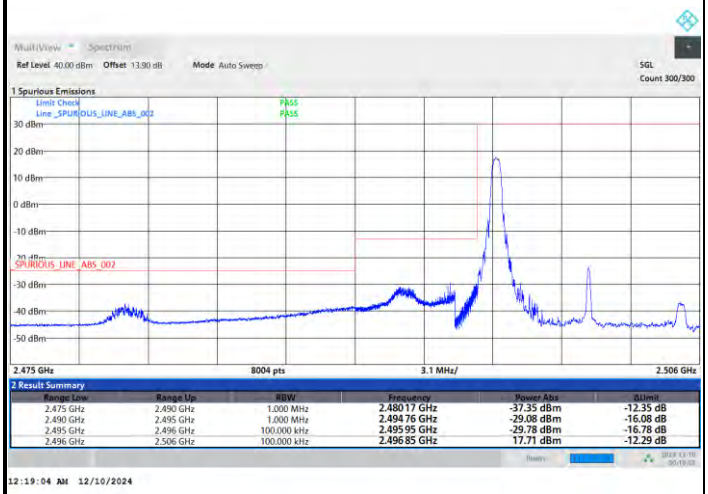
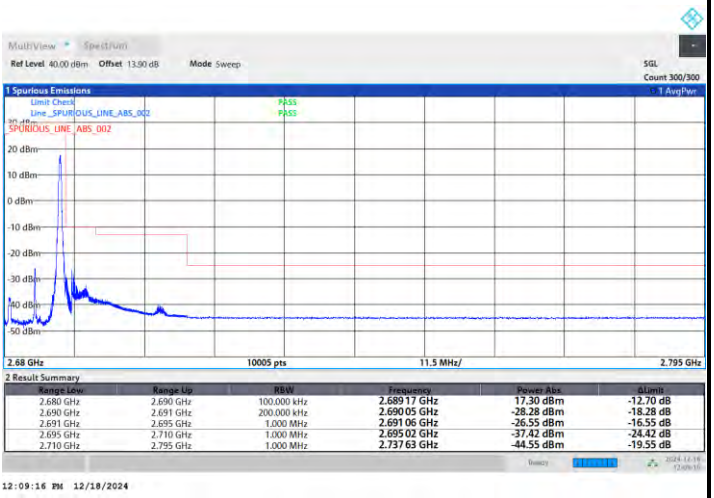
# Conducted Band Edge

