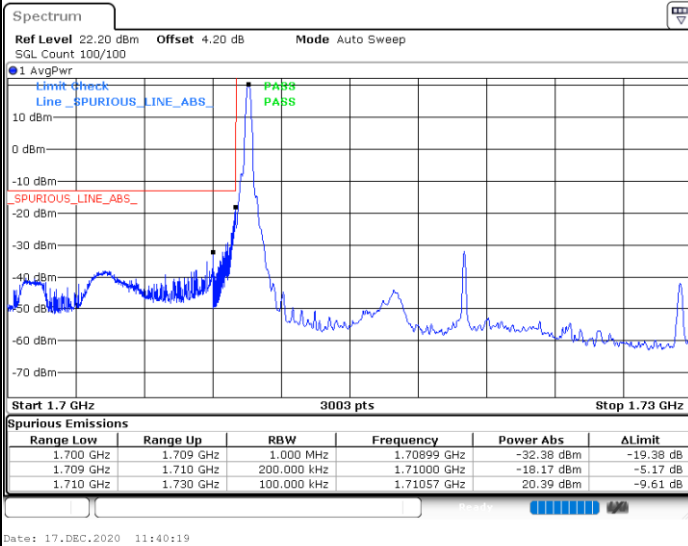




## FR1 n66 / 20MHz / DFT-S OFDM QPSK

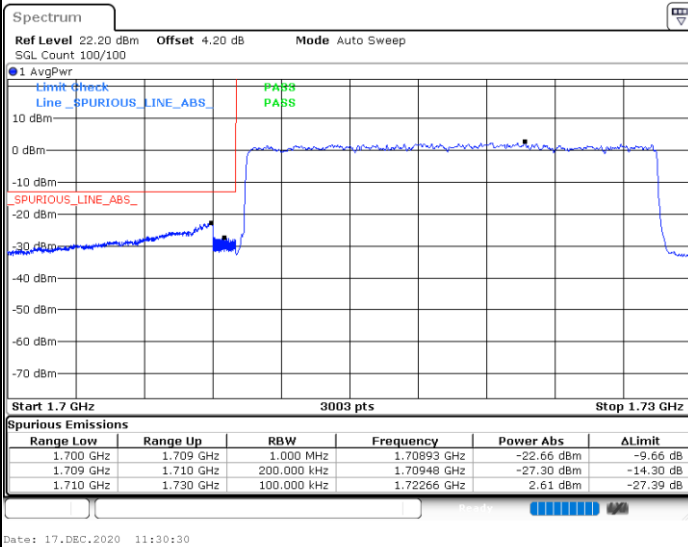
## Lowest Band Edge / 1 RB

## Channel Power &lt; -13dBm Pass



## Lowest Band Edge / Full RB

## Channel Power &lt; -13dBm Pass

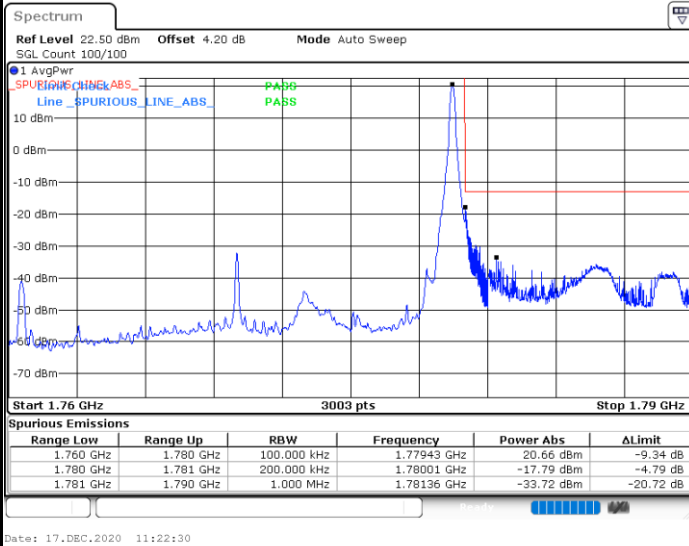




## FR1 n66 / 20MHz / DFT-S OFDM QPSK

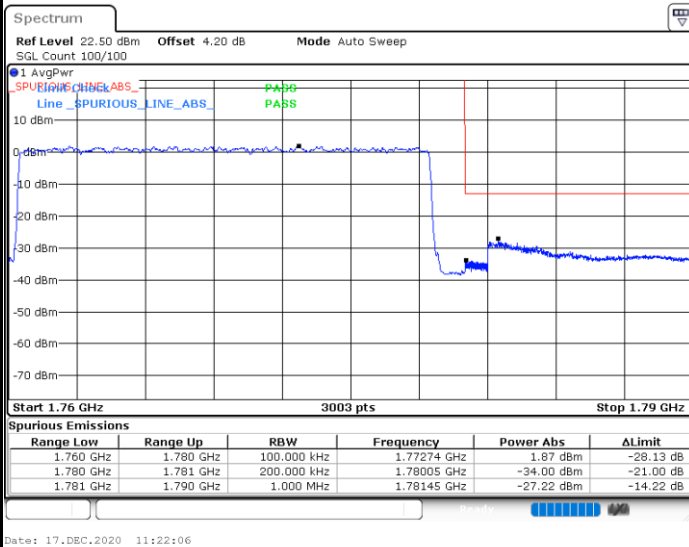
