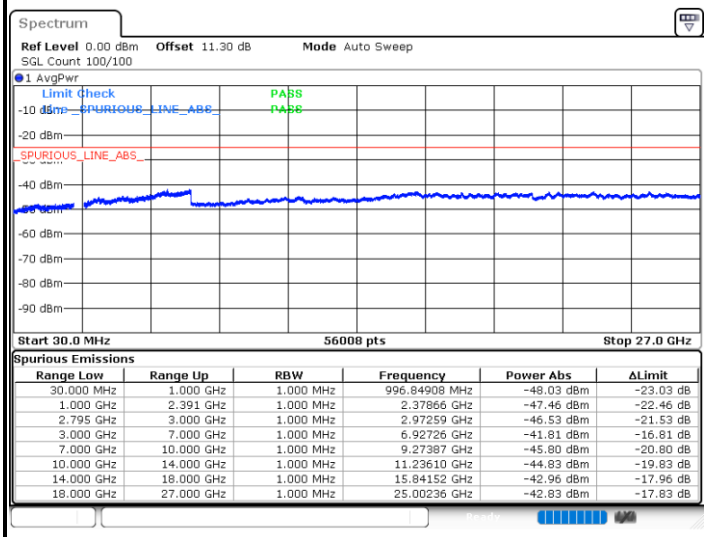
## FR1 n41 / 15MHz / DFT-S OFDM / QPSK

### Lowest Channel / 1RB

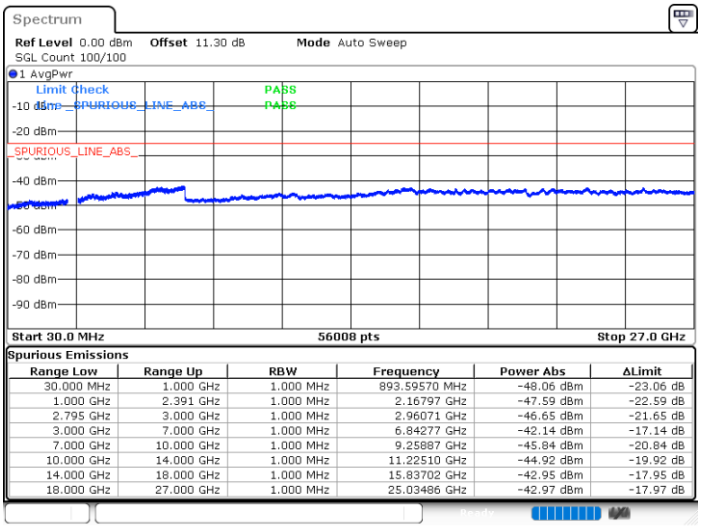



Spurious Emissions

| Range Low | Range Up | RBW | Frequency | Power Abs | ΔLimit |
|---|---|---|---|---|---|
| 30.000 MHz | 1.000 GHz | 1.000 MHz | 996.84908 MHz | -48.03 dBm | -23.03 dB |
| 1.000 GHz | 2.391 GHz | 1.000 MHz | 2.37866 GHz | -47.46 dBm | -22.46 dB |
| 2.795 GHz | 3.000 GHz | 1.000 MHz | 2.97259 GHz | -46.53 dBm | -21.53 dB |
| 3.000 GHz | 7.000 GHz | 1.000 MHz | 6.92726 GHz | -41.81 dBm | -16.81 dB |
| 7.000 GHz | 10.000 GHz | 1.000 MHz | 9.27387 GHz | -45.80 dBm | -20.80 dB |
| 10.000 GHz | 14.000 GHz | 1.000 MHz | 11.23610 GHz | -44.83 dBm | -19.83 dB |
| 14.000 GHz | 18.000 GHz | 1.000 MHz | 15.84152 GHz | -42.96 dBm | -17.96 dB |
| 18.000 GHz | 27.000 GHz | 1.000 MHz | 25.00236 GHz | -42.83 dBm | -17.83 dB |

Date: 20.JAN.2021 03:41:50

### Middle Channel / 1RB

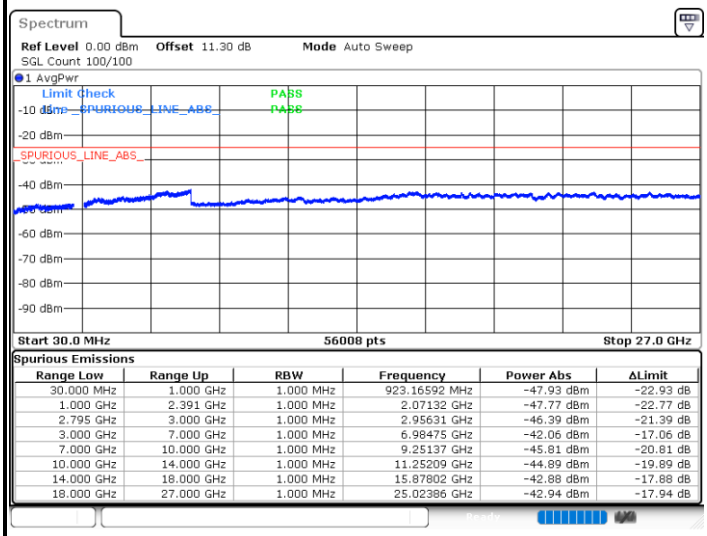



Spurious Emissions

| Range Low | Range Up | RBW | Frequency | Power Abs | ΔLimit |
|---|---|---|---|---|---|
| 30.000 MHz | 1.000 GHz | 1.000 MHz | 893.59570 MHz | -48.06 dBm | -23.06 dB |
| 1.000 GHz | 2.391 GHz | 1.000 MHz | 2.16797 GHz | -47.59 dBm | -22.59 dB |
| 2.795 GHz | 3.000 GHz | 1.000 MHz | 2.96071 GHz | -46.65 dBm | -21.65 dB |
| 3.000 GHz | 7.000 GHz | 1.000 MHz | 6.84277 GHz | -42.14 dBm | -17.14 dB |
| 7.000 GHz | 10.000 GHz | 1.000 MHz | 9.25887 GHz | -45.84 dBm | -20.84 dB |
| 10.000 GHz | 14.000 GHz | 1.000 MHz | 11.22510 GHz | -44.92 dBm | -19.92 dB |
| 14.000 GHz | 18.000 GHz | 1.000 MHz | 15.83702 GHz | -42.95 dBm | -17.95 dB |
| 18.000 GHz | 27.000 GHz | 1.000 MHz | 25.03486 GHz | -42.97 dBm | -17.97 dB |

Date: 20.JAN.2021 03:44:48

### Highest Channel / 1RB



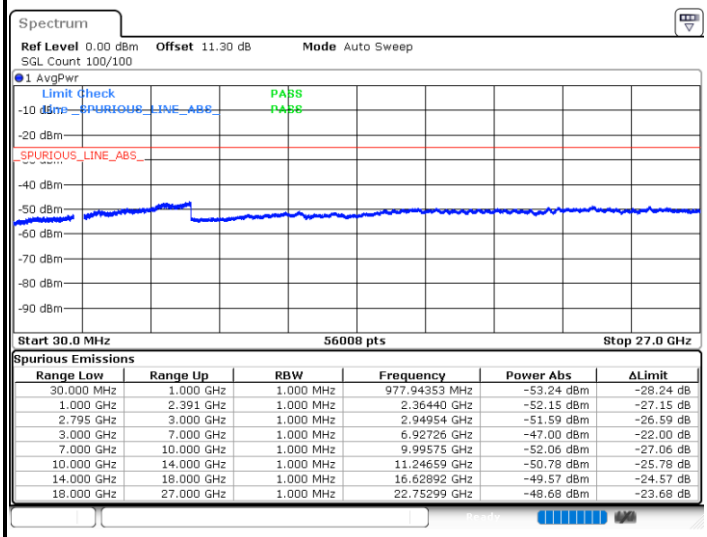

Spurious Emissions

| Range Low | Range Up | RBW | Frequency | Power Abs | ΔLimit |
|---|---|---|---|---|---|
| 30.000 MHz | 1.000 GHz | 1.000 MHz | 923.16592 MHz | -47.93 dBm | -22.93 dB |
| 1.000 GHz | 2.391 GHz | 1.000 MHz | 2.07132 GHz | -47.77 dBm | -22.77 dB |
| 2.795 GHz | 3.000 GHz | 1.000 MHz | 2.95631 GHz | -46.39 dBm | -21.39 dB |
| 3.000 GHz | 7.000 GHz | 1.000 MHz | 6.98475 GHz | -42.06 dBm | -17.06 dB |
| 7.000 GHz | 10.000 GHz | 1.000 MHz | 9.25137 GHz | -45.81 dBm | -20.81 dB |
| 10.000 GHz | 14.000 GHz | 1.000 MHz | 11.25209 GHz | -44.89 dBm | -19.89 dB |
| 14.000 GHz | 18.000 GHz | 1.000 MHz | 15.87802 GHz | -42.88 dBm | -17.88 dB |
| 18.000 GHz | 27.000 GHz | 1.000 MHz | 25.02386 GHz | -42.94 dBm | -17.94 dB |

Date: 20.JAN.2021 04:00:30

## FR1 n41 / 40MHz / DFT-S OFDM / BPSK

### Lowest Channel / 1RB

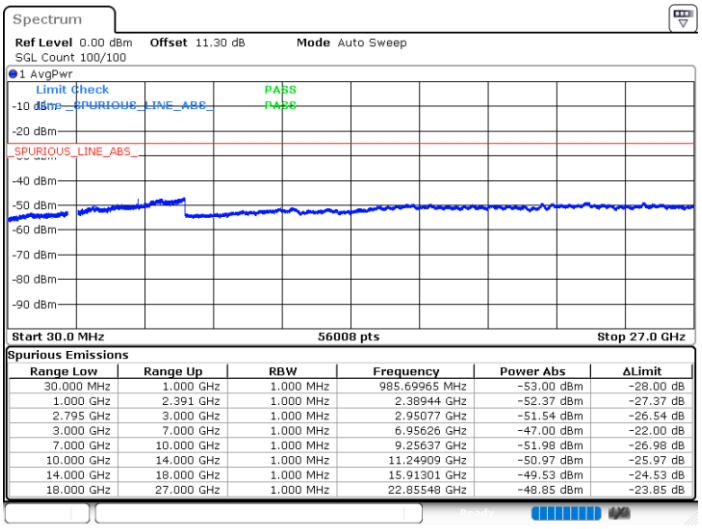



Spurious Emissions

| Range Low | Range Up | RBW | Frequency | Power Abs | ΔLimit |
|---|---|---|---|---|---|
| 30.000 MHz | 1.000 GHz | 1.000 MHz | 977.94353 MHz | -53.24 dBm | -28.24 dB |
| 1.000 GHz | 2.391 GHz | 1.000 MHz | 2.36440 GHz | -52.15 dBm | -27.15 dB |
| 2.795 GHz | 3.000 GHz | 1.000 MHz | 2.94954 GHz | -51.59 dBm | -26.59 dB |
| 3.000 GHz | 7.000 GHz | 1.000 MHz | 6.92726 GHz | -47.00 dBm | -22.00 dB |
| 7.000 GHz | 10.000 GHz | 1.000 MHz | 9.99575 GHz | -52.06 dBm | -27.06 dB |
| 10.000 GHz | 14.000 GHz | 1.000 MHz | 11.24659 GHz | -50.78 dBm | -25.78 dB |
| 14.000 GHz | 18.000 GHz | 1.000 MHz | 16.62892 GHz | -49.57 dBm | -24.57 dB |
| 18.000 GHz | 27.000 GHz | 1.000 MHz | 22.75299 GHz | -48.68 dBm | -23.68 dB |

Date: 20.JAN.2021 02:25:34

### Middle Channel / 1RB

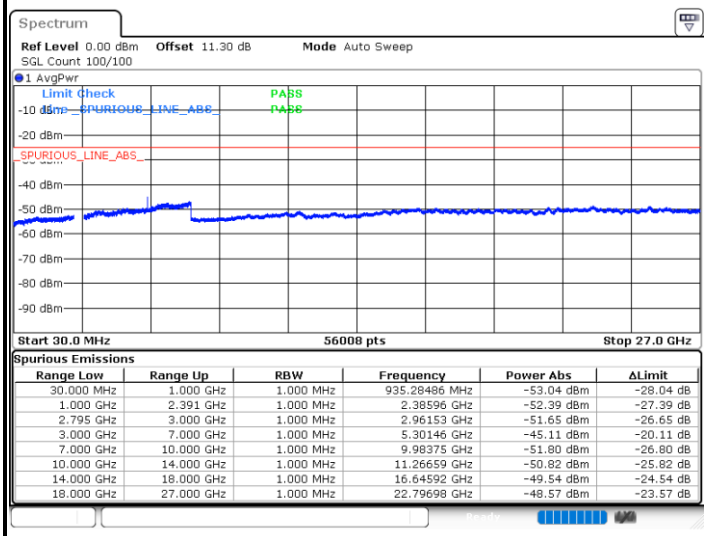



Spurious Emissions

| Range Low | Range Up | RBW | Frequency | Power Abs | ΔLimit |
|---|---|---|---|---|---|
| 30.000 MHz | 1.000 GHz | 1.000 MHz | 985.69965 MHz | -53.00 dBm | -28.00 dB |
| 1.000 GHz | 2.391 GHz | 1.000 MHz | 2.38944 GHz | -52.37 dBm | -27.37 dB |
| 2.795 GHz | 3.000 GHz | 1.000 MHz | 2.95077 GHz | -51.54 dBm | -26.54 dB |
| 3.000 GHz | 7.000 GHz | 1.000 MHz | 6.95626 GHz | -47.00 dBm | -22.00 dB |
| 7.000 GHz | 10.000 GHz | 1.000 MHz | 9.25637 GHz | -51.98 dBm | -26.98 dB |
| 10.000 GHz | 14.000 GHz | 1.000 MHz | 11.24909 GHz | -50.97 dBm | -25.97 dB |
| 14.000 GHz | 18.000 GHz | 1.000 MHz | 15.91301 GHz | -49.53 dBm | -24.53 dB |
| 18.000 GHz | 27.000 GHz | 1.000 MHz | 22.85548 GHz | -48.85 dBm | -23.85 dB |

Date: 20.JAN.2021 02:27:51

### Highest Channel / 1RB



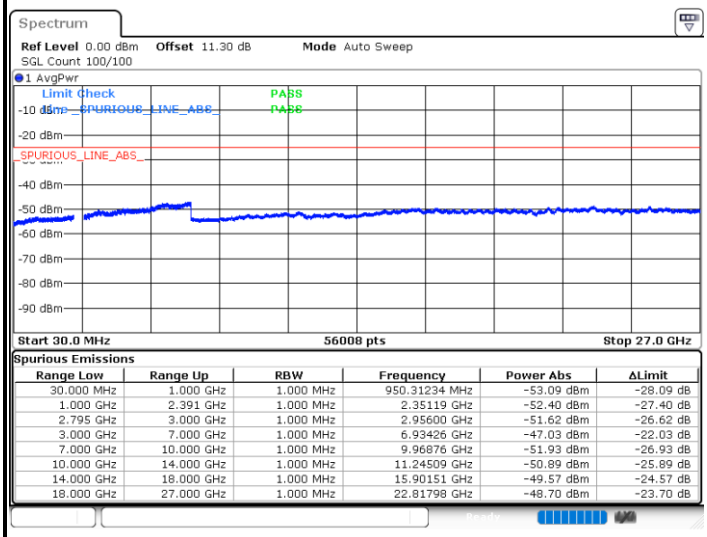

Spurious Emissions

| Range Low | Range Up | RBW | Frequency | Power Abs | ΔLimit |
|---|---|---|---|---|---|
| 30.000 MHz | 1.000 GHz | 1.000 MHz | 935.28486 MHz | -53.04 dBm | -28.04 dB |
| 1.000 GHz | 2.391 GHz | 1.000 MHz | 2.38596 GHz | -52.39 dBm | -27.39 dB |
| 2.795 GHz | 3.000 GHz | 1.000 MHz | 2.96153 GHz | -51.65 dBm | -26.65 dB |
| 3.000 GHz | 7.000 GHz | 1.000 MHz | 5.30146 GHz | -45.11 dBm | -20.11 dB |
| 7.000 GHz | 10.000 GHz | 1.000 MHz | 9.98375 GHz | -51.80 dBm | -26.80 dB |
| 10.000 GHz | 14.000 GHz | 1.000 MHz | 11.26659 GHz | -50.82 dBm | -25.82 dB |
| 14.000 GHz | 18.000 GHz | 1.000 MHz | 16.64592 GHz | -49.54 dBm | -24.54 dB |
| 18.000 GHz | 27.000 GHz | 1.000 MHz | 22.79698 GHz | -48.57 dBm | -23.57 dB |

Date: 20.JAN.2021 02:36:52

## FR1 n41 / 40MHz / DFT-S OFDM / QPSK

### Lowest Channel / 1RB

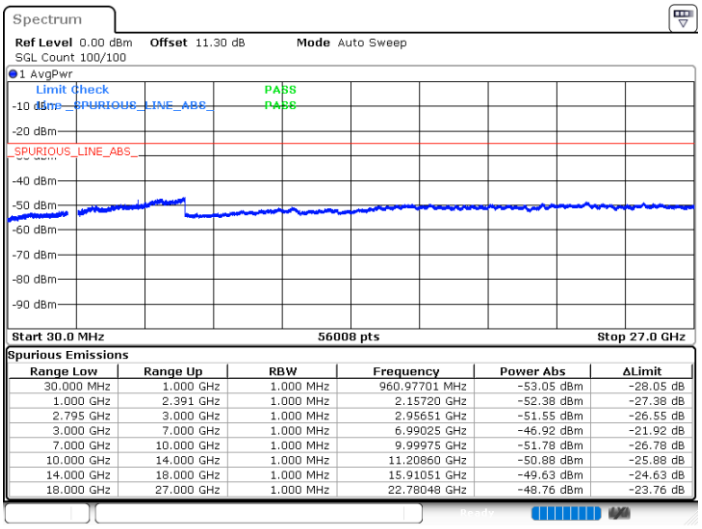



Spurious Emissions

| Range Low | Range Up | RBW | Frequency | Power Abs | ΔLimit |
|---|---|---|---|---|---|
| 30.000 MHz | 1.000 GHz | 1.000 MHz | 950.31234 MHz | -53.09 dBm | -28.09 dB |
| 1.000 GHz | 2.391 GHz | 1.000 MHz | 2.35119 GHz | -52.40 dBm | -27.40 dB |
| 2.795 GHz | 3.000 GHz | 1.000 MHz | 2.95600 GHz | -51.62 dBm | -26.62 dB |
| 3.000 GHz | 7.000 GHz | 1.000 MHz | 6.93426 GHz | -47.03 dBm | -22.03 dB |
| 7.000 GHz | 10.000 GHz | 1.000 MHz | 9.96876 GHz | -51.93 dBm | -26.93 dB |
| 10.000 GHz | 14.000 GHz | 1.000 MHz | 11.24509 GHz | -50.89 dBm | -25.89 dB |
| 14.000 GHz | 18.000 GHz | 1.000 MHz | 15.90151 GHz | -49.57 dBm | -24.57 dB |
| 18.000 GHz | 27.000 GHz | 1.000 MHz | 22.81798 GHz | -48.70 dBm | -23.70 dB |