## FR1 n41 / 10MHz / CP OFDM / QPSK

### Lowest Band Edge / 1RB0

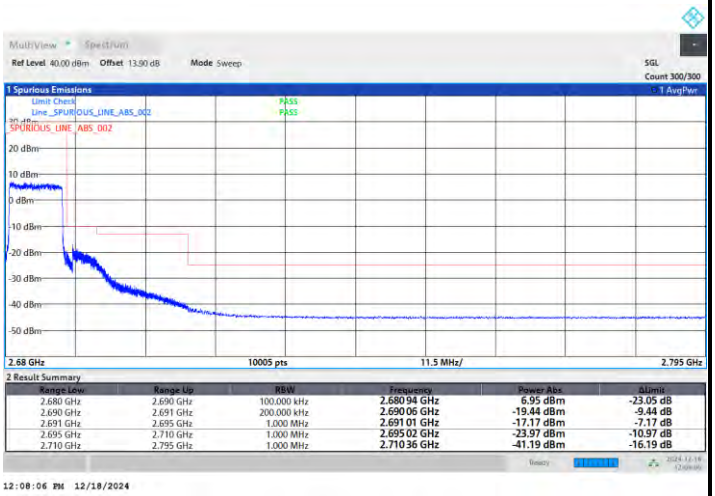



### Highest Band Edge / 1RBmax



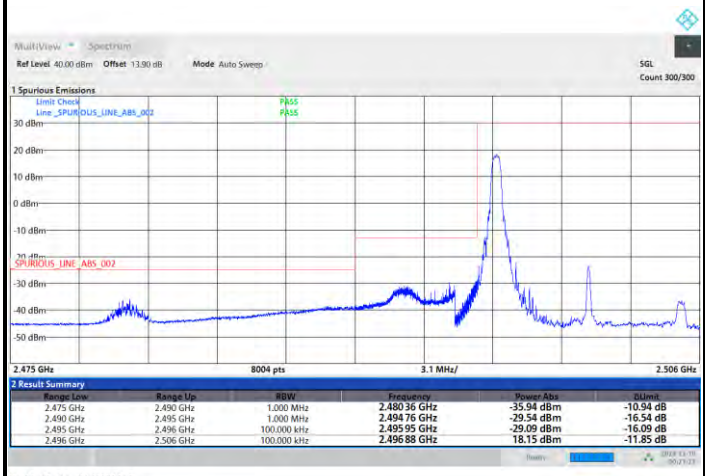

### Lowest Band Edge / Full RB

### Highest Band Edge / Full RB

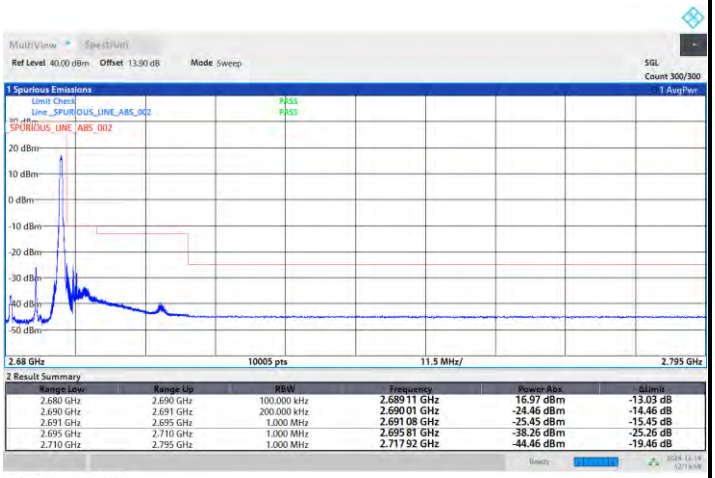


## FR1 n41 / 10MHz / CP OFDM / 16QAM

### Lowest Band Edge / 1RB0

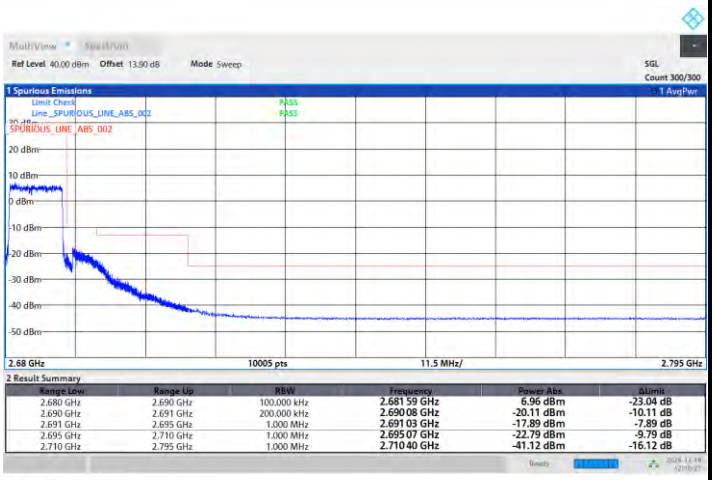



### Highest Band Edge / 1RBmax



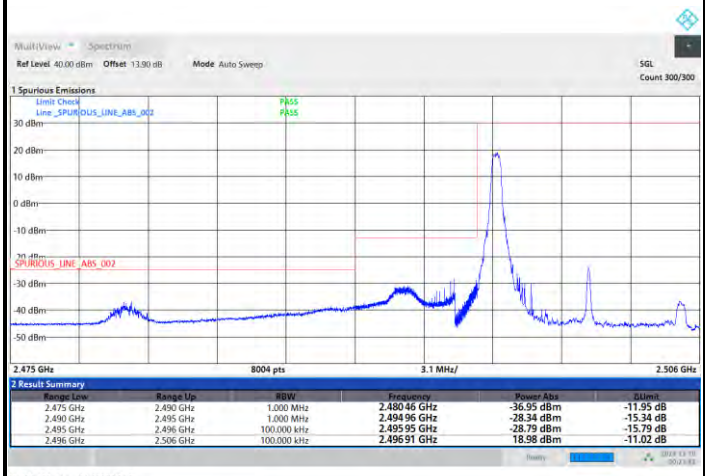

### Lowest Band Edge / Full RB

### Highest Band Edge / Full RB

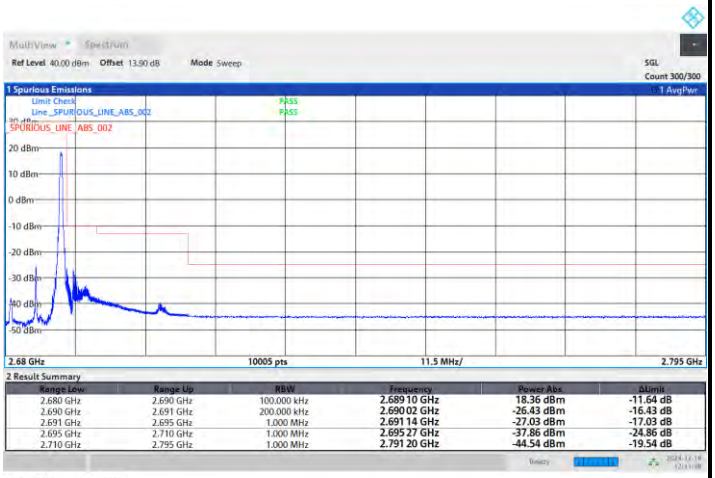


## FR1 n41 / 10MHz / CP OFDM / 64QAM

### Lowest Band Edge / 1RB0

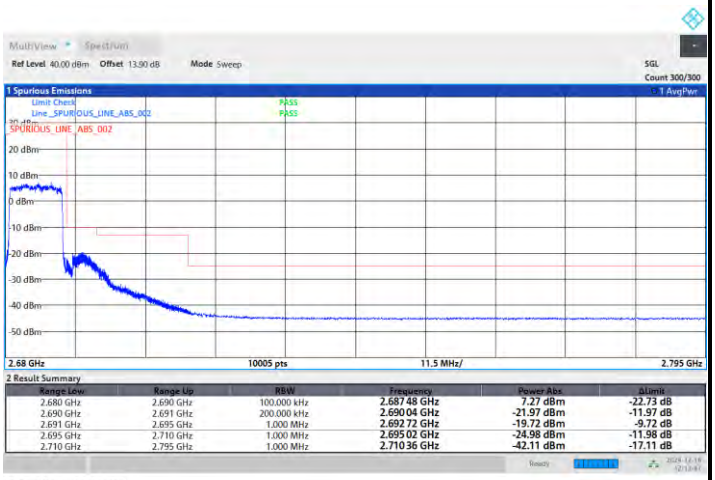



### Highest Band Edge / 1RBmax



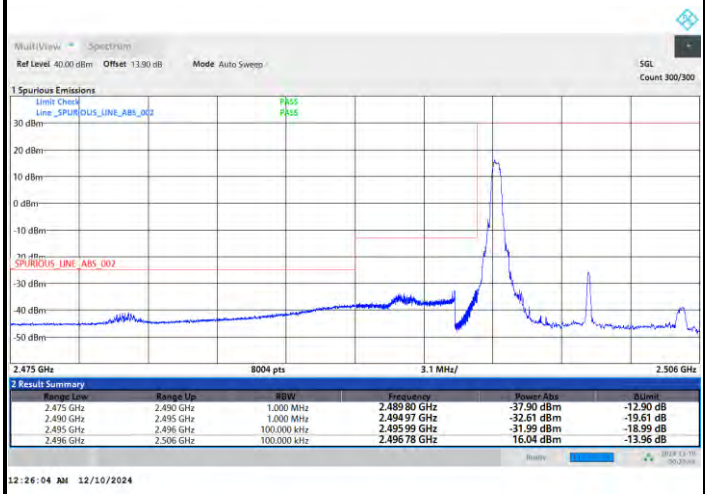