## Highest Band Edge / 1 RB

## Channel Power &lt; -13dBm Pass



## Highest Band Edge / Full RB

## Channel Power &lt; -13dBm Pass



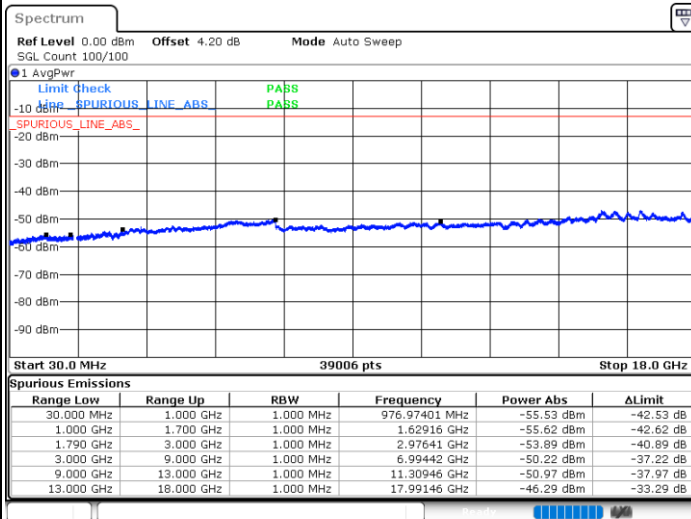


## Conducted Spurious Emission

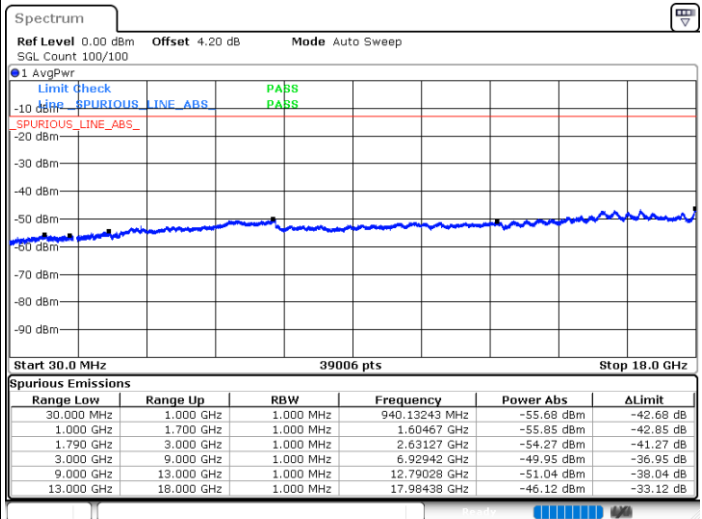
FR1 n66 / 5MHz / DFT-S OFDM / BPSK

Lowest Channel / 1RB

Middle Channel / 1RB

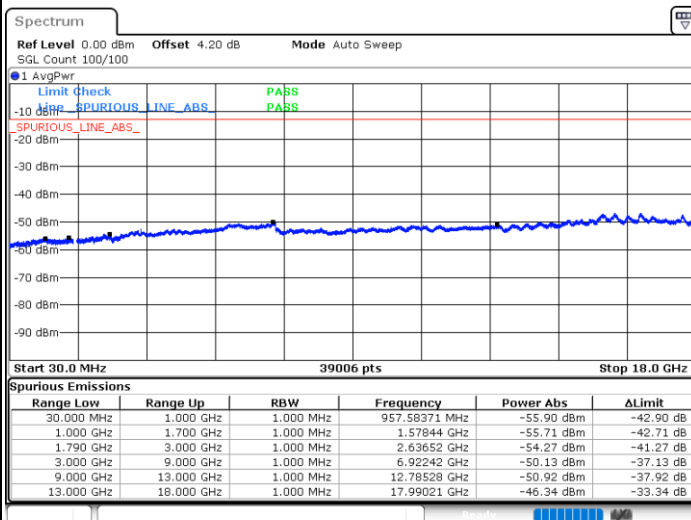