Date: 20.JAN.2021 02:22:39

### Middle Channel / 1RB

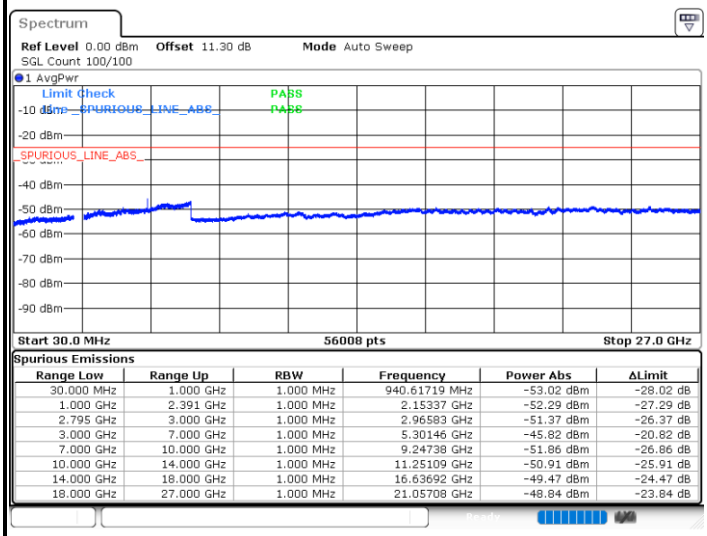



Spurious Emissions

| Range Low | Range Up | RBW | Frequency | Power Abs | ΔLimit |
|---|---|---|---|---|---|
| 30.000 MHz | 1.000 GHz | 1.000 MHz | 960.97701 MHz | -53.05 dBm | -28.05 dB |
| 1.000 GHz | 2.391 GHz | 1.000 MHz | 2.15720 GHz | -52.38 dBm | -27.38 dB |
| 2.795 GHz | 3.000 GHz | 1.000 MHz | 2.95651 GHz | -51.55 dBm | -26.55 dB |
| 3.000 GHz | 7.000 GHz | 1.000 MHz | 6.99025 GHz | -46.92 dBm | -21.92 dB |
| 7.000 GHz | 10.000 GHz | 1.000 MHz | 9.99975 GHz | -51.78 dBm | -26.78 dB |
| 10.000 GHz | 14.000 GHz | 1.000 MHz | 11.20860 GHz | -50.88 dBm | -25.88 dB |
| 14.000 GHz | 18.000 GHz | 1.000 MHz | 15.91051 GHz | -49.63 dBm | -24.63 dB |
| 18.000 GHz | 27.000 GHz | 1.000 MHz | 22.78048 GHz | -48.76 dBm | -23.76 dB |

Date: 20.JAN.2021 02:30:27

### Highest Channel / 1RB




Spurious Emissions

| Range Low | Range Up | RBW | Frequency | Power Abs | ΔLimit |
|---|---|---|---|---|---|
| 30.000 MHz | 1.000 GHz | 1.000 MHz | 940.61719 MHz | -53.02 dBm | -28.02 dB |
| 1.000 GHz | 2.391 GHz | 1.000 MHz | 2.15337 GHz | -52.29 dBm | -27.29 dB |
| 2.795 GHz | 3.000 GHz | 1.000 MHz | 2.96583 GHz | -51.37 dBm | -26.37 dB |
| 3.000 GHz | 7.000 GHz | 1.000 MHz | 5.30146 GHz | -45.82 dBm | -20.82 dB |
| 7.000 GHz | 10.000 GHz | 1.000 MHz | 9.24738 GHz | -51.86 dBm | -26.86 dB |
| 10.000 GHz | 14.000 GHz | 1.000 MHz | 11.25109 GHz | -50.91 dBm | -25.91 dB |
| 14.000 GHz | 18.000 GHz | 1.000 MHz | 16.63692 GHz | -49.47 dBm | -24.47 dB |
| 18.000 GHz | 27.000 GHz | 1.000 MHz | 21.05708 GHz | -48.84 dBm | -23.84 dB |

Date: 20.JAN.2021 02:35:15

# Frequency Stability

| Test Conditions | | NR n41 (BPSK) / Middle Channel | Limit |
|---|---|---|---|
| Temperature (°C) | Voltage (Volt) | BW 20MHz | Within Band |
| | | Deviation (ppm) | Result |
| 50 | Normal Voltage | 0.0022 | PASS |
| 40 | Normal Voltage | 0.0017 | |
| 30 | Normal Voltage | 0.0012 | |
| 20(Ref.) | Normal Voltage | 0.0025 | |
| 10 | Normal Voltage | 0.0013 | |
| 0 | Normal Voltage | 0.0012 | |
| -10 | Normal Voltage | 0.0018 | |
| -20 | Normal Voltage | 0.0025 | |
| -30 | Normal Voltage | 0.0017 | |
| 20 | Maximum Voltage | 0.0019 | |
| 20 | Normal Voltage | 0.0013 | |
| 20 | Battery End Point | 0.0031 | |

**Note:**

1. Normal Voltage =3.3 V. ; Battery End Point (BEP) =3.14 V. ; Maximum Voltage =4.4 V.
2. Note: The frequency fundamental emissions stay within the authorized frequency block.

# 5G NR n41 SA-SCS 30K

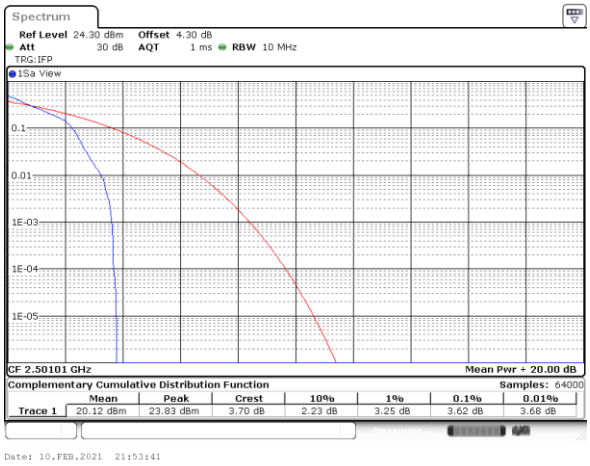
## Peak-to-Average Ratio

| Mode | FR1 n41 / 10MHz / 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 | 3.62 | 6.12 | 6.38 | 5.33 | PASS |
| Middle CH | 6.78 | 6.09 | 5.83 | 5.16 | |
| Highest CH | 3.57 | 3.77 | 6.26 | 5.45 | |

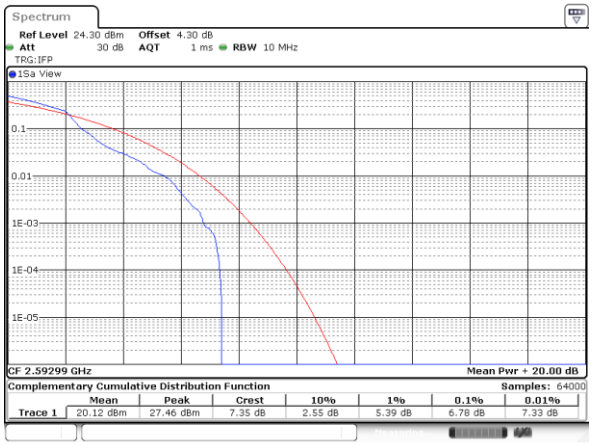
## FR1 n41 / 10MHz / DFT-S OFDM

### PI/2 BPSK

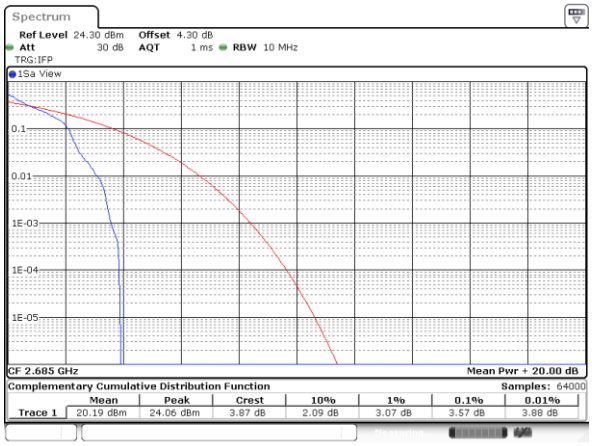
#### Lowest Channel / 1RB




#### Middle Channel / 1 RB

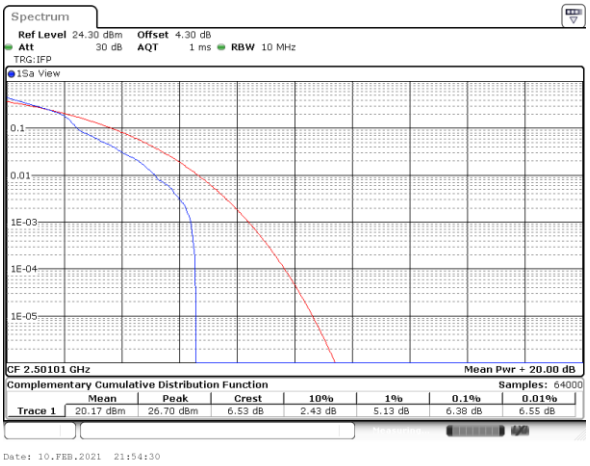



#### Highest Channel / 1 RB

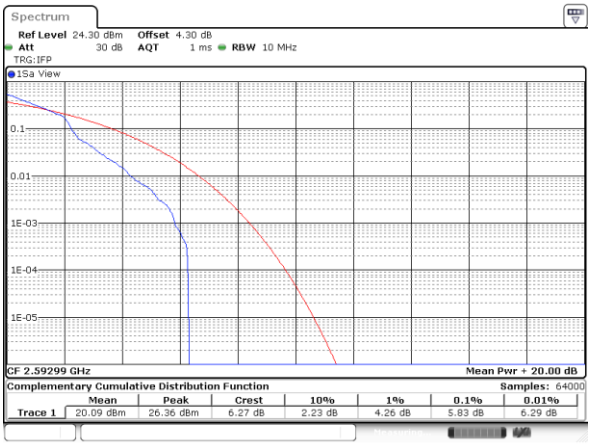



### QPSK

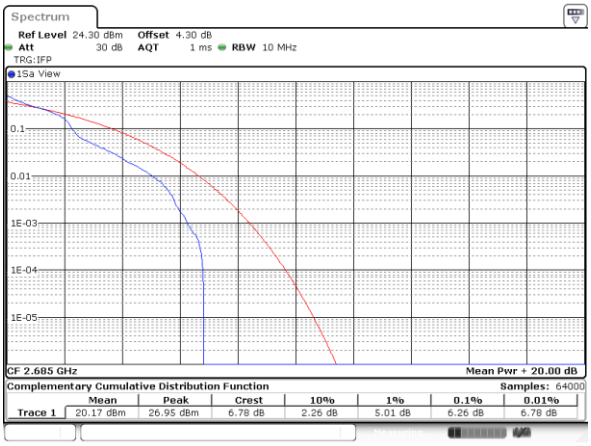
#### Lowest Channel / 1RB

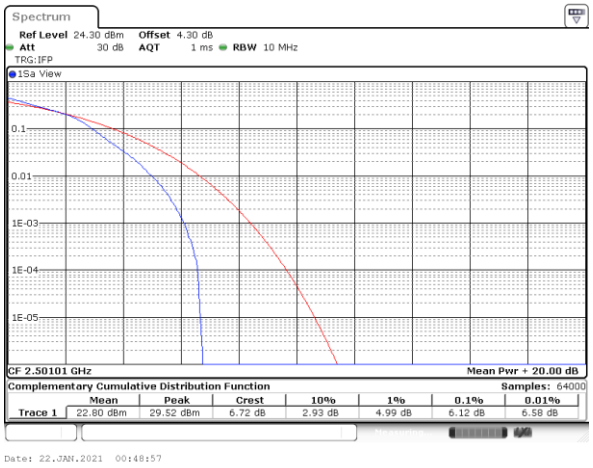
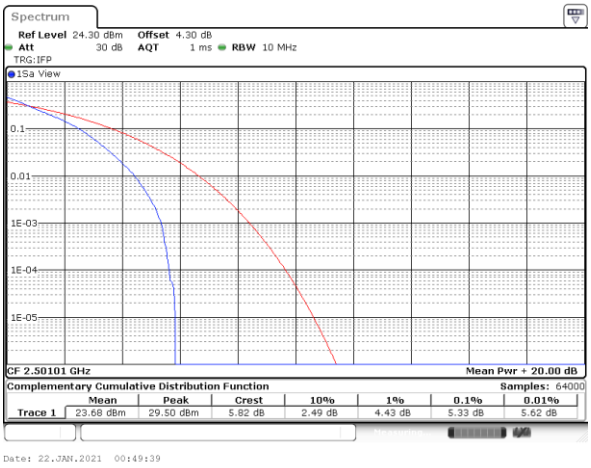
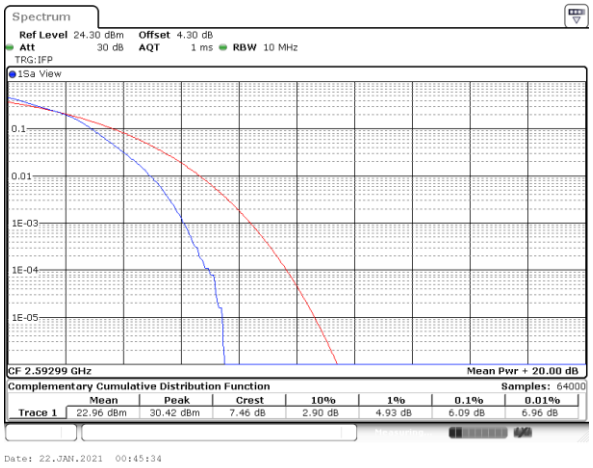
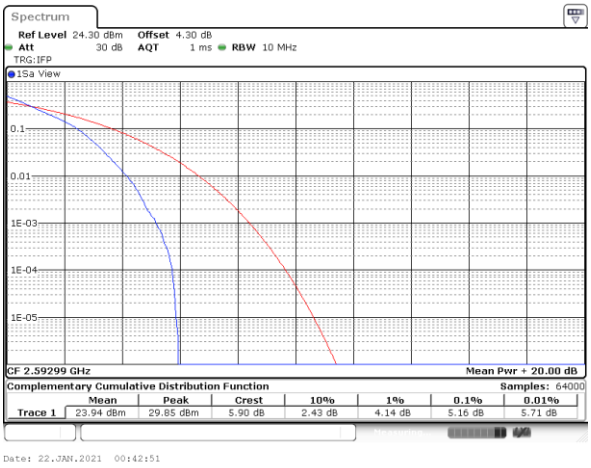
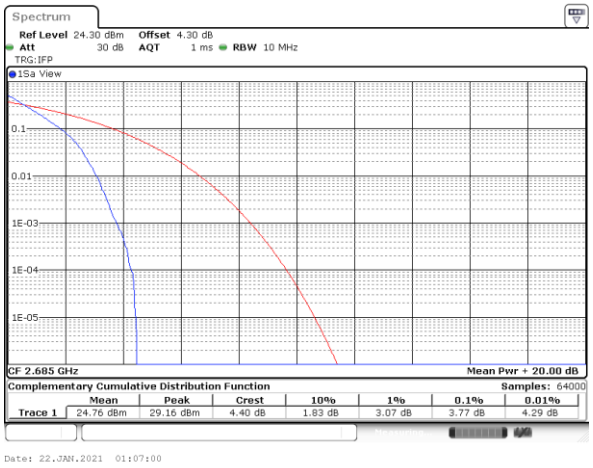
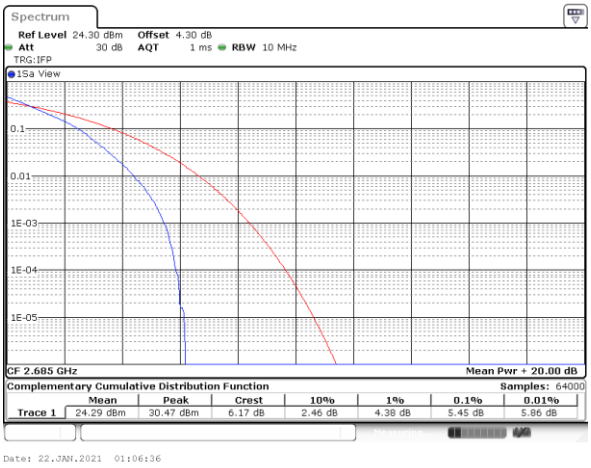



#### Middle Channel / 1 RB




#### Highest Channel / 1 RB



| FR1 n41 / 10MHz / 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 n41 : 26dB BW(MHz) / CP-OFDM | | | | | | | |
|---|---|---|---|---|---|---|---|---|
| BW | 10MHz | 10MHz | 10MHz | 10MHz | | | | |
| Mod. | QPSK | 16QAM | 64QAM | 256QAM | | | | |
| Middle CH | 9.05 | 9.25 | 9.13 | 9.19 | | | | |

| Mode | FR1 n41 : 26dB BW(MHz) / CP-OFDM | | | | | | | |
|---|---|---|---|---|---|---|---|---|
| BW | 15MHz | 15MHz | 15MHz | 15MHz | | | | |
| Mod. | QPSK | 16QAM | 64QAM | 256QAM | | | | |
| Middle CH | 14.42 | 14.36 | 14.42 | 14.54 | | | | |

| Mode | FR1 n41 : 26dB BW(MHz) / CP-OFDM | | | | | | | |
|---|---|---|---|---|---|---|---|---|
| BW | 30MHz | 30MHz | 30MHz | 30MHz | | | | |
| Mod. | QPSK | 16QAM | 64QAM | 256QAM | | | | |
| Middle CH | 28.89 | 28.83 | 28.77 | 28.77 | | | | |

| Mode | FR1 n41 : 26dB BW(MHz) / CP-OFDM | | | | | | | |
|---|---|---|---|---|---|---|---|---|
| BW | 40MHz | 40MHz | 40MHz | 40MHz | | | | |
| Mod. | QPSK | 16QAM | 64QAM | 256QAM | | | | |
| Middle CH | 40.28 | 40.36 | 40.28 | 40.51 | | | | |