### Lowest Band Edge / Full RB

### Highest Band Edge / Full RB

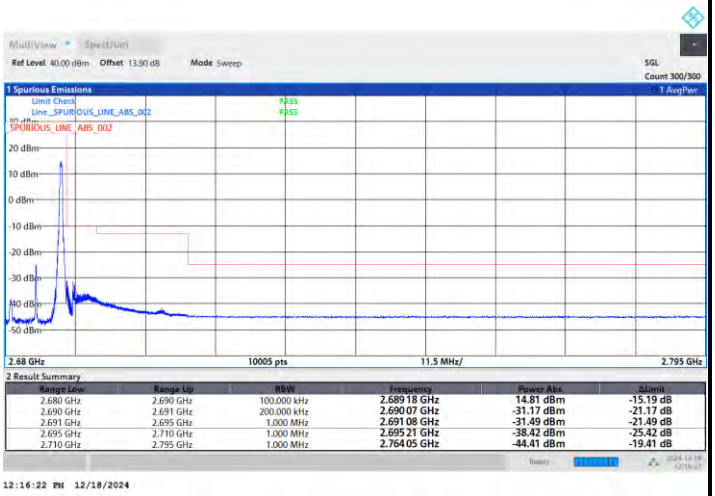


## FR1 n41 / 10MHz / CP OFDM / 256QAM

### Lowest Band Edge / 1RB0

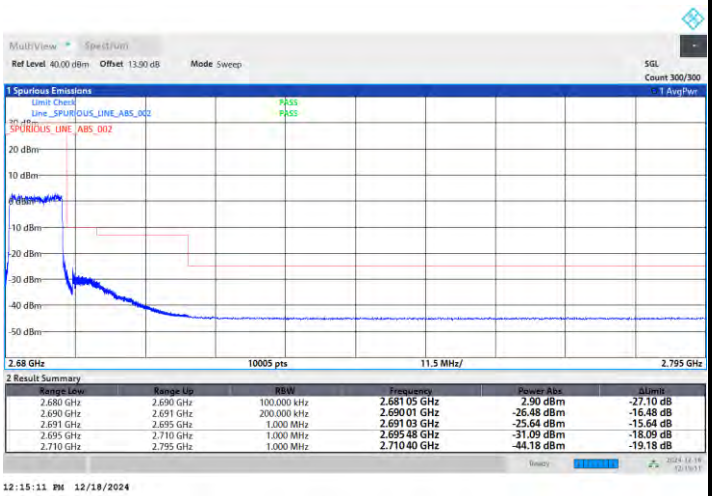


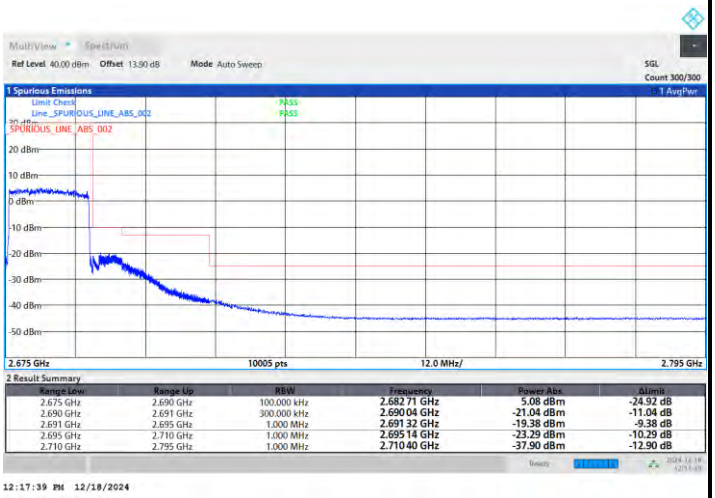
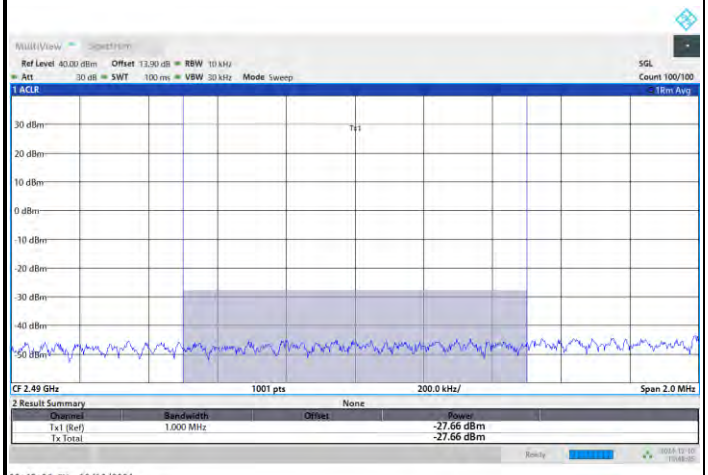

### Highest Band Edge / 1RBmax

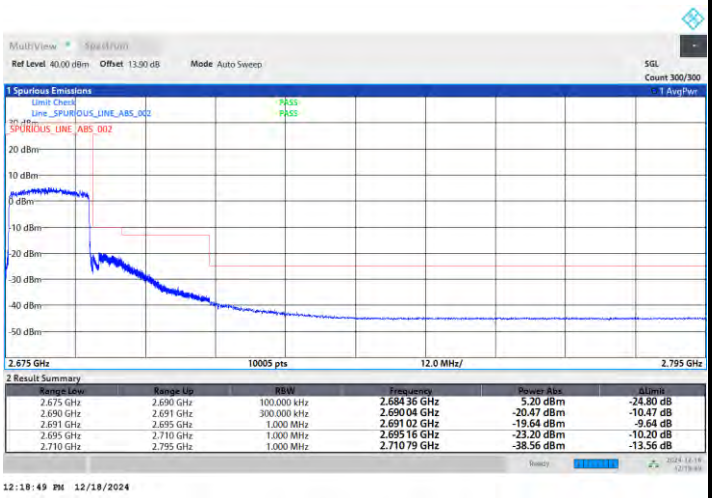


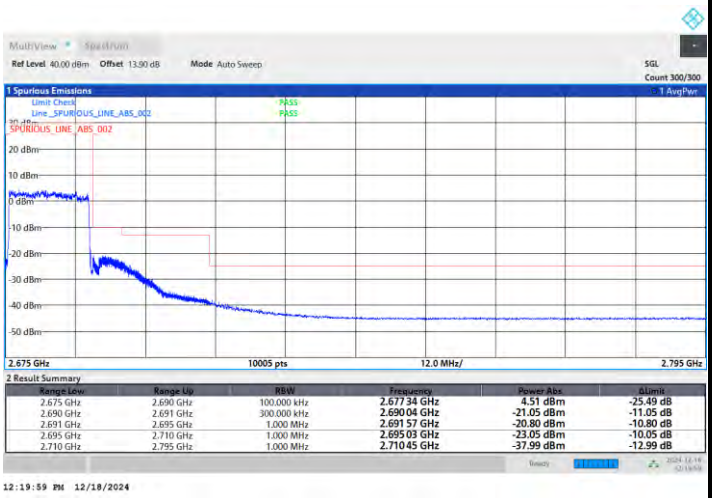

### Lowest Band Edge / Full RB

### Highest Band Edge / Full RB



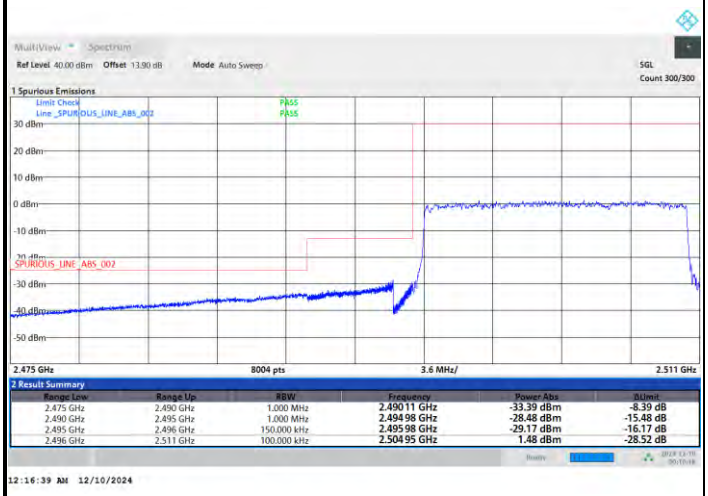
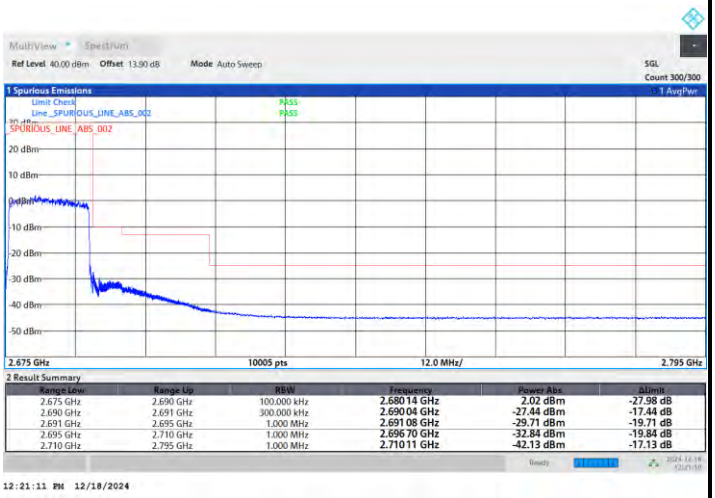
| FR1 n41 / 15MHz / CP OFDM / QPSK | |
|---|---|
| **Lowest Band Edge / Full RB** | **Highest Band Edge / Full RB** |
| |  |
| **Power Limit -25dBm > -27.66 dBm Pass** | |
|  | |