Date: 18.DEC.2020 01:47:42



Date: 18.DEC.2020 02:05:58

Highest Channel / 1RB



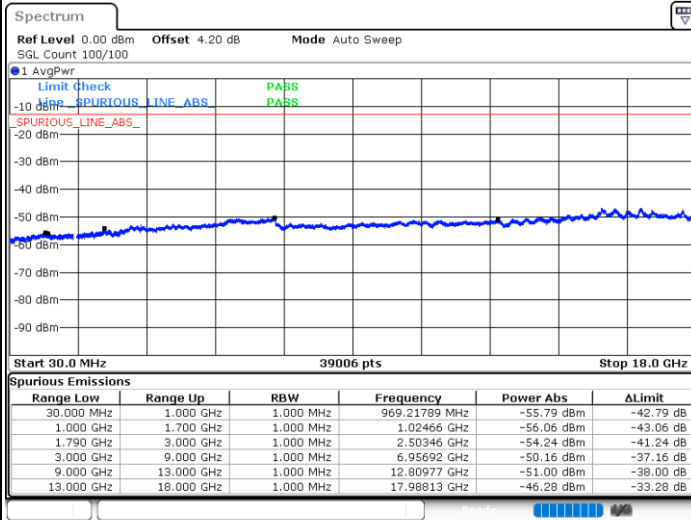
Date: 18.DEC.2020 02:11:44



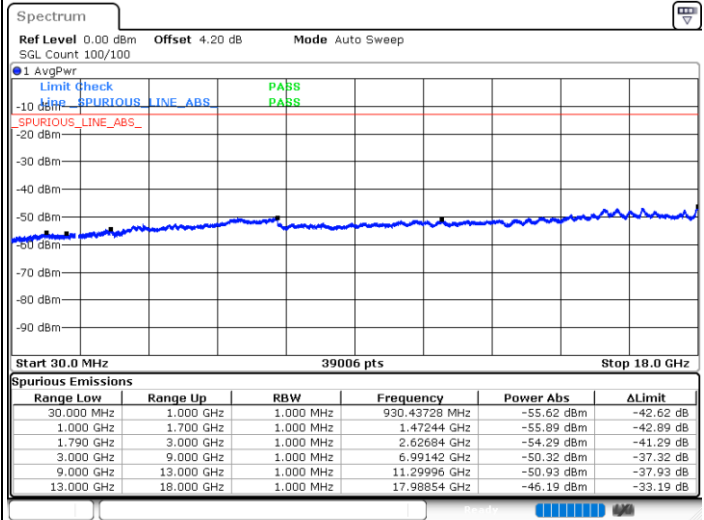
## FR1 n66 / 5MHz / DFT-S OFDM / QPSK

## Lowest Channel / 1RB

## Middle Channel / 1RB

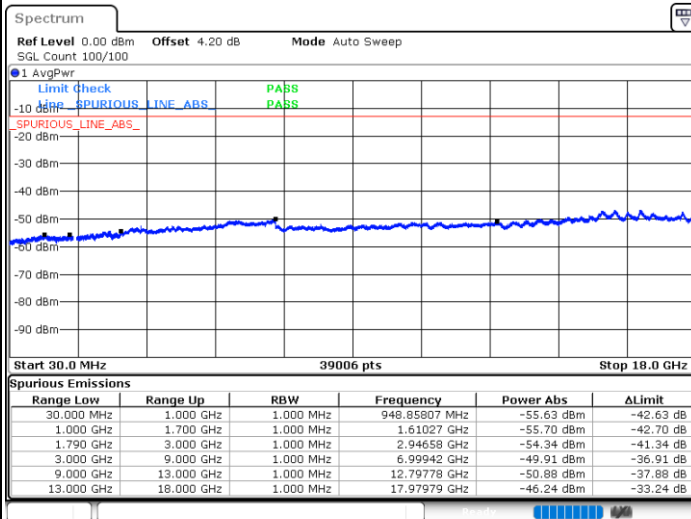


Date: 18.DEC.2020 01:55:15