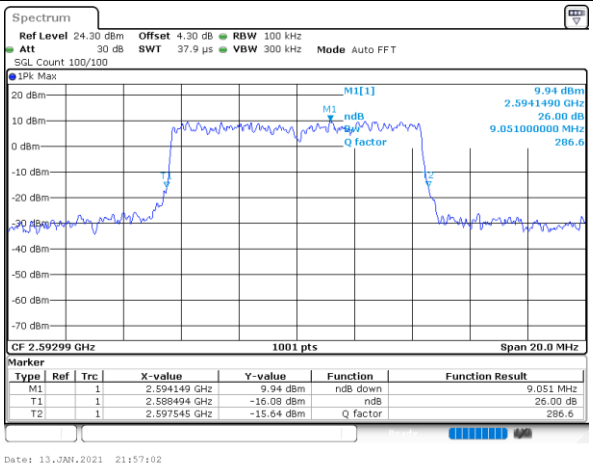
| Mode | FR1 n41 : 26dB BW(MHz) / CP-OFDM | | | | | | | |
|---|---|---|---|---|---|---|---|---|
| BW | 50MHz | 50MHz | 50MHz | 50MHz | | | | |
| Mod. | QPSK | 16QAM | 64QAM | 256QAM | | | | |
| Middle CH | 49.65 | 49.75 | 49.65 | 49.65 | | | | |

| Mode | FR1 n41 : 26dB BW(MHz) / CP-OFDM | | | | | | | |
|---|---|---|---|---|---|---|---|---|
| BW | 80MHz | 80MHz | 80MHz | 80MHz | | | | |
| Mod. | QPSK | 16QAM | 64QAM | 256QAM | | | | |
| Middle CH | 79.92 | 79.92 | 79.92 | 79.92 | | | | |

## FR1 n41 / 10MHz / CP-OFDM

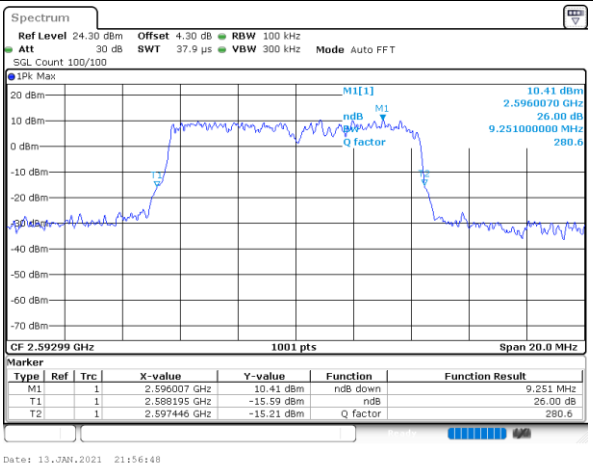
### QPSK

#### Middle Channel



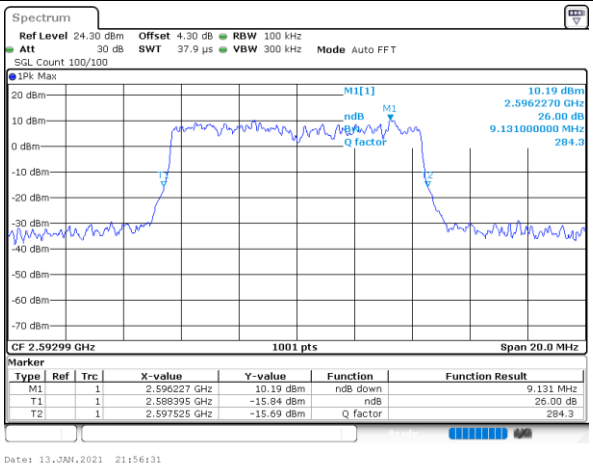

### 16QAM

#### Middle Channel



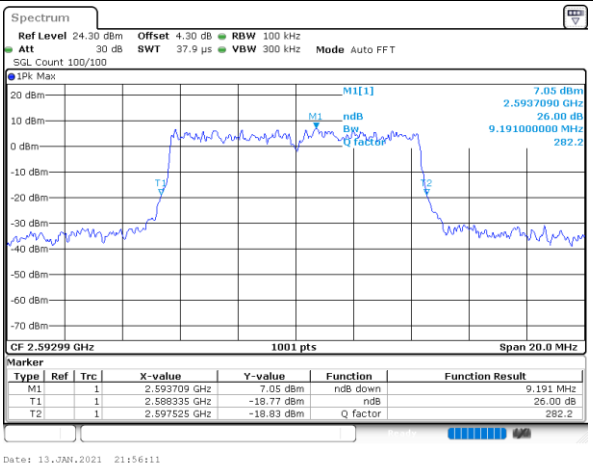

### 64QAM

#### Middle Channel




### 256QAM

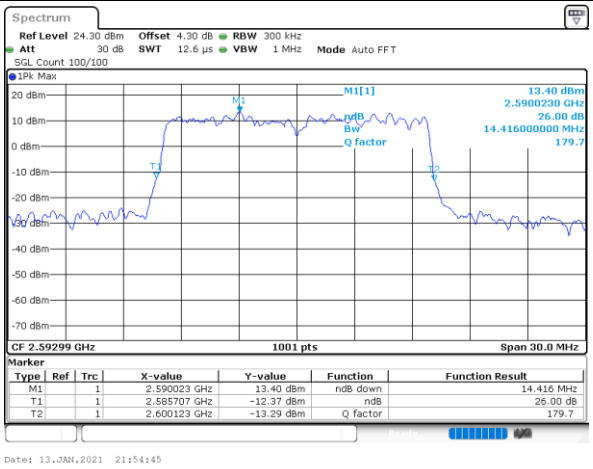
#### Middle Channel



## FR1 n41 / 15MHz / CP-OFDM

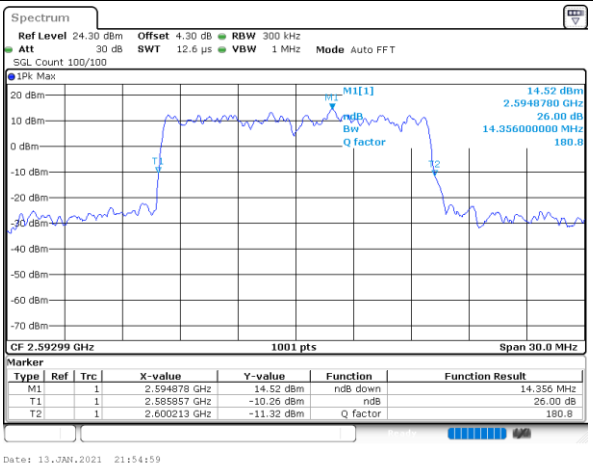
### QPSK

#### Middle Channel



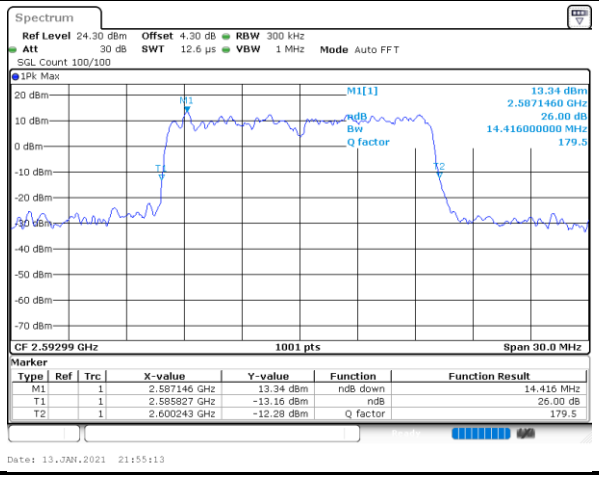

### 16QAM

#### Middle Channel



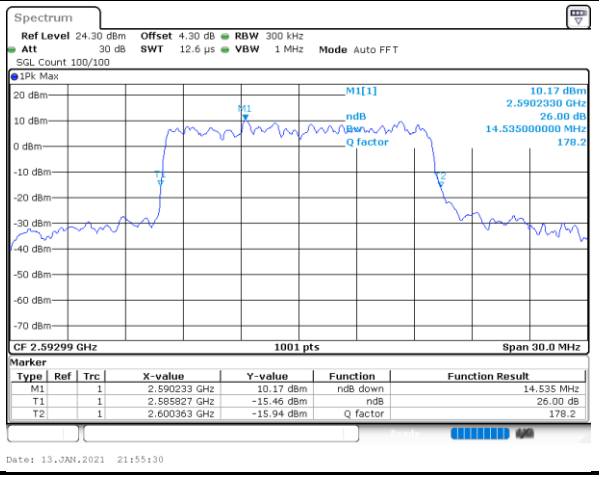

### 64QAM

#### Middle Channel




### 256QAM

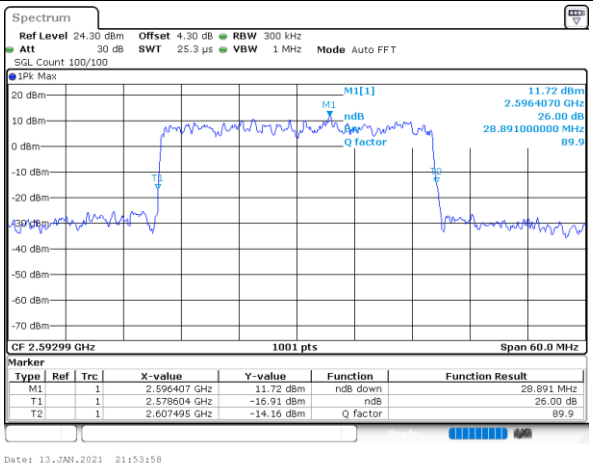
#### Middle Channel



## FR1 n41 / 30MHz / CP-OFDM

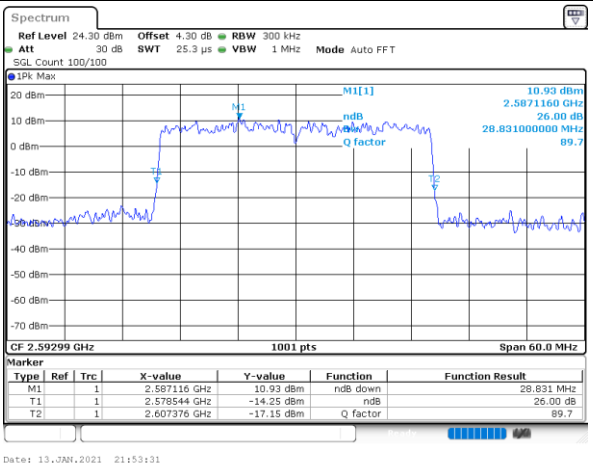
### QPSK

#### Middle Channel



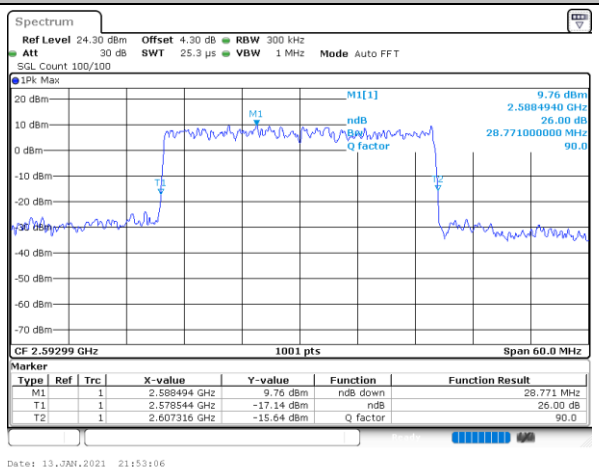

### 16QAM

#### Middle Channel



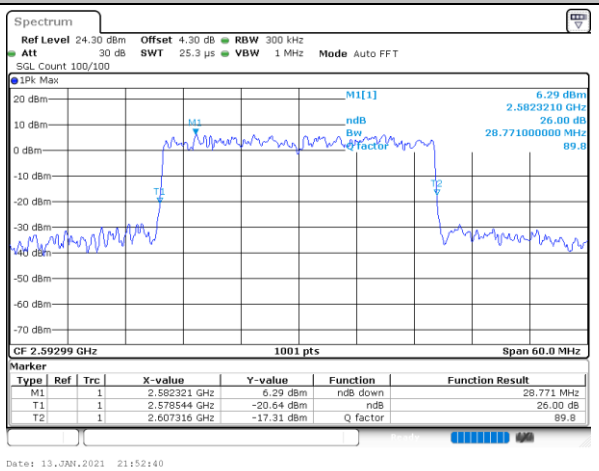

### 64QAM

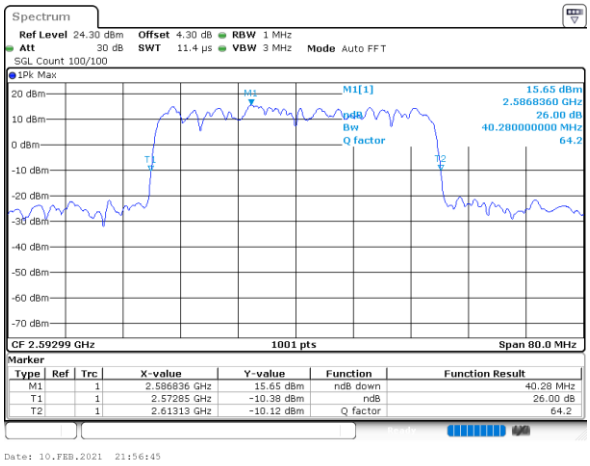
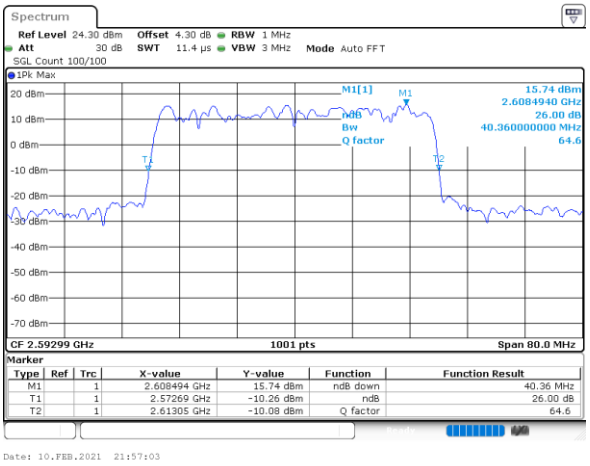
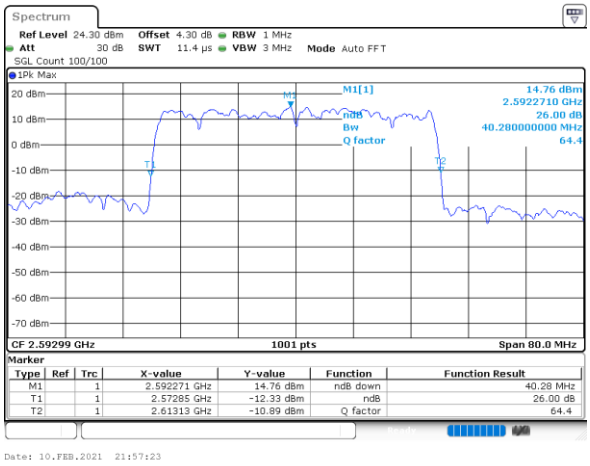
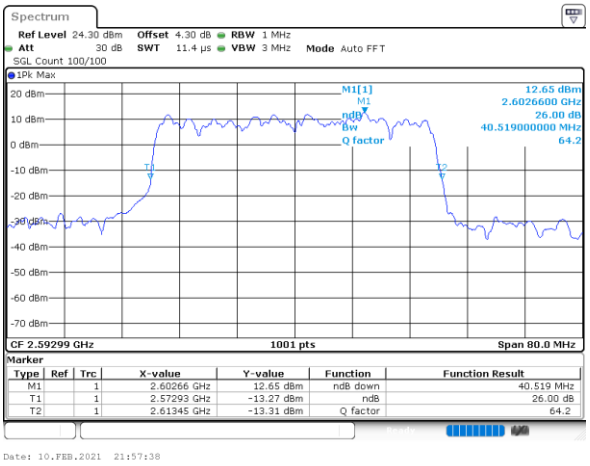
#### Middle Channel




### 256QAM

#### Middle Channel

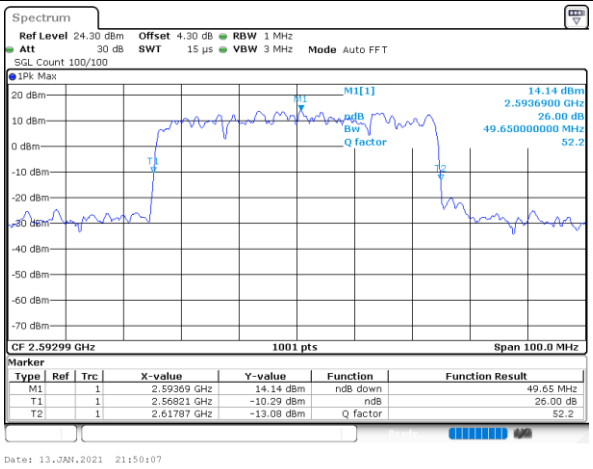


| FR1 n41 / 40MHz / CP-OFDM | |
|---|---|
| **QPSK** | **16QAM** |
| **Middle Channel** | **Middle Channel** |
|  |  |
| **64QAM** | **256QAM** |
| **Middle Channel** | **Middle Channel** |
|  |  |