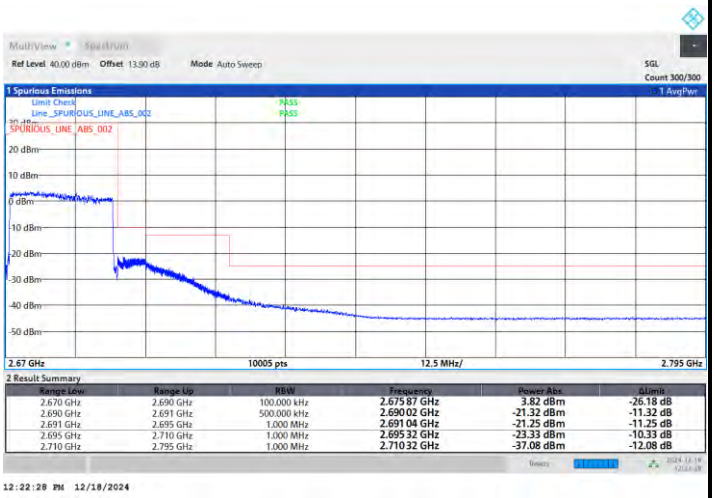
| FR1 n41 / 15MHz / CP OFDM / 16QAM | |
|---|---|
| **Lowest Band Edge / Full RB** | **Highest Band Edge / Full RB** |
| |  |

| FR1 n41 / 15MHz / CP OFDM / 64QAM | |
|---|---|
| **Lowest Band Edge / Full RB** | **Highest Band Edge / Full RB** |
| |  |





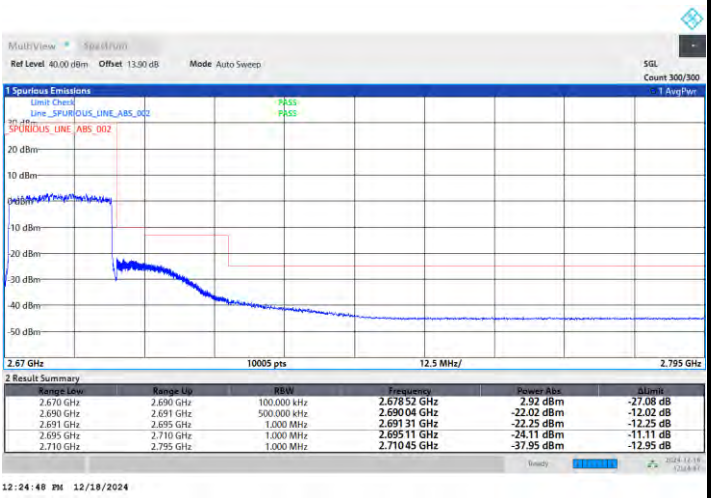
| FR1 n41 / 15MHz / CP OFDM / 256QAM | |
|---|---|
| **Lowest Band Edge / Full RB** | **Highest Band Edge / Full RB** |
|  |  |

| FR1 n41 / 20MHz / CP OFDM / QPSK | |
|---|---|
| **Lowest Band Edge / Full RB** | **Highest Band Edge / Full RB** |
| |  |



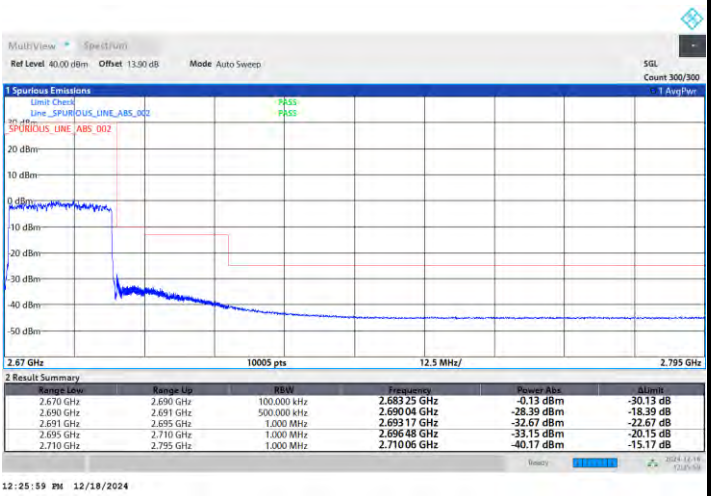


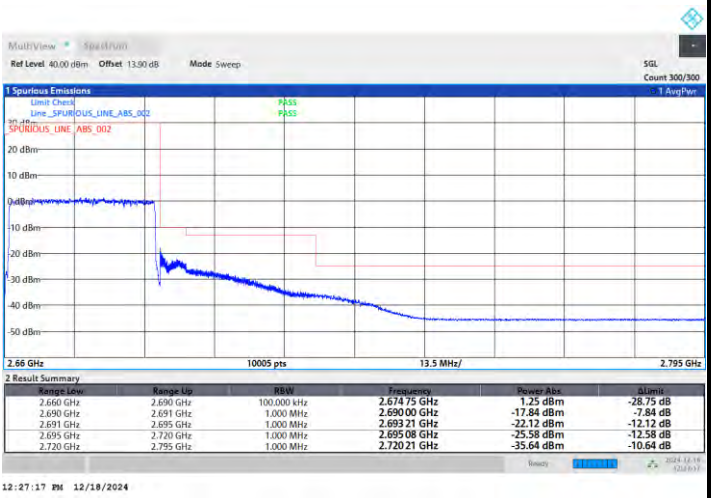
| FR1 n41 / 20MHz / CP OFDM / 16QAM | |
|---|---|
| **Lowest Band Edge / Full RB** | **Highest Band Edge / Full RB** |
| | |

| FR1 n41 / 20MHz / CP OFDM / 64QAM | |
|---|---|
| **Lowest Band Edge / Full RB** | **Highest Band Edge / Full RB** |
| |  |