Date: 18.DEC.2020 02:01:16

## Highest Channel / 1RB



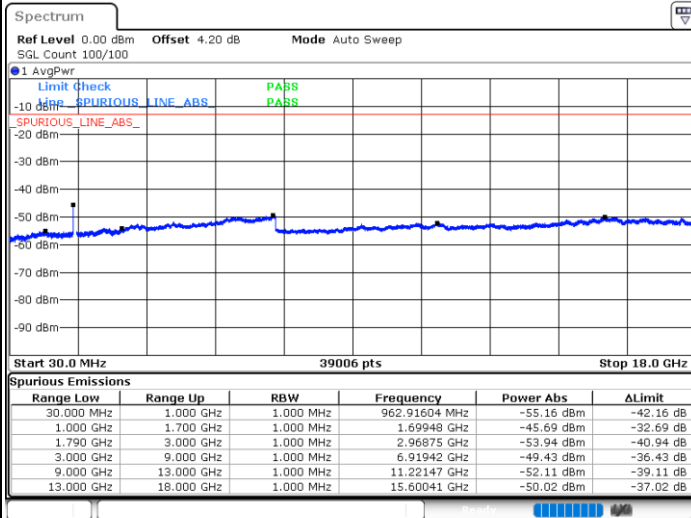
Date: 18.DEC.2020 02:13:14



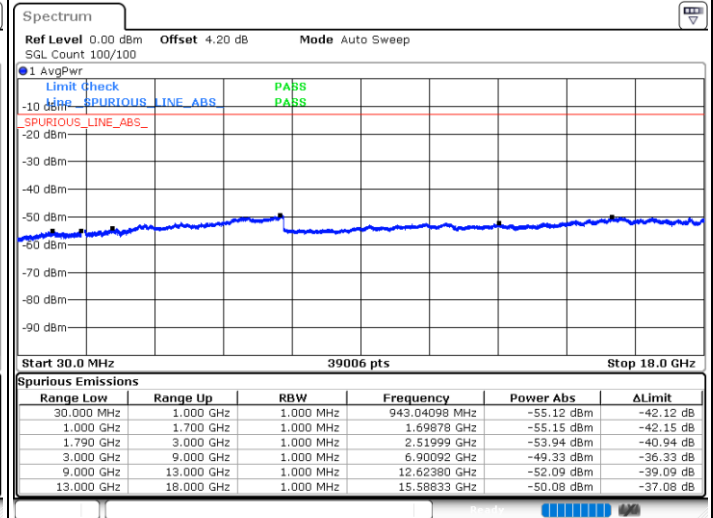
## FR1 n66 / 10MHz / DFT-S OFDM / BPSK

## Lowest Channel / 1RB

## Middle Channel / 1RB

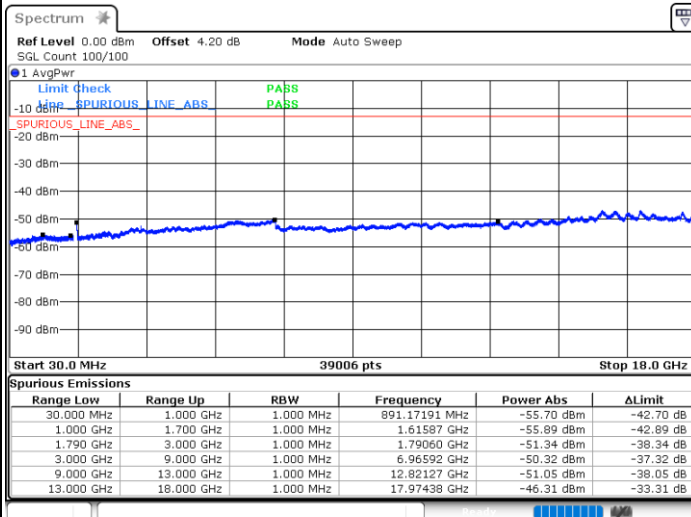


Date: 17.DEC.2020 11:51:13



Date: 17.DEC.2020 13:46:28