## FR1 n41 / 50MHz / CP-OFDM

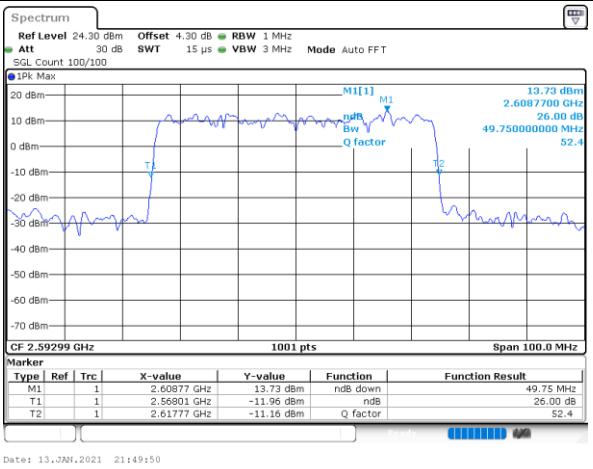
### QPSK

#### Middle Channel



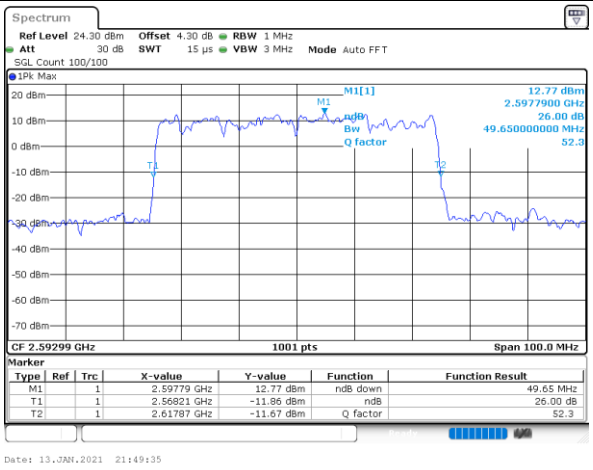

### 16QAM

#### Middle Channel



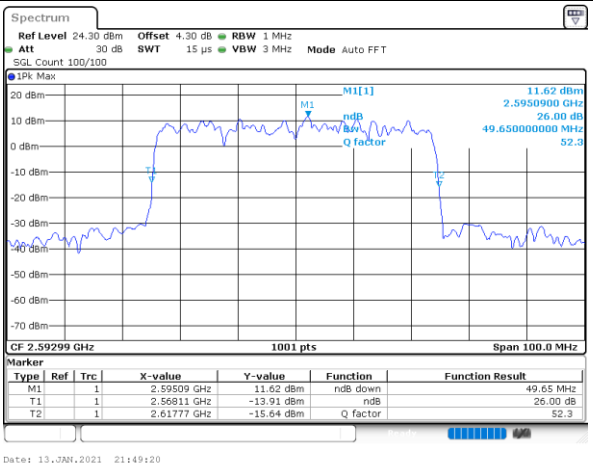

### 64QAM

#### Middle Channel




### 256QAM

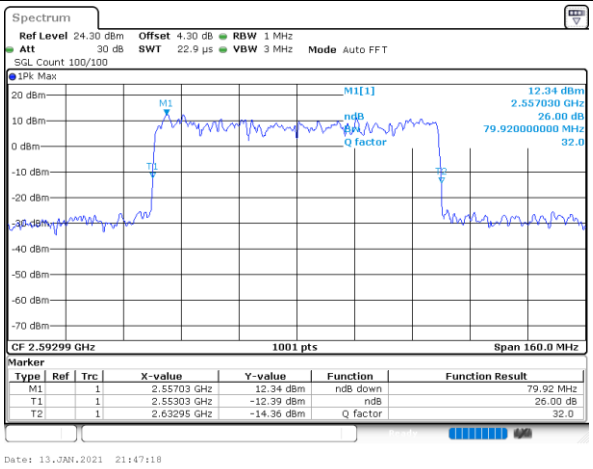
#### Middle Channel



## FR1 n41 / 80MHz / CP-OFDM

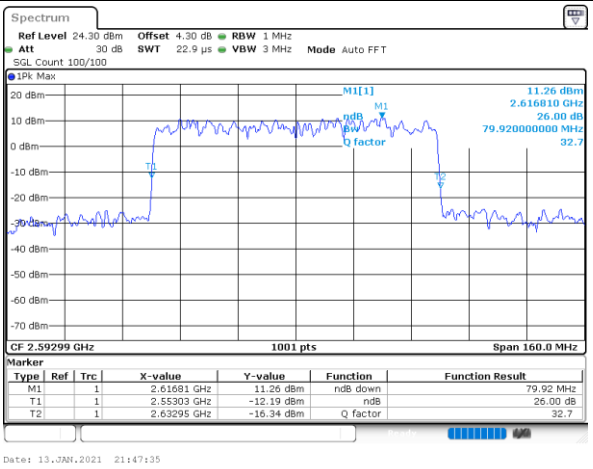
### QPSK

#### Middle Channel



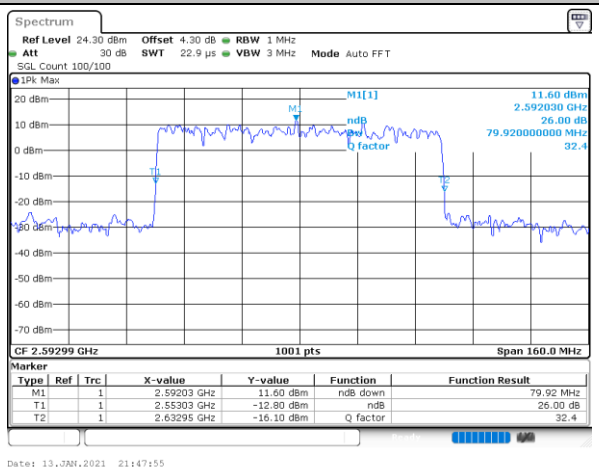

### 16QAM

#### Middle Channel



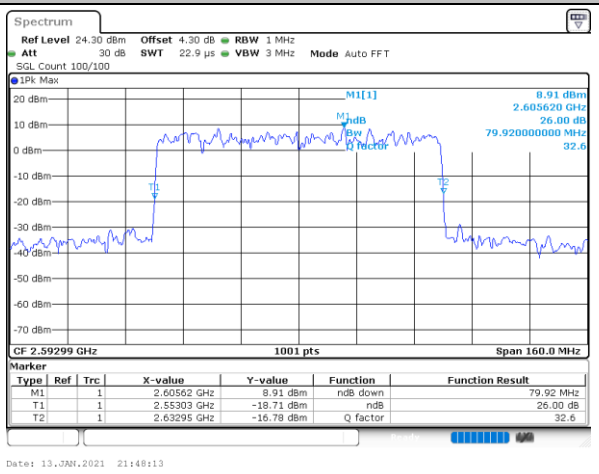

### 64QAM

#### Middle Channel




### 256QAM

#### Middle Channel



# Occupied Bandwidth

| Mode | FR1 n41 : OBW(MHz) / CP-OFDM | | | | | | | |
|---|---|---|---|---|---|---|---|---|
| BW | 10MHz | 10MHz | 10MHz | 10MHz | | | | |
| Mod. | QPSK | 16QAM | 64QAM | 256QAM | | | | |
| Middle CH | 8.57 | 8.55 | 8.59 | 8.55 | | | | |

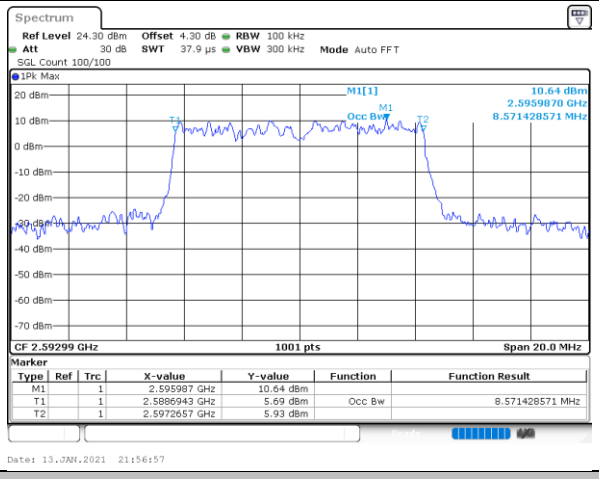
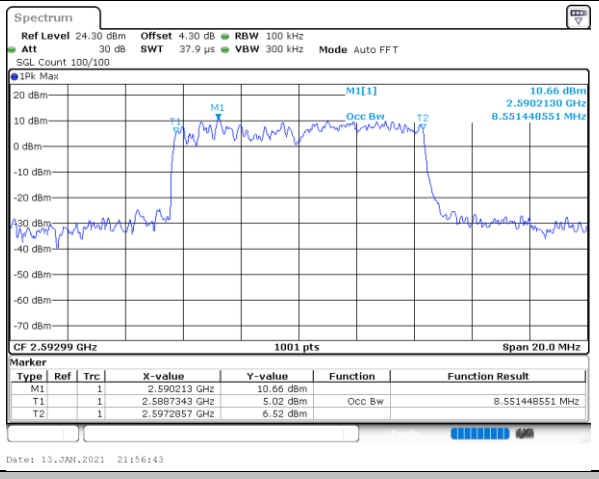
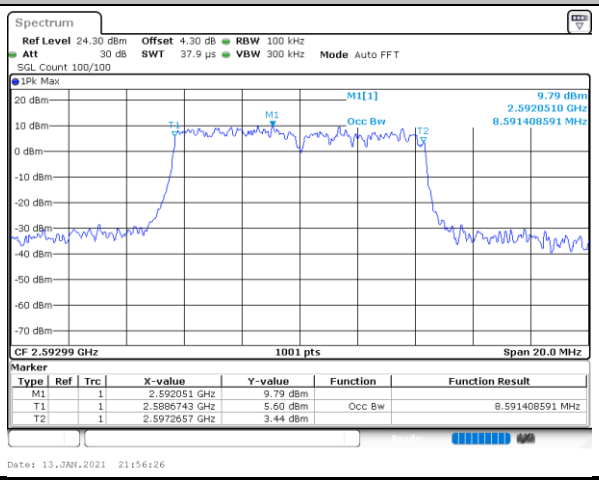
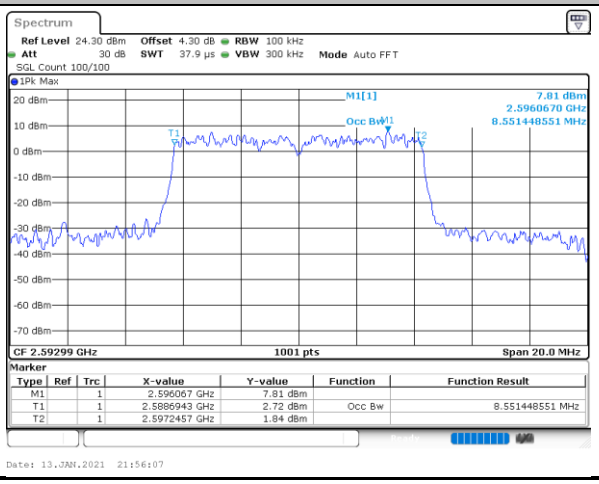
| Mode | FR1 n41 : OBW(MHz) / CP-OFDM | | | | | | | |
|---|---|---|---|---|---|---|---|---|
| BW | 15MHz | 15MHz | 15MHz | 15MHz | | | | |
| Mod. | QPSK | 16QAM | 64QAM | 256QAM | | | | |
| Middle CH | 13.64 | 13.61 | 13.61 | 13.55 | | | | |

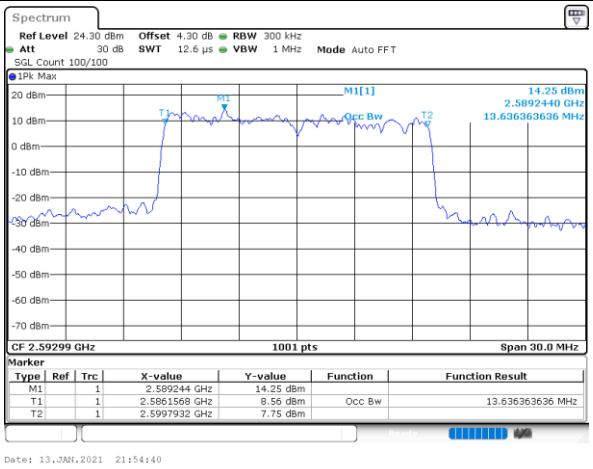
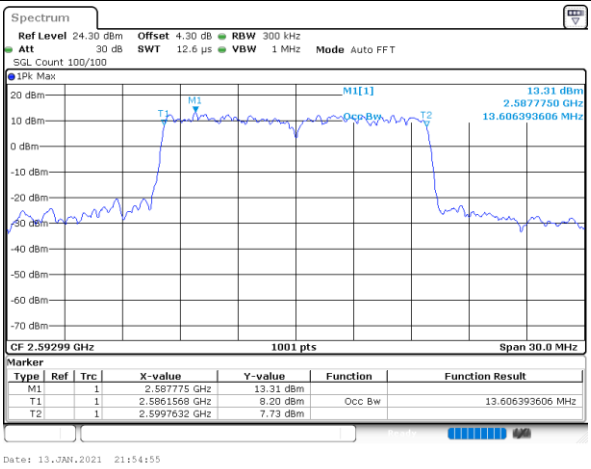
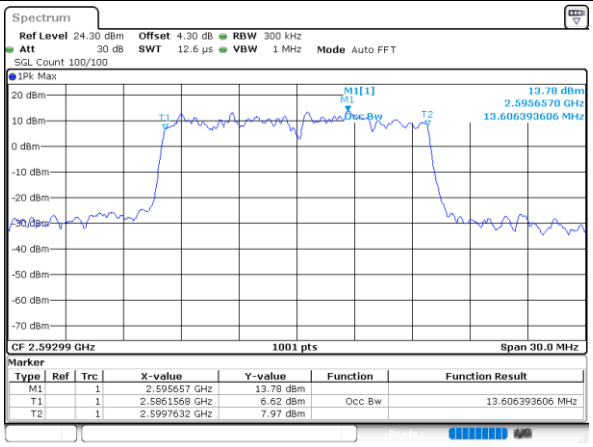
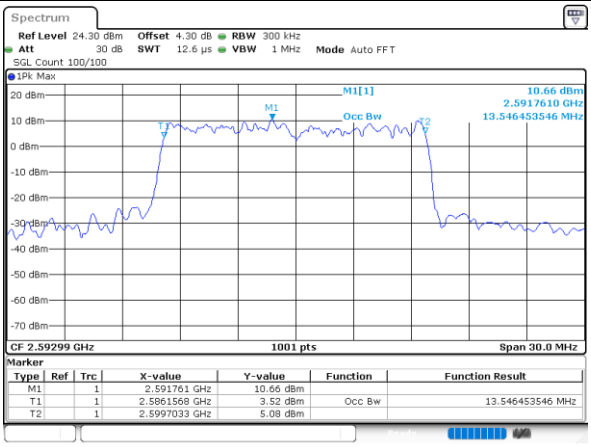
| Mode | FR1 n41 : OBW(MHz) / CP-OFDM | | | | | | | |
|---|---|---|---|---|---|---|---|---|
| BW | 30MHz | 30MHz | 30MHz | 30MHz | | | | |
| Mod. | QPSK | 16QAM | 64QAM | 256QAM | | | | |
| Middle CH | 27.51 | 27.87 | 27.63 | 27.93 | | | | |

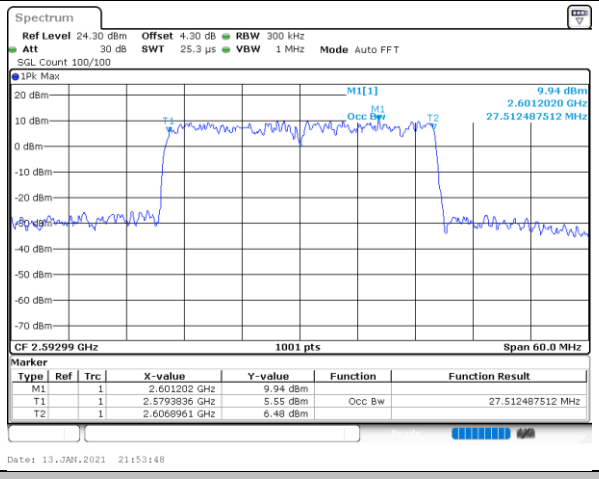
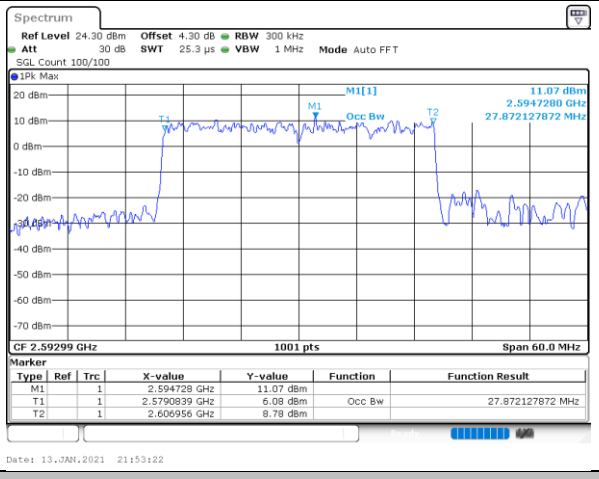
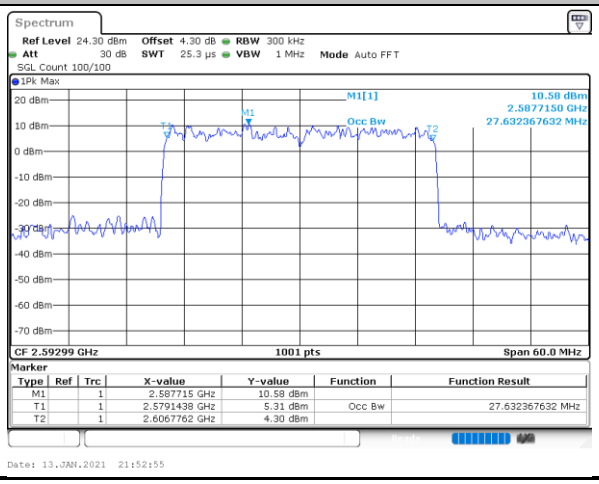
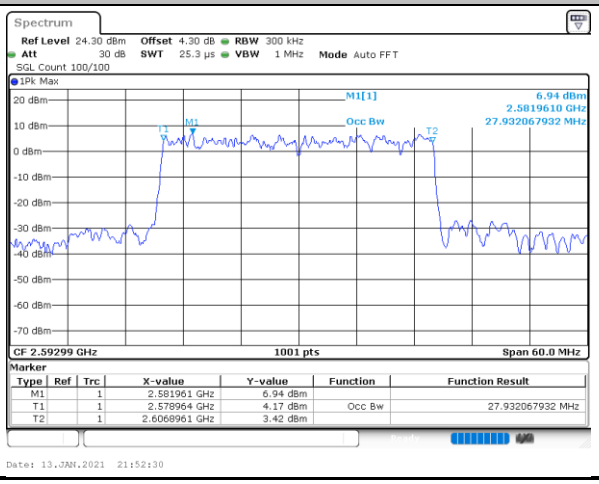
| Mode | FR1 n41 : OBW(MHz) / CP-OFDM | | | | | | | |
|---|---|---|---|---|---|---|---|---|
| BW | 40MHz | 40MHz | 40MHz | 40MHz | | | | |
| Mod. | QPSK | 16QAM | 64QAM | 256QAM | | | | |
| Middle CH | 38.12 | 37.8 | 37.88 | 38.04 | | | | |

| Mode | FR1 n41 : OBW(MHz) / CP-OFDM | | | | | | | |
|---|---|---|---|---|---|---|---|---|
| BW | 50MHz | 50MHz | 50MHz | 50MHz | | | | |
| Mod. | QPSK | 16QAM | 64QAM | 256QAM | | | | |
| Middle CH | 47.25 | 47.55 | 47.35 | 47.85 | | | | |

| Mode | FR1 n41 : OBW(MHz) / CP-OFDM | | | | | | | |
|---|---|---|---|---|---|---|---|---|
| BW | 80MHz | 80MHz | 80MHz | 80MHz | | | | |
| Mod. | QPSK | 16QAM | 64QAM | 256QAM | | | | |
| Middle CH | 77.52 | 77.84 | 77.84 | 77.84 | | | | |

| FR1 n41 / 10MHz / CP-OFDM | |
|---|---|
| **QPSK** | **16QAM** |
| **Middle Channel** | **Middle Channel** |
|  |  |
| **64QAM** | **256QAM** |
| **Middle Channel** | **Middle Channel** |
|  |  |