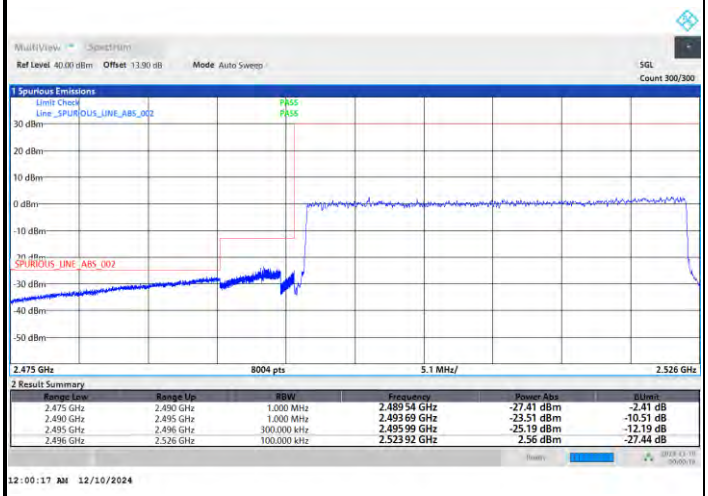
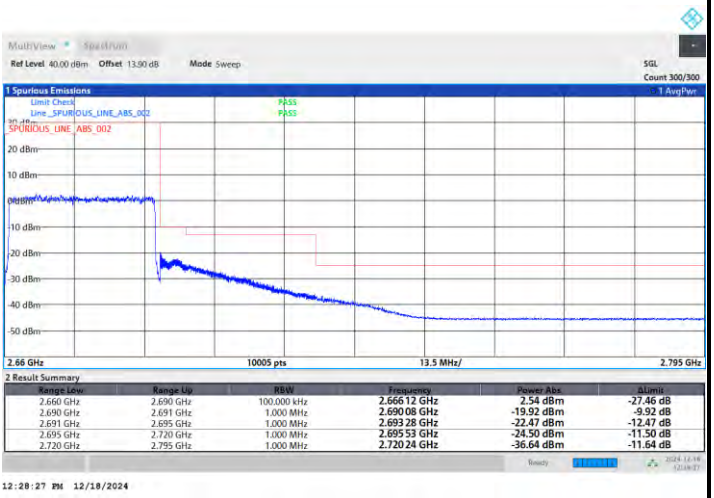


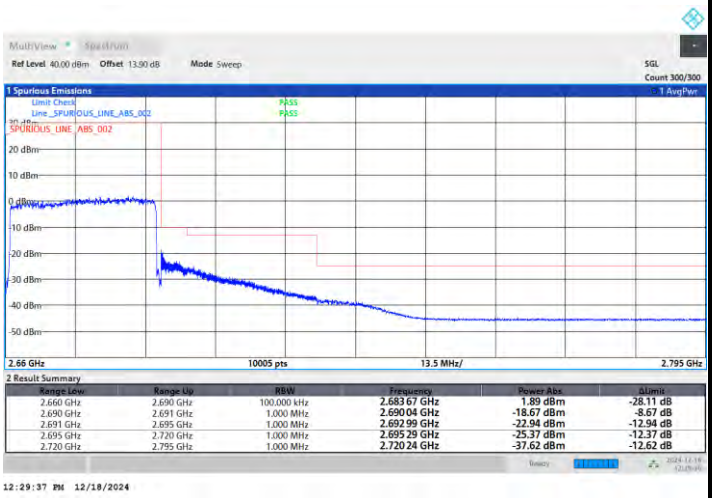
| FR1 n41 / 20MHz / CP OFDM / 256QAM | |
|---|---|
| **Lowest Band Edge / Full RB** | **Highest Band Edge / Full RB** |
| |  |

| FR1 n41 / 30MHz / CP OFDM / QPSK | |
|---|---|
| **Lowest Band Edge / Full RB** | **Highest Band Edge / Full RB** |
| |  |



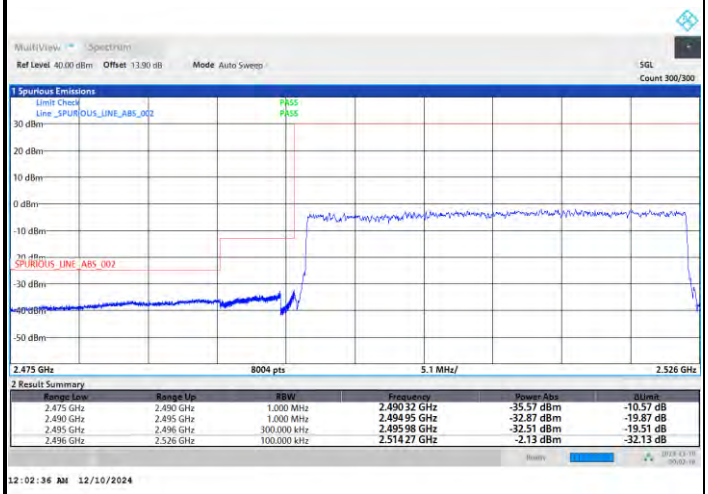
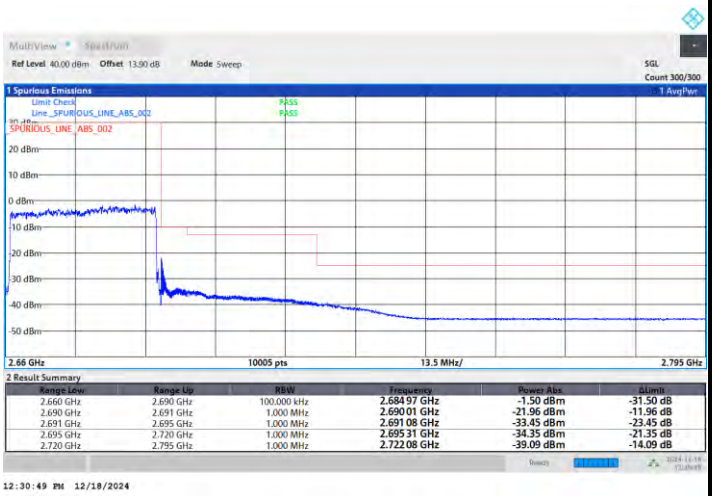