## Highest Channel / 1RB



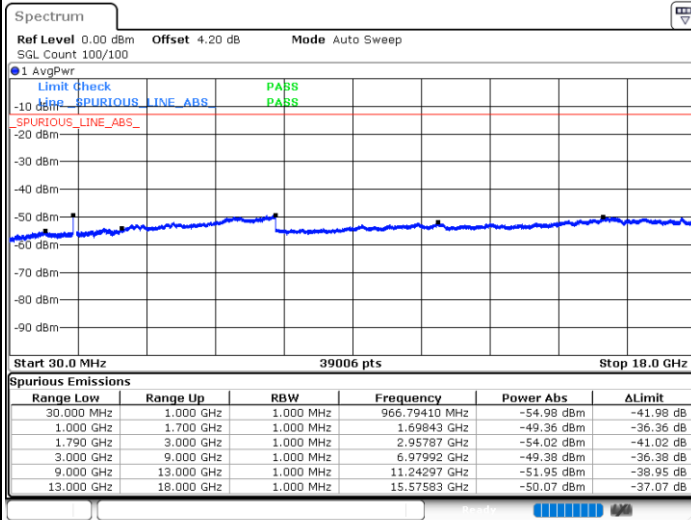
Date: 18.DEC.2020 00:24:33



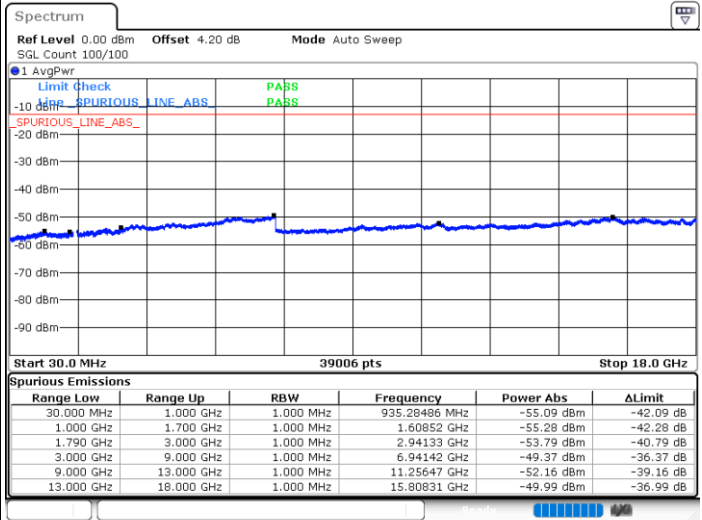
## FR1 n66 / 10MHz / DFT-S OFDM / QPSK

## Lowest Channel / 1RB

## Middle Channel / 1RB

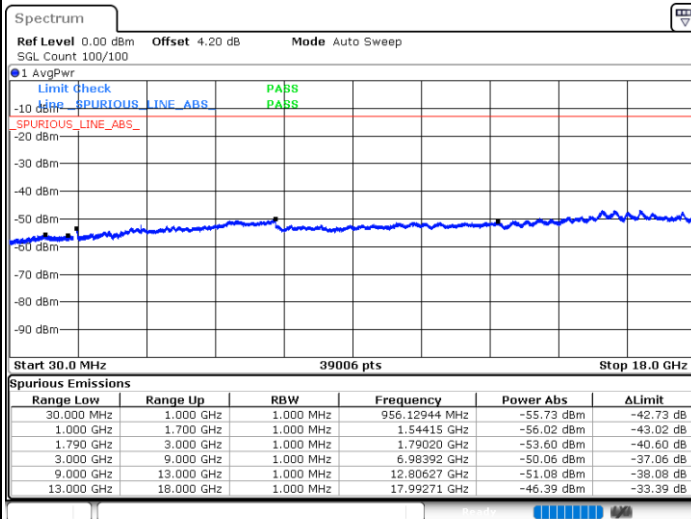


Date: 17.DEC.2020 11:56:50



Date: 17.DEC.2020 13:48:15

## Highest Channel / 1RB



Date: 18.DEC.2020 00:26:55