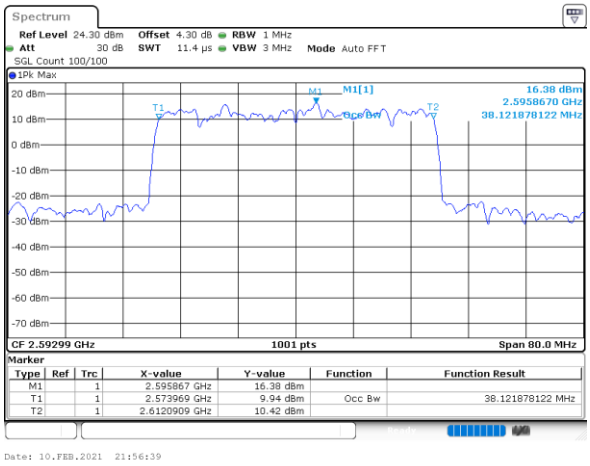
| FR1 n41 / 15MHz / CP-OFDM | |
|---|---|
| **QPSK** | **16QAM** |
| **Middle Channel** | **Middle Channel** |
|  |  |
| **64QAM** | **256QAM** |
| **Middle Channel** | **Middle Channel** |
|  |  |

| FR1 n41 / 30MHz / CP-OFDM | |
|---|---|
| **QPSK** | **16QAM** |
| **Middle Channel** | **Middle Channel** |
|  |  |
| **64QAM** | **256QAM** |
| **Middle Channel** | **Middle Channel** |
|  |  |

## FR1 n41 / 40MHz / CP-OFDM

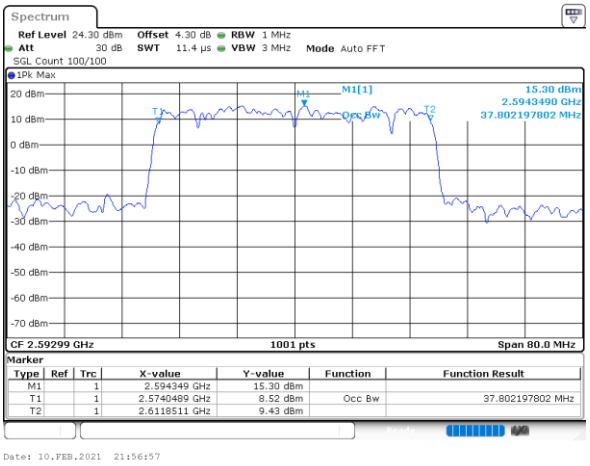
### QPSK

#### Middle Channel



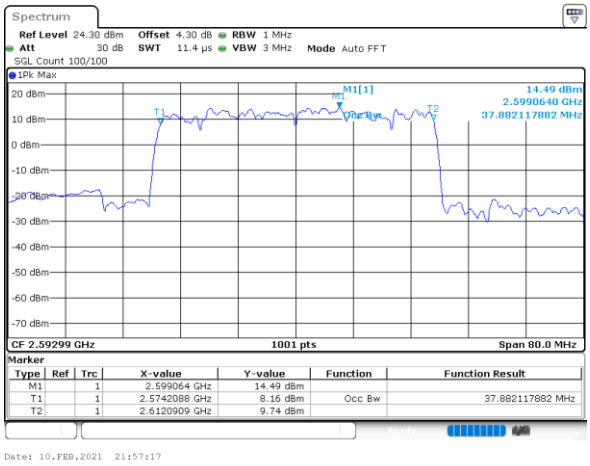

### 16QAM

#### Middle Channel



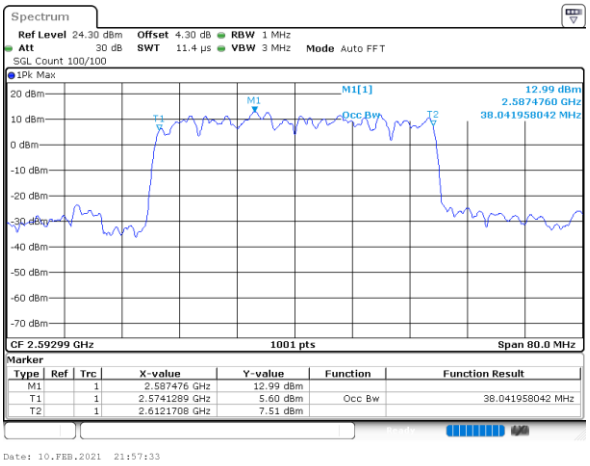

### 64QAM

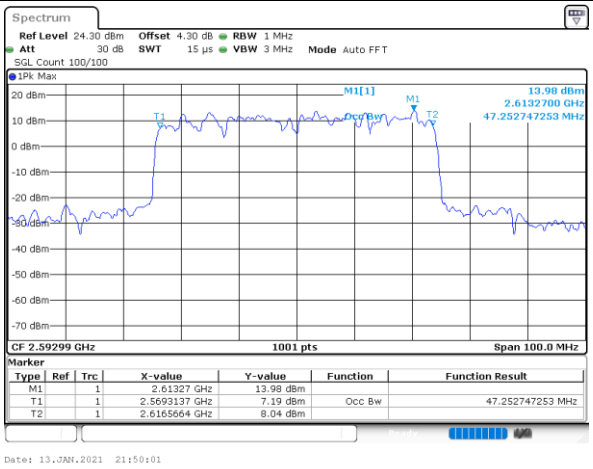
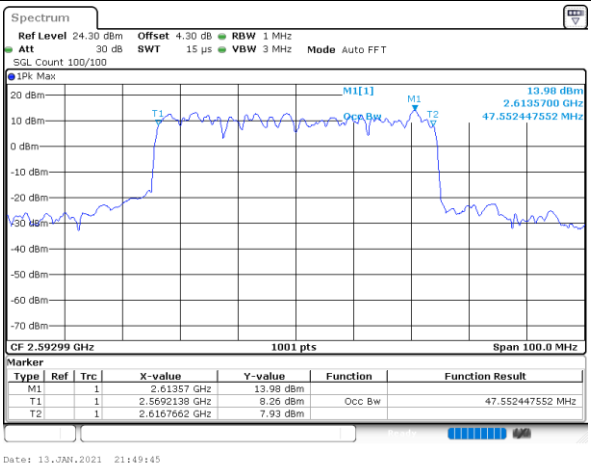
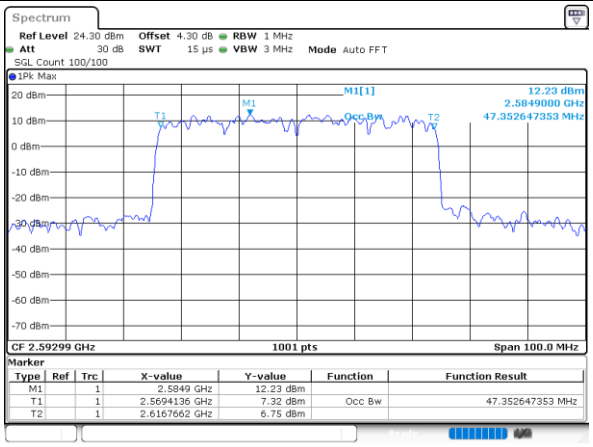
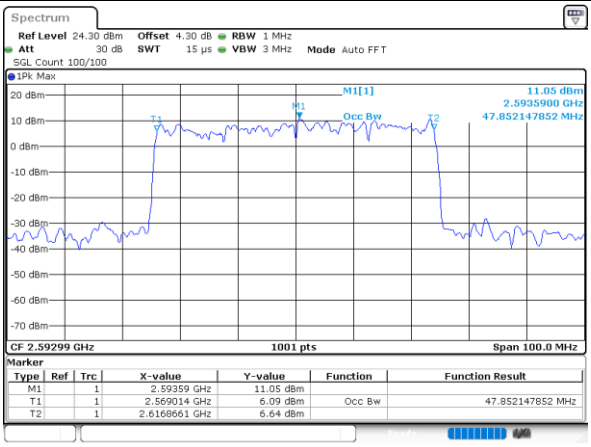
#### Middle Channel

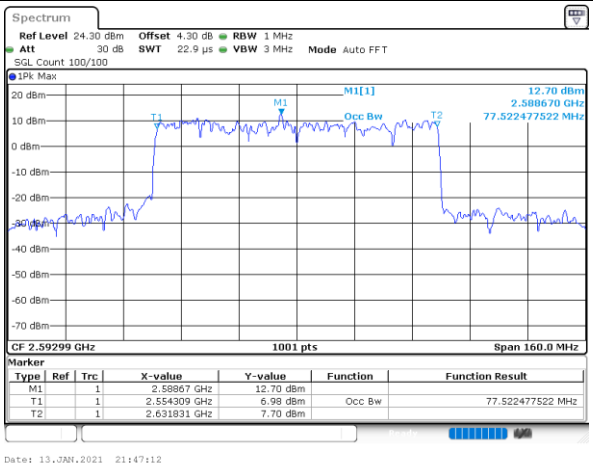
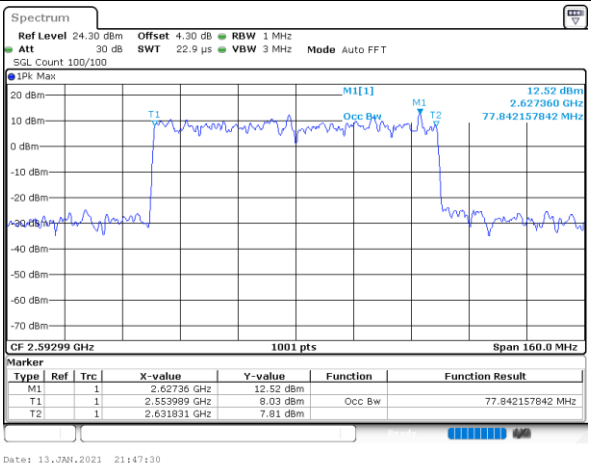
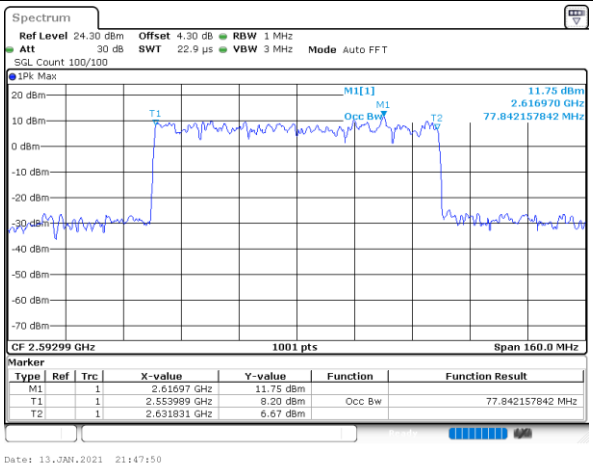
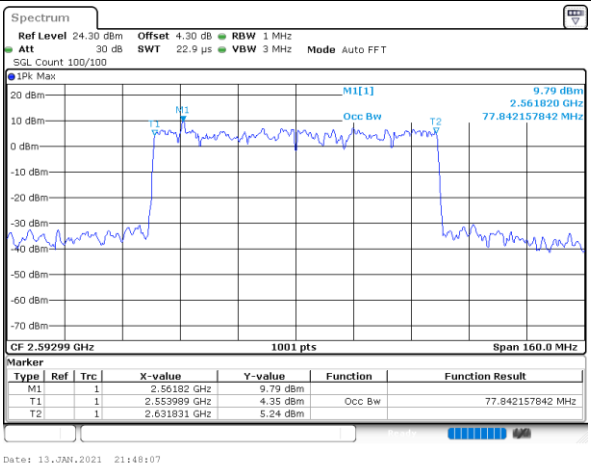



### 256QAM

#### Middle Channel



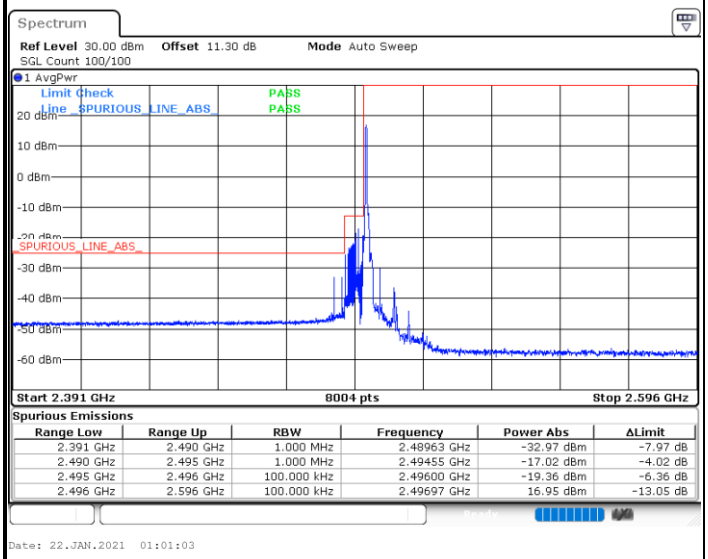
| FR1 n41 / 50MHz / CP-OFDM | |
|---|---|
| **QPSK** | **16QAM** |
| **Middle Channel** | **Middle Channel** |
|  |  |
| **64QAM** | **256QAM** |
| **Middle Channel** | **Middle Channel** |
|  |  |

| FR1 n41 / 80MHz / CP-OFDM | |
|---|---|
| **QPSK** | **16QAM** |
| **Middle Channel** | **Middle Channel** |
|  |  |
| **64QAM** | **256QAM** |
| **Middle Channel** | **Middle Channel** |
|  |  |

# Conducted Band Edge

## FR1 n41 / 10MHz / DFT-S OFDM BPSK

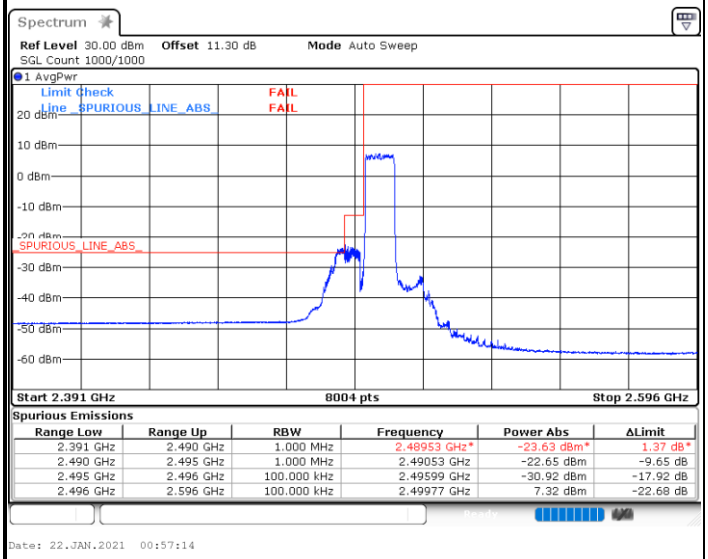
### Lowest Band Edge / 1 RB



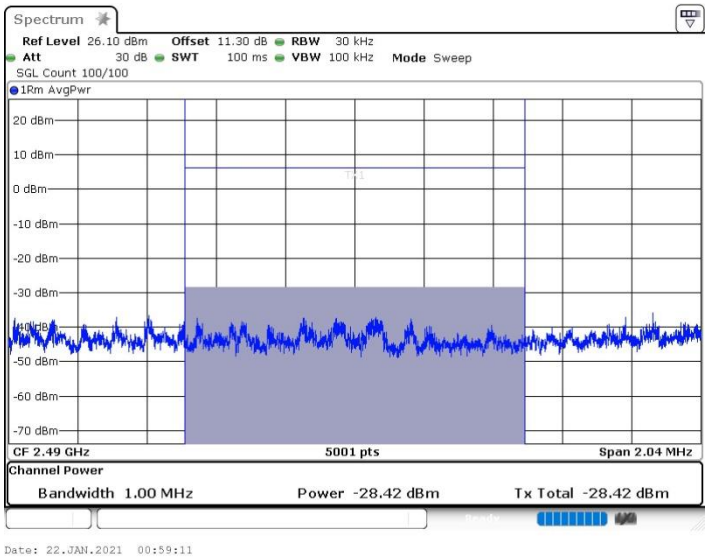

### Channel Power < -25dBm Pass

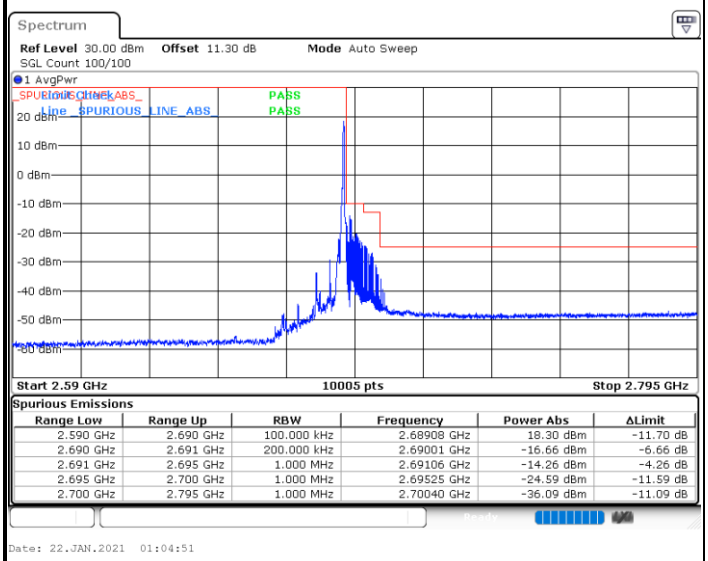
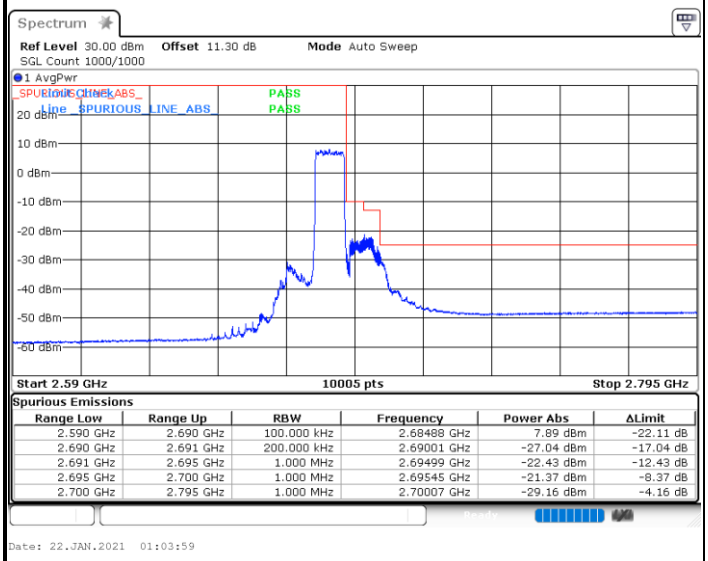
/