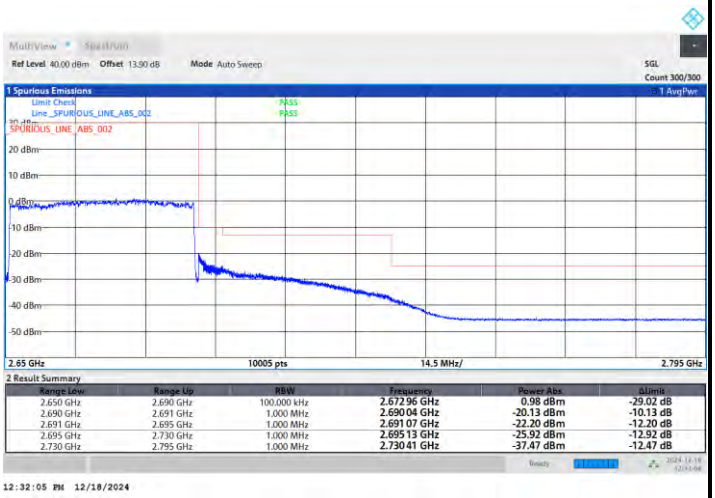
| FR1 n41 / 30MHz / CP OFDM / 16QAM | |
|---|---|
| **Lowest Band Edge / Full RB** | **Highest Band Edge / Full RB** |
|  |  |

| FR1 n41 / 30MHz / CP OFDM / 64QAM | |
|---|---|
| **Lowest Band Edge / Full RB** | **Highest Band Edge / Full RB** |
| |  |



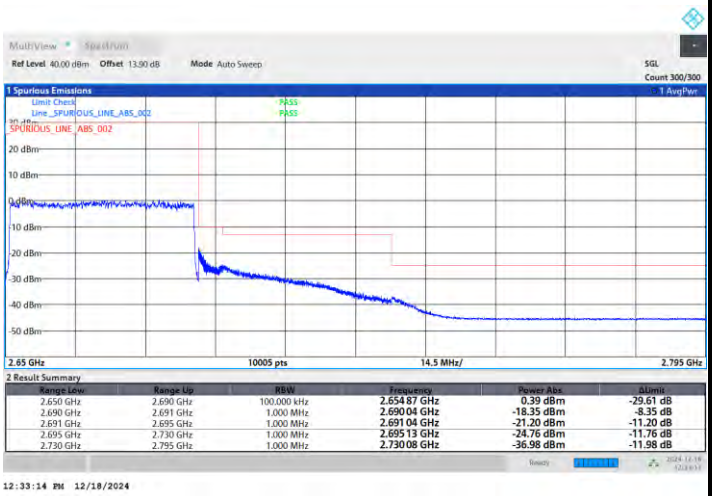


| FR1 n41 / 30MHz / CP OFDM / 256QAM | |
|---|---|
| **Lowest Band Edge / Full RB** | **Highest Band Edge / Full RB** |
|  |  |

| FR1 n41 / 40MHz / CP OFDM / QPSK | |
|---|---|
| **Lowest Band Edge / Full RB** | **Highest Band Edge / Full RB** |
| |  |



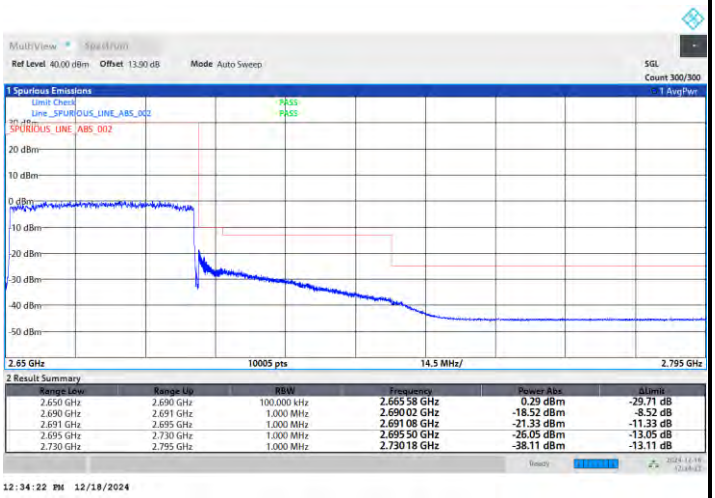


| FR1 n41 / 40MHz / CP OFDM / 16QAM | |
|---|---|
| **Lowest Band Edge / Full RB** | **Highest Band Edge / Full RB** |
| |  |

## FR1 n41 / 40MHz / CP OFDM / 64QAM

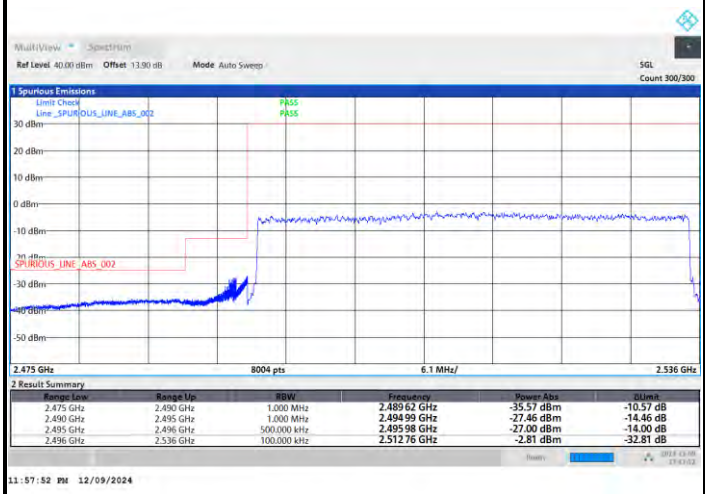
### Lowest Band Edge / Full RB

### Highest Band Edge / Full RB

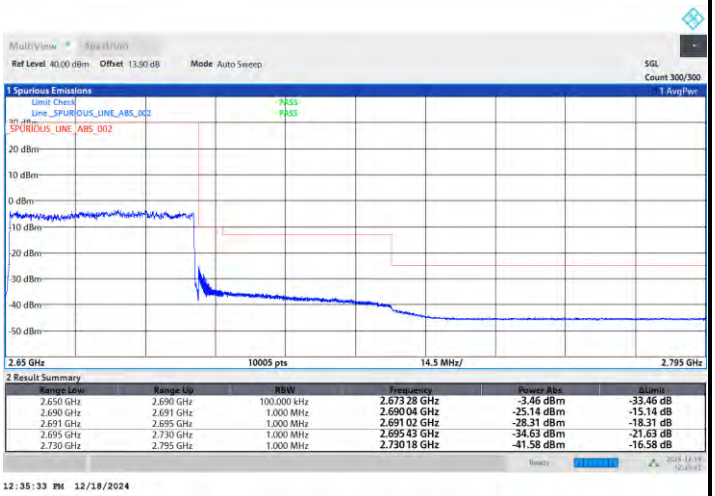


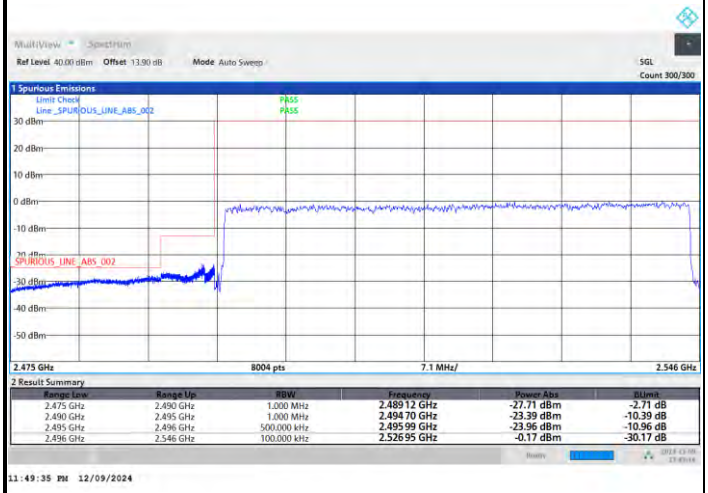
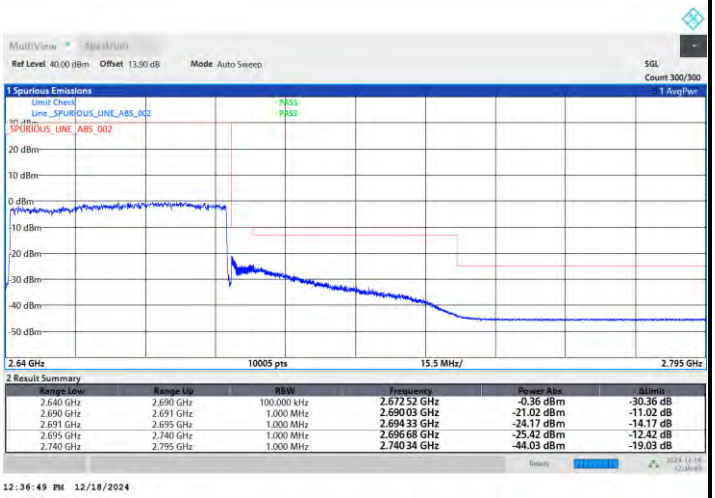

## FR1 n41 / 40MHz / CP OFDM / 256QAM

### Lowest Band Edge / Full RB



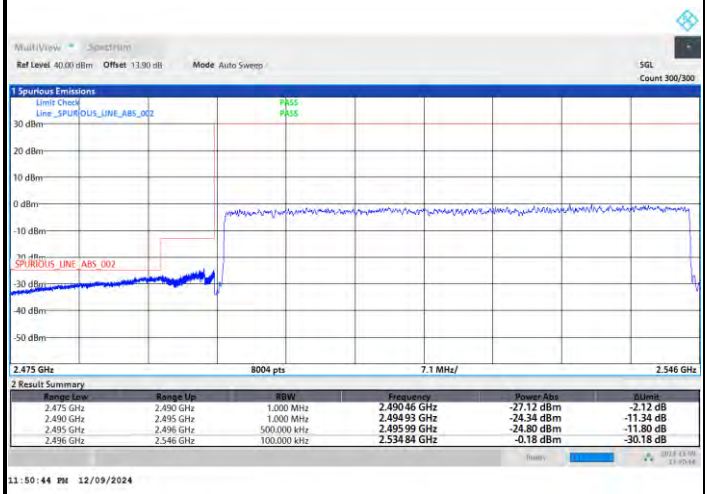
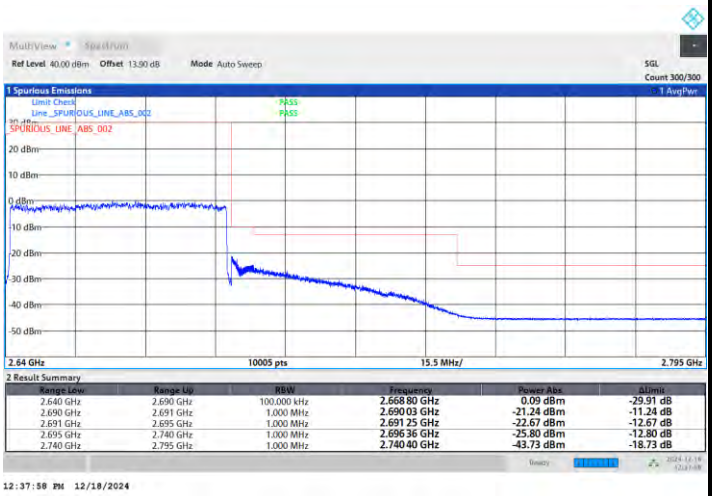

### Highest Band Edge / Full RB



| FR1 n41 / 50MHz / CP OFDM / QPSK | |
|---|---|
| **Lowest Band Edge / Full RB** | **Highest Band Edge / Full RB** |
|  |  |

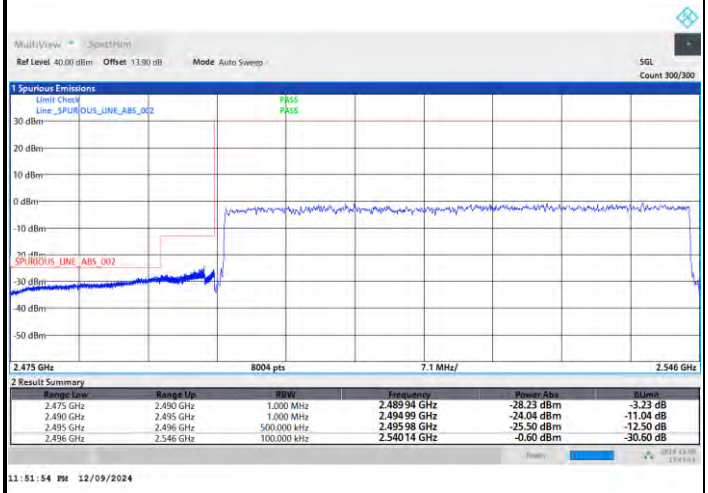




| FR1 n41 / 50MHz / CP OFDM / 16QAM | |
|---|---|
| **Lowest Band Edge / Full RB** | **Highest Band Edge / Full RB** |
|  |  |

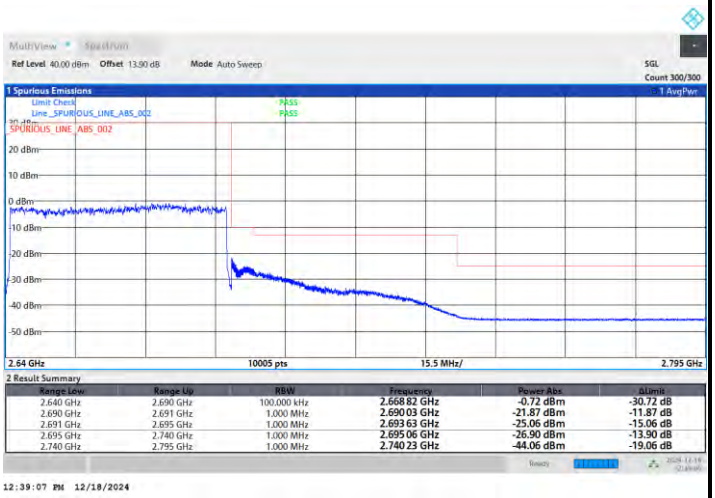
## FR1 n41 / 50MHz / CP OFDM / 64QAM

### Lowest Band Edge / Full RB




| Range Low | Range Up | RBW | Frequency | Power Abs | dLimit |
|---|---|---|---|---|---|
| 2.475 GHz | 2.490 GHz | 1.000 MHz | 2.489 94 GHz | -28.23 dBm | -3.23 dB |
| 2.490 GHz | 2.495 GHz | 1.000 MHz | 2.494 99 GHz | -24.04 dBm | -11.04 dB |
| 2.495 GHz | 2.496 GHz | 500.000 kHz | 2.495 98 GHz | -25.50 dBm | -12.50 dB |
| 2.496 GHz | 2.546 GHz | 100.000 kHz | 2.540 14 GHz | -0.60 dBm | -30.60 dB |