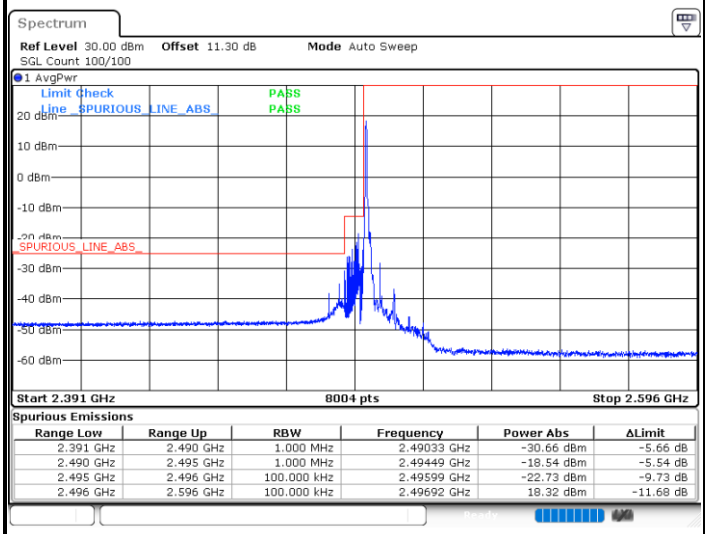
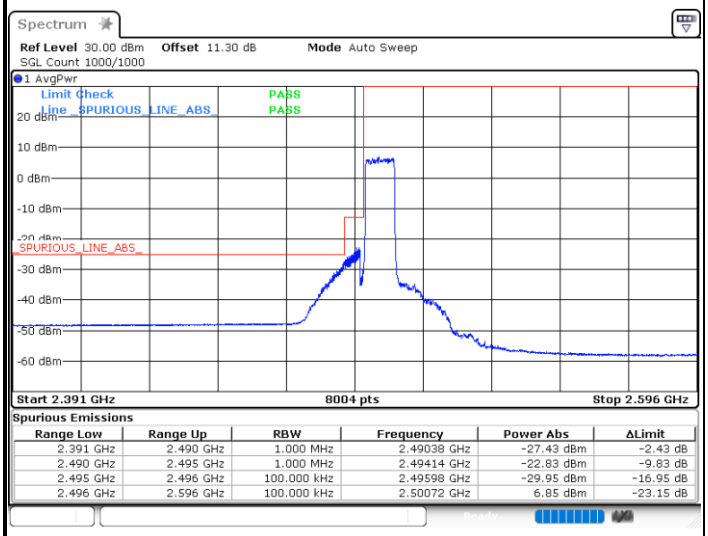
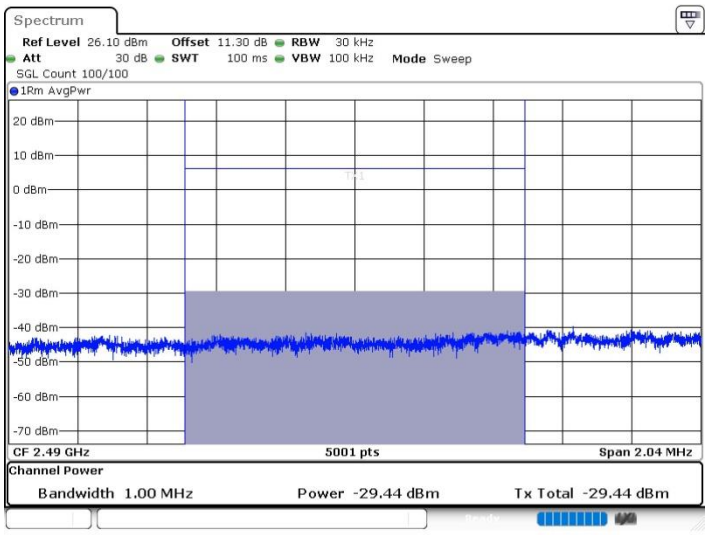
### Lowest Band Edge / Full RB

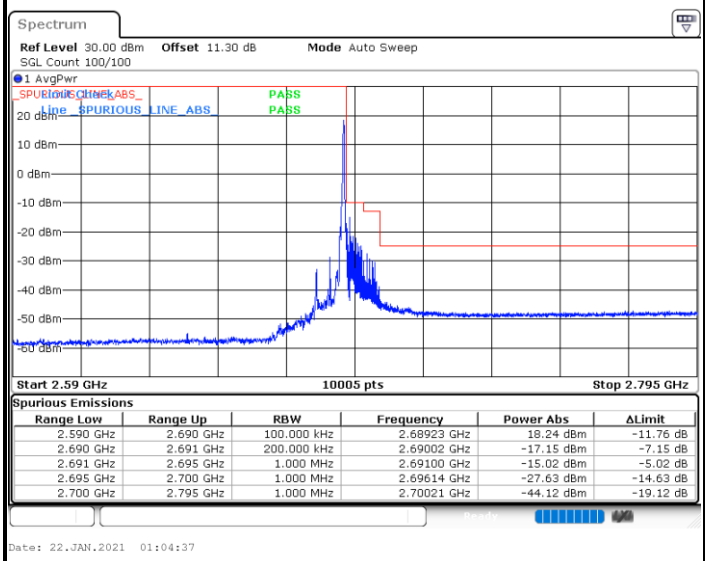
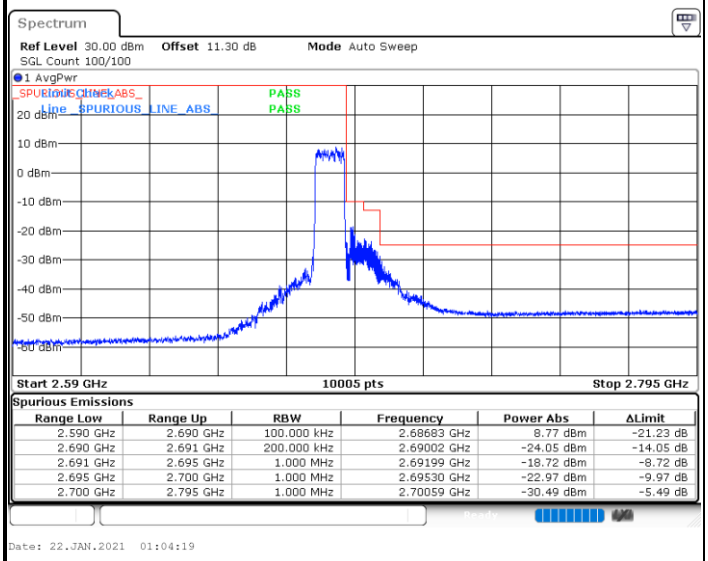



### Channel Power < -25dBm Pass



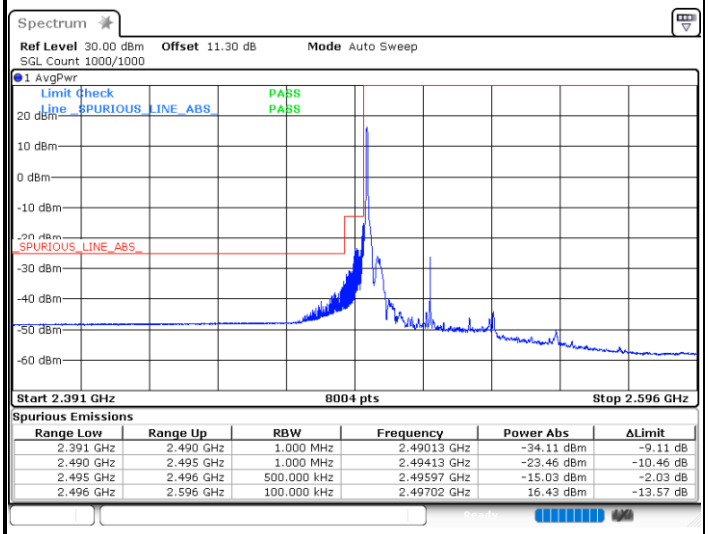
| FR1 n41 / 10MHz / DFT-S OFDM BPSK | |
|---|---|
| **Highest Band Edge / 1 RB** | **Channel Power < -13dBm Pass** |
|  | / |
| **Highest Band Edge / Full RB** | **Channel Power < -13dBm Pass** |
|  | / |

| FR1 n41 / 10MHz / DFT-S OFDM QPSK | |
|---|---|
| **Lowest Band Edge / 1 RB** | **Channel Power < -25dBm Pass** |
|  <br>Spurious Emissions<br>Range Low / Range Up / RBW / Frequency / Power Abs / ΔLimit<br>2.391 GHz / 2.490 GHz / 1.000 MHz / 2.49033 GHz / -30.66 dBm / -5.66 dB<br>2.490 GHz / 2.495 GHz / 1.000 MHz / 2.49449 GHz / -18.54 dBm / -5.54 dB<br>2.495 GHz / 2.496 GHz / 100.000 kHz / 2.49599 GHz / -22.73 dBm / -9.73 dB<br>2.496 GHz / 2.596 GHz / 100.000 kHz / 2.49692 GHz / 18.32 dBm / -11.68 dB<br>Date: 22.JAN.2021 01:00:49 | / |
| **Lowest Band Edge / Full RB** | **Channel Power < -25dBm Pass** |
|  <br>Spurious Emissions<br>Range Low / Range Up / RBW / Frequency / Power Abs / ΔLimit<br>2.391 GHz / 2.490 GHz / 1.000 MHz / 2.49038 GHz / -27.43 dBm / -2.43 dB<br>2.490 GHz / 2.495 GHz / 1.000 MHz / 2.49414 GHz / -22.83 dBm / -9.83 dB<br>2.495 GHz / 2.496 GHz / 100.000 kHz / 2.49598 GHz / -29.95 dBm / -16.95 dB<br>2.496 GHz / 2.596 GHz / 100.000 kHz / 2.50072 GHz / 6.85 dBm / -23.15 dB<br>Date: 22.JAN.2021 00:51:46 |  <br>Date: 22.JAN.2021 00:59:30 |

| FR1 n41 / 10MHz / DFT-S OFDM QPSK | |
|---|---|
| **Highest Band Edge / 1 RB** | **Channel Power < -13dBm Pass** |
|  <br>Spurious Emissions<br>Range Low / Range Up / RBW / Frequency / Power Abs / ΔLimit<br>2.590 GHz / 2.690 GHz / 100.000 kHz / 2.68923 GHz / 18.24 dBm / -11.76 dB<br>2.690 GHz / 2.691 GHz / 200.000 kHz / 2.69002 GHz / -17.15 dBm / -7.15 dB<br>2.691 GHz / 2.695 GHz / 1.000 MHz / 2.69100 GHz / -15.02 dBm / -5.02 dB<br>2.695 GHz / 2.700 GHz / 1.000 MHz / 2.69614 GHz / -27.63 dBm / -14.63 dB<br>2.700 GHz / 2.795 GHz / 1.000 MHz / 2.70021 GHz / -44.12 dBm / -19.12 dB<br>Date: 22.JAN.2021 01:04:37 | / |
| **Highest Band Edge / Full RB** | **Channel Power < -13dBm Pass** |
|  <br>Spurious Emissions<br>Range Low / Range Up / RBW / Frequency / Power Abs / ΔLimit<br>2.590 GHz / 2.690 GHz / 100.000 kHz / 2.68683 GHz / 8.77 dBm / -21.23 dB<br>2.690 GHz / 2.691 GHz / 200.000 kHz / 2.69002 GHz / -24.05 dBm / -14.05 dB<br>2.691 GHz / 2.695 GHz / 1.000 MHz / 2.69199 GHz / -18.72 dBm / -8.72 dB<br>2.695 GHz / 2.700 GHz / 1.000 MHz / 2.69530 GHz / -22.97 dBm / -9.97 dB<br>2.700 GHz / 2.795 GHz / 1.000 MHz / 2.70059 GHz / -30.49 dBm / -5.49 dB<br>Date: 22.JAN.2021 01:04:19 | / |

## FR1 n41 / 40MHz / DFT-S OFDM BPSK

### Lowest Band Edge / 1 RB

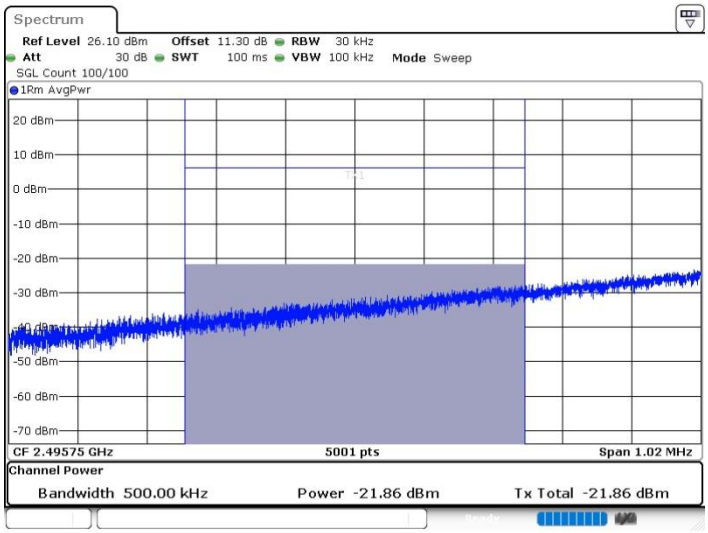



Spurious Emissions

| Range Low | Range Up | RBW | Frequency | Power Abs | ΔLimit |
|---|---|---|---|---|---|
| 2.391 GHz | 2.490 GHz | 1.000 MHz | 2.49013 GHz | -34.11 dBm | -9.11 dB |
| 2.490 GHz | 2.495 GHz | 1.000 MHz | 2.49413 GHz | -23.46 dBm | -10.46 dB |
| 2.495 GHz | 2.496 GHz | 500.000 kHz | 2.49597 GHz | -15.03 dBm | -2.03 dB |
| 2.496 GHz | 2.596 GHz | 100.000 kHz | 2.49702 GHz | 16.43 dBm | -13.57 dB |

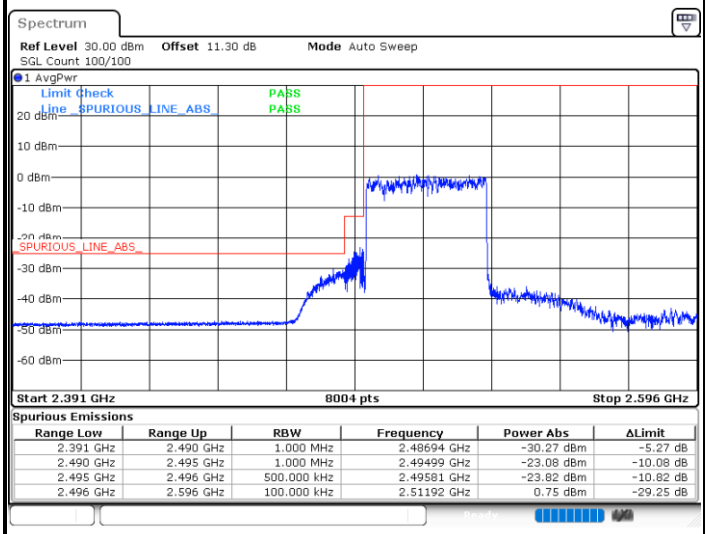
Date: 22.JAN.2021 00:30:00

### Channel Power < -13dBm Pass




Date: 22.JAN.2021 00:35:18

### Lowest Band Edge / Full RB




Spurious Emissions

| Range Low | Range Up | RBW | Frequency | Power Abs | ΔLimit |
|---|---|---|---|---|---|
| 2.391 GHz | 2.490 GHz | 1.000 MHz | 2.48694 GHz | -30.27 dBm | -5.27 dB |
| 2.490 GHz | 2.495 GHz | 1.000 MHz | 2.49499 GHz | -23.08 dBm | -10.08 dB |
| 2.495 GHz | 2.496 GHz | 500.000 kHz | 2.49581 GHz | -23.82 dBm | -10.82 dB |
| 2.496 GHz | 2.596 GHz | 100.000 kHz | 2.51192 GHz | 0.75 dBm | -29.25 dB |

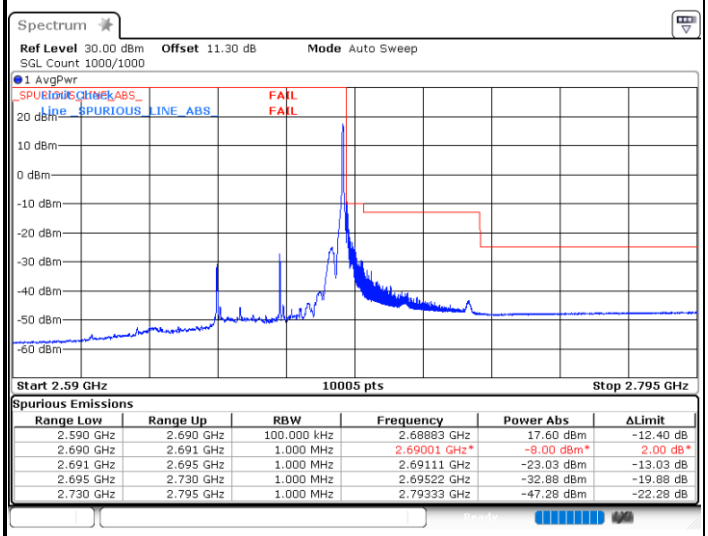
Date: 22.JAN.2021 00:28:41

### Channel Power < -13dBm Pass

/

## FR1 n41 / 40MHz / DFT-S OFDM BPSK

### Highest Band Edge / 1 RB

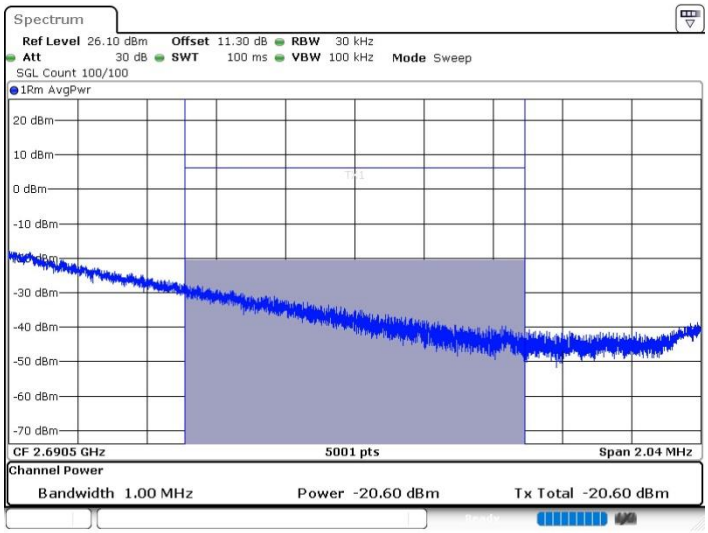



Spurious Emissions

| Range Low | Range Up | RBW | Frequency | Power Abs | ΔLimit |
|---|---|---|---|---|---|
| 2.590 GHz | 2.690 GHz | 100.000 kHz | 2.68883 GHz | 17.60 dBm | -12.40 dB |
| 2.690 GHz | 2.691 GHz | 1.000 MHz | 2.69001 GHz* | -8.00 dBm* | 2.00 dB* |
| 2.691 GHz | 2.695 GHz | 1.000 MHz | 2.69111 GHz | -23.03 dBm | -13.03 dB |
| 2.695 GHz | 2.730 GHz | 1.000 MHz | 2.69522 GHz | -32.88 dBm | -19.88 dB |
| 2.730 GHz | 2.795 GHz | 1.000 MHz | 2.79333 GHz | -47.28 dBm | -22.28 dB |

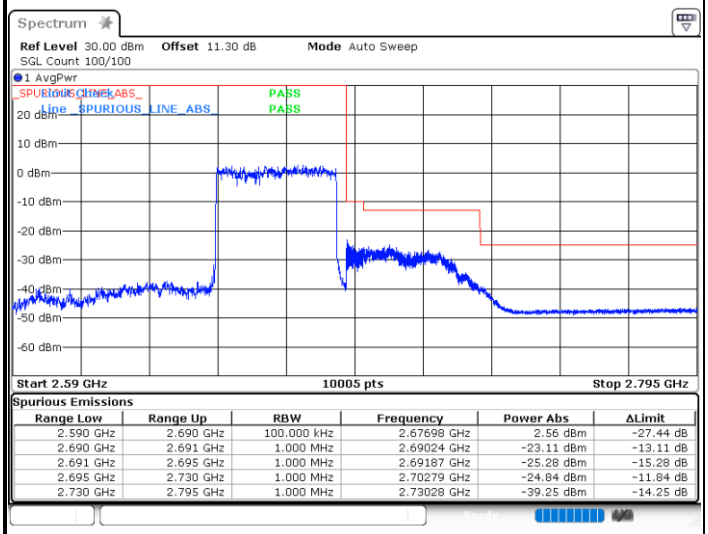
Date: 10.FEB.2021 22:07:47

### Channel Power < -10dBm Pass




Date: 10.FEB.2021 22:12:33

### Highest Band Edge / Full RB




Spurious Emissions

| Range Low | Range Up | RBW | Frequency | Power Abs | ΔLimit |
|---|---|---|---|---|---|
| 2.590 GHz | 2.690 GHz | 100.000 kHz | 2.67698 GHz | 2.56 dBm | -27.44 dB |
| 2.690 GHz | 2.691 GHz | 1.000 MHz | 2.69024 GHz | -23.11 dBm | -13.11 dB |
| 2.691 GHz | 2.695 GHz | 1.000 MHz | 2.69187 GHz | -25.28 dBm | -15.28 dB |
| 2.695 GHz | 2.730 GHz | 1.000 MHz | 2.70279 GHz | -24.84 dBm | -11.84 dB |
| 2.730 GHz | 2.795 GHz | 1.000 MHz | 2.73028 GHz | -39.25 dBm | -14.25 dB |

Date: 10.FEB.2021 22:06:12

### Channel Power < -10dBm Pass

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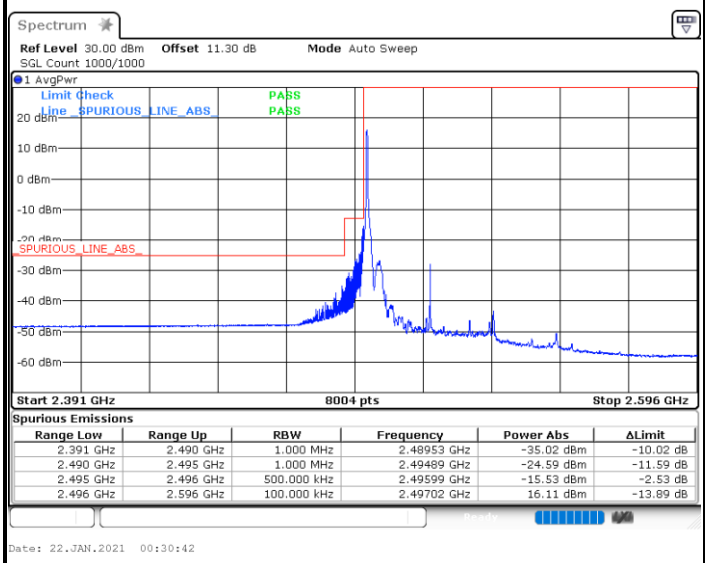
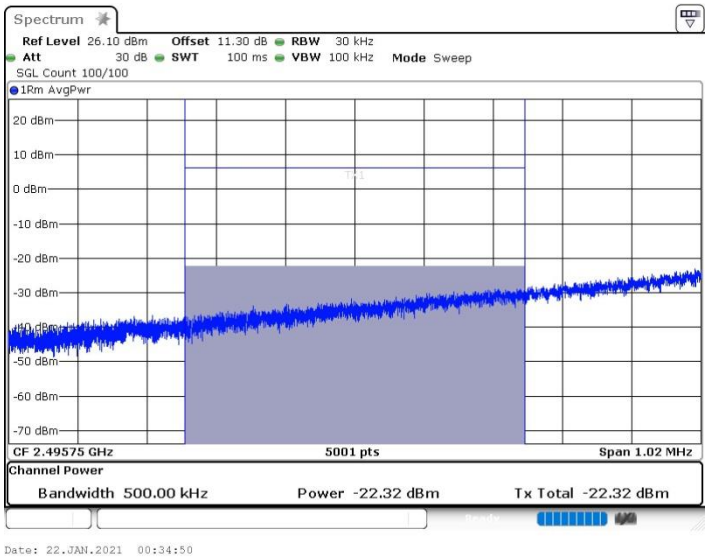
## FR1 n41 / 40MHz / DFT-S OFDM QPSK

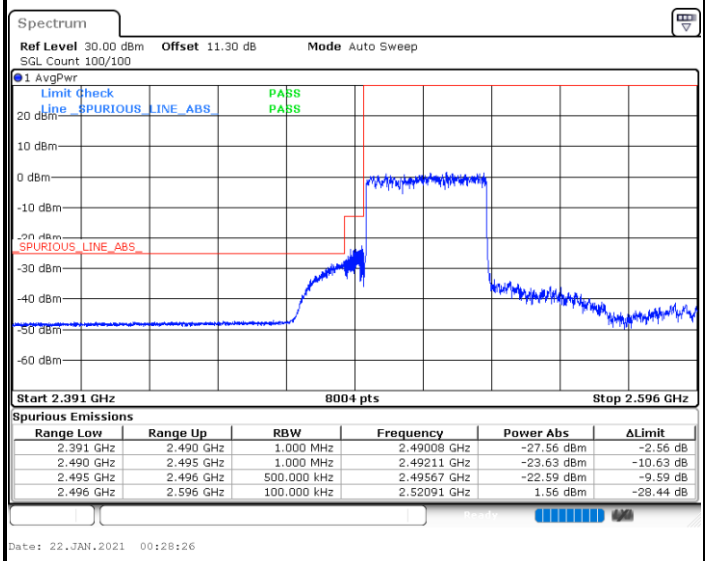
### Lowest Band Edge / 1 RB



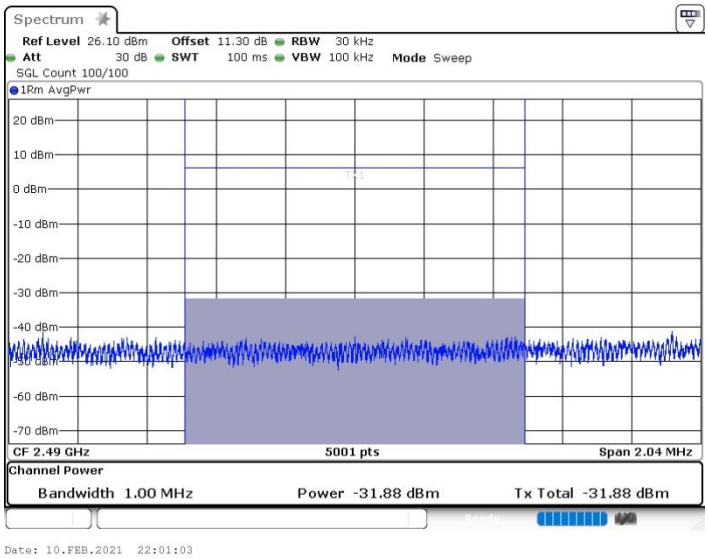

### Channel Power < -13dBm Pass




### Lowest Band Edge / Full RB

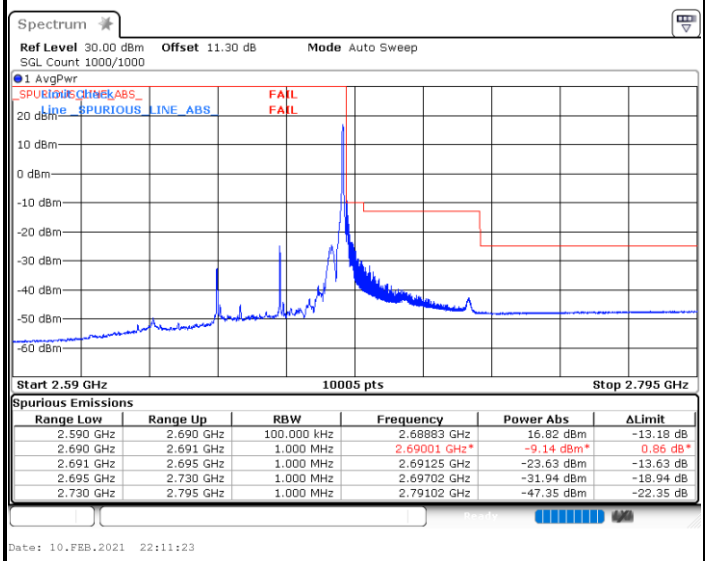



### Channel Power < -25dBm Pass



## FR1 n41 / 40MHz / DFT-S OFDM QPSK

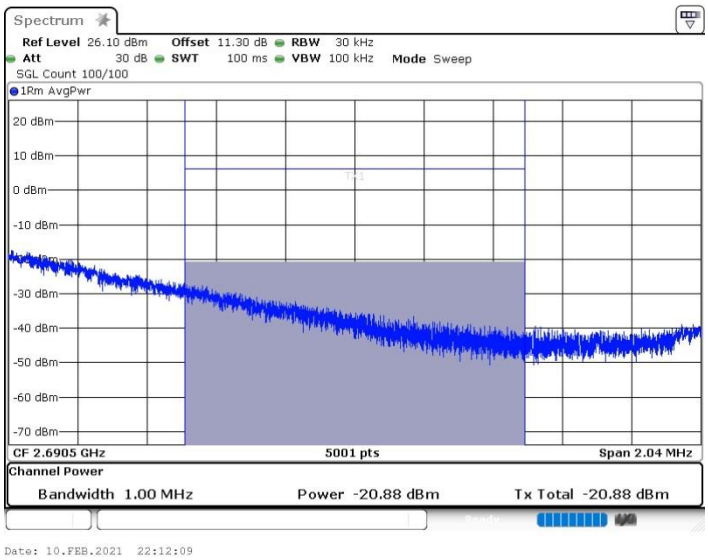
### Highest Band Edge / 1 RB



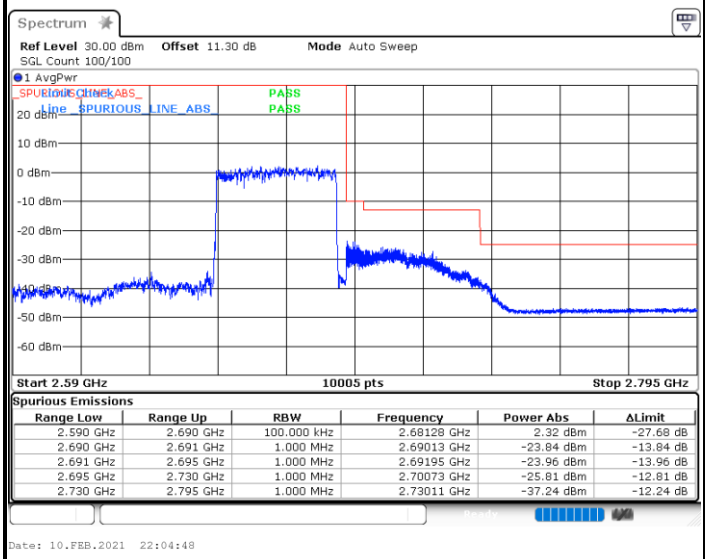

Spurious Emissions

| Range Low | Range Up | RBW | Frequency | Power Abs | ΔLimit |
|---|---|---|---|---|---|
| 2.590 GHz | 2.690 GHz | 100.000 kHz | 2.68883 GHz | 16.82 dBm | -13.18 dB |
| 2.690 GHz | 2.691 GHz | 1.000 MHz | 2.69001 GHz* | -9.14 dBm* | 0.86 dB* |
| 2.691 GHz | 2.695 GHz | 1.000 MHz | 2.69125 GHz | -23.63 dBm | -13.63 dB |
| 2.695 GHz | 2.730 GHz | 1.000 MHz | 2.69702 GHz | -31.94 dBm | -18.94 dB |
| 2.730 GHz | 2.795 GHz | 1.000 MHz | 2.79102 GHz | -47.35 dBm | -22.35 dB |

### Channel Power < -10dBm Pass




### Highest Band Edge / Full RB




Spurious Emissions

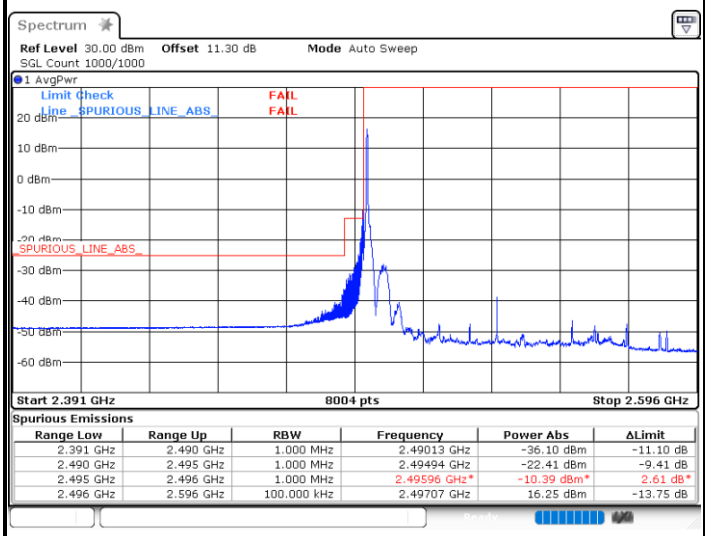
| Range Low | Range Up | RBW | Frequency | Power Abs | ΔLimit |
|---|---|---|---|---|---|
| 2.590 GHz | 2.690 GHz | 100.000 kHz | 2.68128 GHz | 2.32 dBm | -27.68 dB |
| 2.690 GHz | 2.691 GHz | 1.000 MHz | 2.69013 GHz | -23.84 dBm | -13.84 dB |
| 2.691 GHz | 2.695 GHz | 1.000 MHz | 2.69195 GHz | -23.96 dBm | -13.96 dB |
| 2.695 GHz | 2.730 GHz | 1.000 MHz | 2.70073 GHz | -25.81 dBm | -12.81 dB |
| 2.730 GHz | 2.795 GHz | 1.000 MHz | 2.73011 GHz | -37.24 dBm | -12.24 dB |

### Channel Power < -10dBm Pass

/

## FR1 n41 / 80MHz / DFT-S OFDM BPSK

### Lowest Band Edge / 1 RB

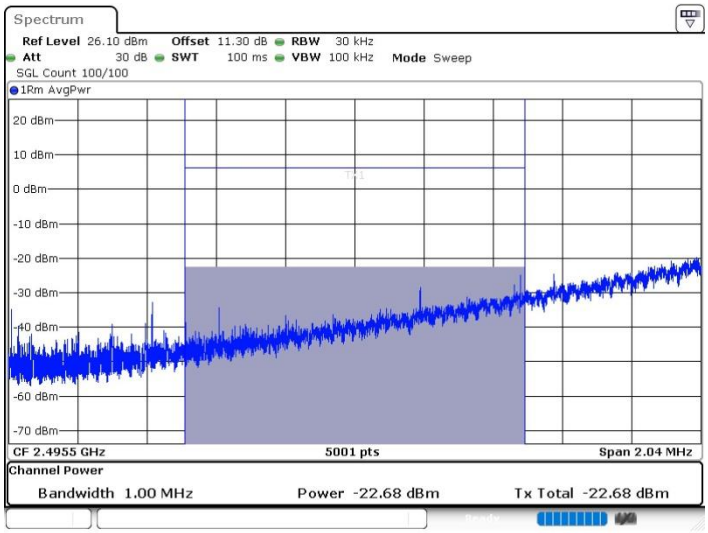



Spurious Emissions

| Range Low | Range Up | RBW | Frequency | Power Abs | ΔLimit |
|---|---|---|---|---|---|
| 2.391 GHz | 2.490 GHz | 1.000 MHz | 2.49013 GHz | -36.10 dBm | -11.10 dB |
| 2.490 GHz | 2.495 GHz | 1.000 MHz | 2.49494 GHz | -22.41 dBm | -9.41 dB |
| 2.495 GHz | 2.496 GHz | 1.000 MHz | 2.49596 GHz* | -10.39 dBm* | 2.61 dB* |
| 2.496 GHz | 2.596 GHz | 100.000 kHz | 2.49707 GHz | 16.25 dBm | -13.75 dB |

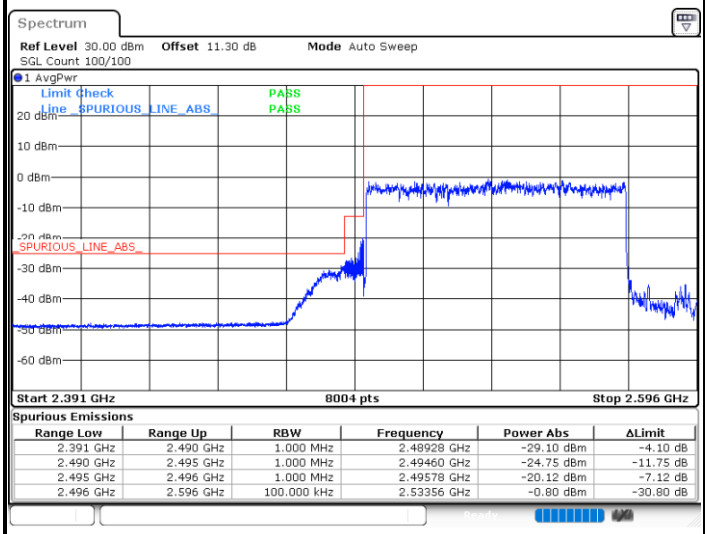
Date: 16.JAN.2021 03:04:18

### Channel Power < -13dBm Pass




Date: 16.JAN.2021 03:36:41

### Lowest Band Edge / Full RB




Spurious Emissions

| Range Low | Range Up | RBW | Frequency | Power Abs | ΔLimit |
|---|---|---|---|---|---|
| 2.391 GHz | 2.490 GHz | 1.000 MHz | 2.48928 GHz | -29.10 dBm | -4.10 dB |
| 2.490 GHz | 2.495 GHz | 1.000 MHz | 2.49460 GHz | -24.75 dBm | -11.75 dB |
| 2.495 GHz | 2.496 GHz | 1.000 MHz | 2.49578 GHz | -20.12 dBm | -7.12 dB |
| 2.496 GHz | 2.596 GHz | 100.000 kHz | 2.53356 GHz | -0.80 dBm | -30.80 dB |

Date: 16.JAN.2021 03:18:51

### Channel Power < -13dBm Pass

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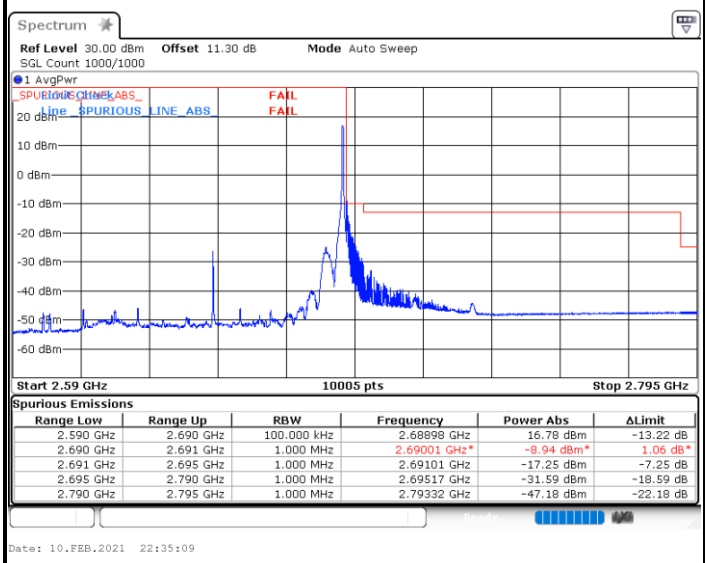
## FR1 n41 / 80MHz / DFT-S OFDM BPSK

### Highest Band Edge / 1 RB

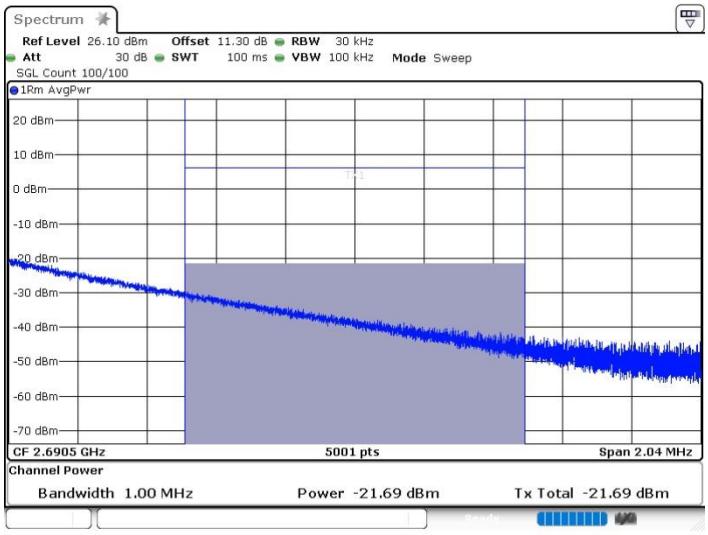



Spurious Emissions

| Range Low | Range Up | RBW | Frequency | Power Abs | ΔLimit |
|---|---|---|---|---|---|
| 2.590 GHz | 2.690 GHz | 100.000 kHz | 2.68898 GHz | 16.78 dBm | -13.22 dB |
| 2.690 GHz | 2.691 GHz | 1.000 MHz | 2.69001 GHz* | -8.94 dBm* | 1.06 dB* |
| 2.691 GHz | 2.695 GHz | 1.000 MHz | 2.69101 GHz | -17.25 dBm | -7.25 dB |
| 2.695 GHz | 2.790 GHz | 1.000 MHz | 2.69517 GHz | -31.59 dBm | -18.59 dB |
| 2.790 GHz | 2.795 GHz | 1.000 MHz | 2.79332 GHz | -47.18 dBm | -22.18 dB |

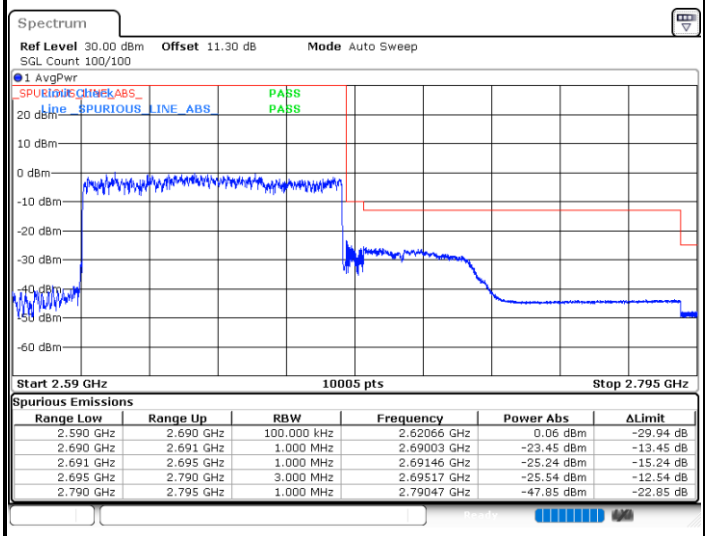
Date: 10.FEB.2021 22:35:09

### Channel Power < -10dBm Pass




Date: 16.JAN.2021 03:27:10

### Highest Band Edge / Full RB




Spurious Emissions

| Range Low | Range Up | RBW | Frequency | Power Abs | ΔLimit |
|---|---|---|---|---|---|
| 2.590 GHz | 2.690 GHz | 100.000 kHz | 2.62066 GHz | 0.06 dBm | -29.94 dB |
| 2.690 GHz | 2.691 GHz | 1.000 MHz | 2.69003 GHz | -23.45 dBm | -13.45 dB |
| 2.691 GHz | 2.695 GHz | 1.000 MHz | 2.69146 GHz | -25.24 dBm | -15.24 dB |
| 2.695 GHz | 2.790 GHz | 3.000 MHz | 2.69517 GHz | -25.54 dBm | -12.54 dB |
| 2.790 GHz | 2.795 GHz | 1.000 MHz | 2.79047 GHz | -47.85 dBm | -22.85 dB |

Date: 16.JAN.2021 03:19:58

### Channel Power < -10dBm Pass

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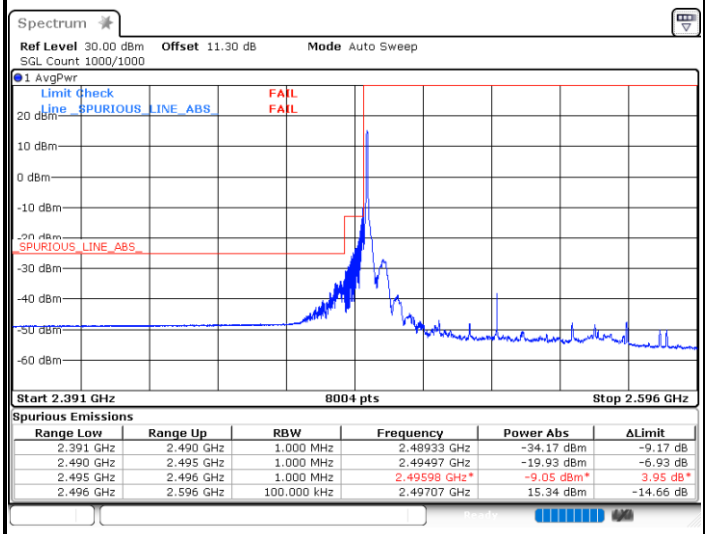
## FR1 n41 / 80MHz / DFT-S OFDM QPSK

### Lowest Band Edge / 1 RB

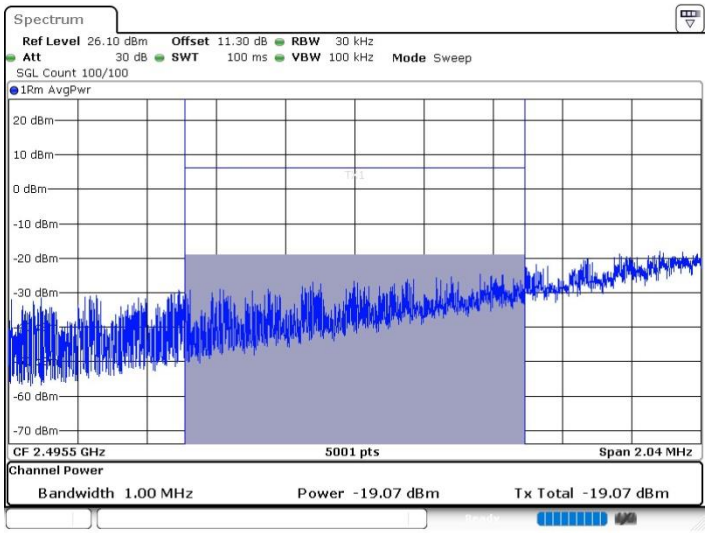



Spurious Emissions

| Range Low | Range Up | RBW | Frequency | Power Abs | ΔLimit |
|---|---|---|---|---|---|
| 2.391 GHz | 2.490 GHz | 1.000 MHz | 2.48933 GHz | -34.17 dBm | -9.17 dB |
| 2.490 GHz | 2.495 GHz | 1.000 MHz | 2.49497 GHz | -19.93 dBm | -6.93 dB |
| 2.495 GHz | 2.496 GHz | 1.000 MHz | 2.49598 GHz* | -9.05 dBm* | 3.95 dB* |
| 2.496 GHz | 2.596 GHz | 100.000 kHz | 2.49707 GHz | 15.34 dBm | -14.66 dB |

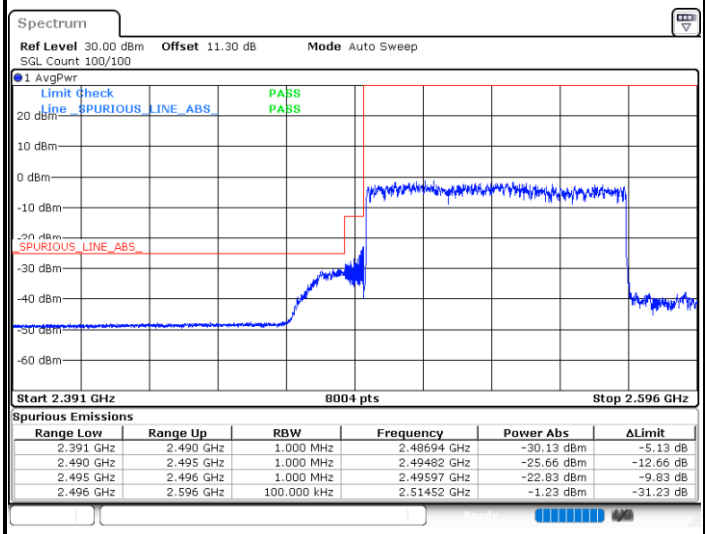
Date: 16.JAN.2021 03:07:33

### Channel Power < -13dBm Pass




Date: 16.JAN.2021 03:32:53

### Lowest Band Edge / Full RB




Spurious Emissions

| Range Low | Range Up | RBW | Frequency | Power Abs | ΔLimit |
|---|---|---|---|---|---|
| 2.391 GHz | 2.490 GHz | 1.000 MHz | 2.48694 GHz | -30.13 dBm | -5.13 dB |
| 2.490 GHz | 2.495 GHz | 1.000 MHz | 2.49482 GHz | -25.66 dBm | -12.66 dB |
| 2.495 GHz | 2.496 GHz | 1.000 MHz | 2.49597 GHz | -22.83 dBm | -9.83 dB |
| 2.496 GHz | 2.596 GHz | 100.000 kHz | 2.51452 GHz | -1.23 dBm | -31.23 dB |

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### Channel Power < -13dBm Pass

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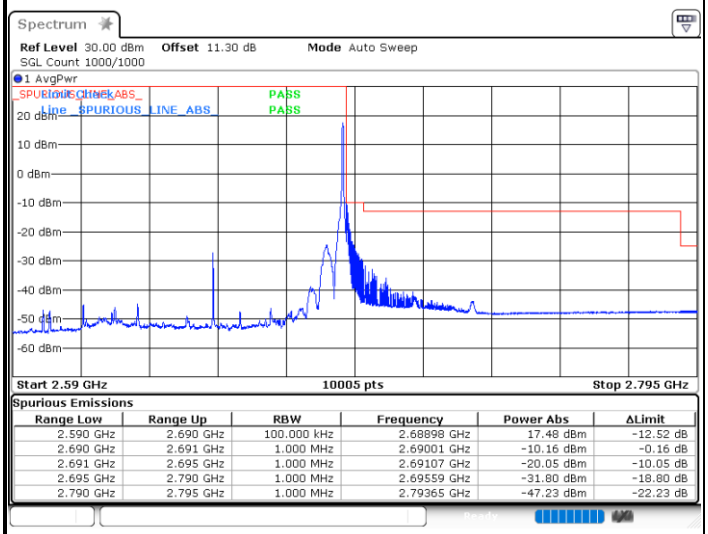
## FR1 n41 / 80MHz / DFT-S OFDM QPSK

### Highest Band Edge / 1 RB




Spurious Emissions

| Range Low | Range Up | RBW | Frequency | Power Abs | ΔLimit |
|---|---|---|---|---|---|
| 2.590 GHz | 2.690 GHz | 100.000 kHz | 2.68898 GHz | 17.48 dBm | -12.52 dB |
| 2.690 GHz | 2.691 GHz | 1.000 MHz | 2.69001 GHz | -10.16 dBm | -0.16 dB |
| 2.691 GHz | 2.695 GHz | 1.000 MHz | 2.69107 GHz | -20.05 dBm | -10.05 dB |
| 2.695 GHz | 2.790 GHz | 1.000 MHz | 2.69559 GHz | -31.80 dBm | -18.80 dB |
| 2.790 GHz | 2.795 GHz | 1.000 MHz | 2.79365 GHz | -47.23 dBm | -22.23 dB |

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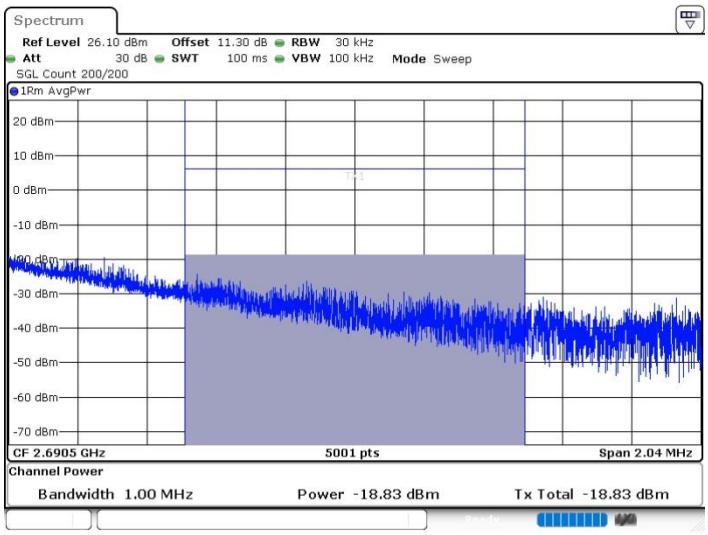
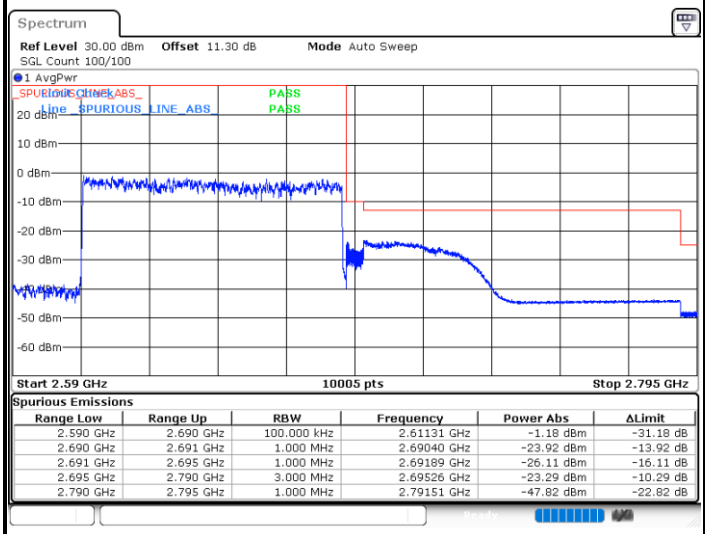
### Channel Power < -10dBm Pass




Date: 16.JAN.2021 03:30:00

### Highest Band Edge / Full RB




Spurious Emissions

| Range Low | Range Up | RBW | Frequency | Power Abs | ΔLimit |
|---|---|---|---|---|---|
| 2.590 GHz | 2.690 GHz | 100.000 kHz | 2.61131 GHz | -1.18 dBm | -31.18 dB |
| 2.690 GHz | 2.691 GHz | 1.000 MHz | 2.69040 GHz | -23.92 dBm | -13.92 dB |
| 2.691 GHz | 2.695 GHz | 1.000 MHz | 2.69189 GHz | -26.11 dBm | -16.11 dB |
| 2.695 GHz | 2.790 GHz | 3.000 MHz | 2.69526 GHz | -23.29 dBm | -10.29 dB |
| 2.790 GHz | 2.795 GHz | 1.000 MHz | 2.79151 GHz | -47.82 dBm | -22.82 dB |

Date: 16.JAN.2021 03:20:16

### Channel Power < -10dBm Pass

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