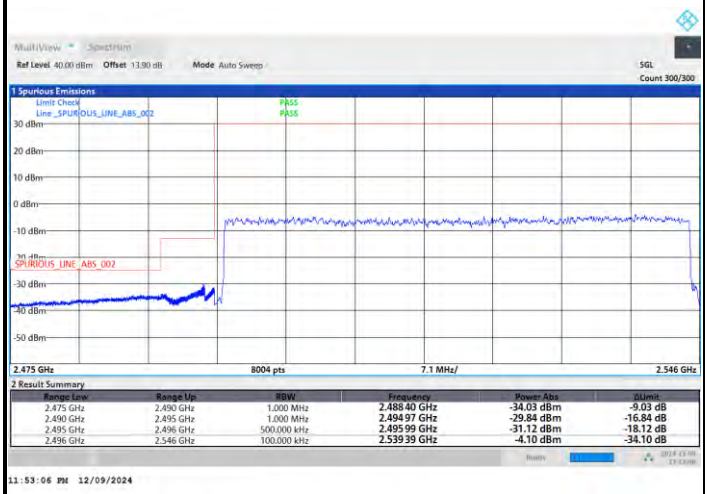
### Highest Band Edge / Full RB




| Range Low | Range Up | RBW | Frequency | Power Abs | dLimit |
|---|---|---|---|---|---|
| 2.640 GHz | 2.690 GHz | 100.000 kHz | 2.668 82 GHz | -0.72 dBm | -30.72 dB |
| 2.690 GHz | 2.691 GHz | 1.000 MHz | 2.690 03 GHz | -21.87 dBm | -11.87 dB |
| 2.691 GHz | 2.695 GHz | 1.000 MHz | 2.693 63 GHz | -25.06 dBm | -15.06 dB |
| 2.695 GHz | 2.740 GHz | 1.000 MHz | 2.695 06 GHz | -26.90 dBm | -13.90 dB |
| 2.740 GHz | 2.795 GHz | 1.000 MHz | 2.740 23 GHz | -44.06 dBm | -19.06 dB |

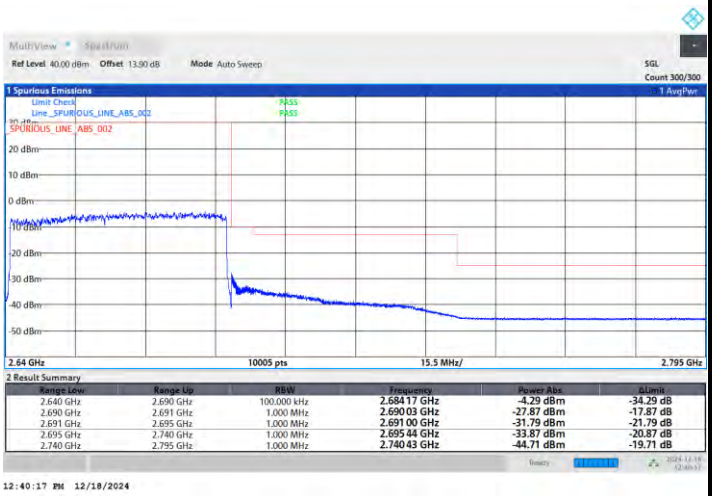
## FR1 n41 / 50MHz / CP OFDM / 256QAM

### Lowest Band Edge / Full RB




| Range Low | Range Up | RBW | Frequency | Power Abs | dLimit |
|---|---|---|---|---|---|
| 2.475 GHz | 2.490 GHz | 1.000 MHz | 2.488 40 GHz | -34.03 dBm | -9.03 dB |
| 2.490 GHz | 2.495 GHz | 1.000 MHz | 2.494 97 GHz | -29.84 dBm | -16.84 dB |
| 2.495 GHz | 2.496 GHz | 500.000 kHz | 2.495 99 GHz | -31.12 dBm | -18.12 dB |
| 2.496 GHz | 2.546 GHz | 100.000 kHz | 2.539 39 GHz | -4.10 dBm | -34.10 dB |

### Highest Band Edge / Full RB

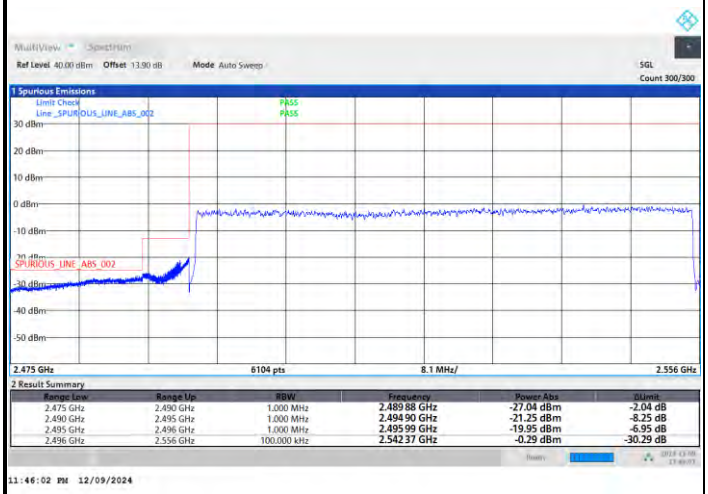
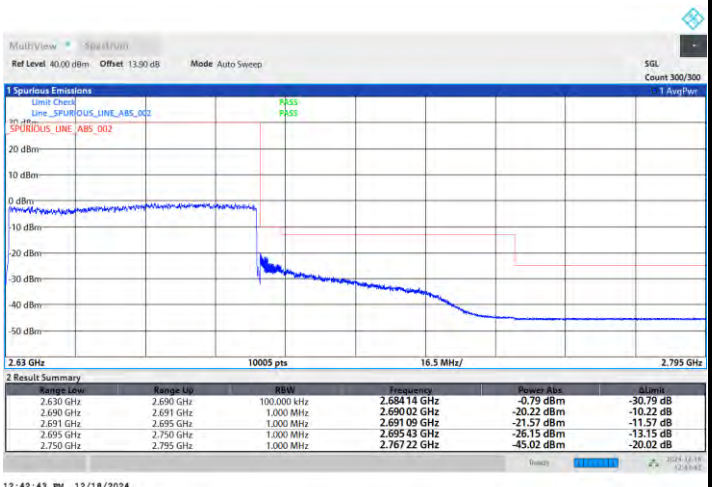


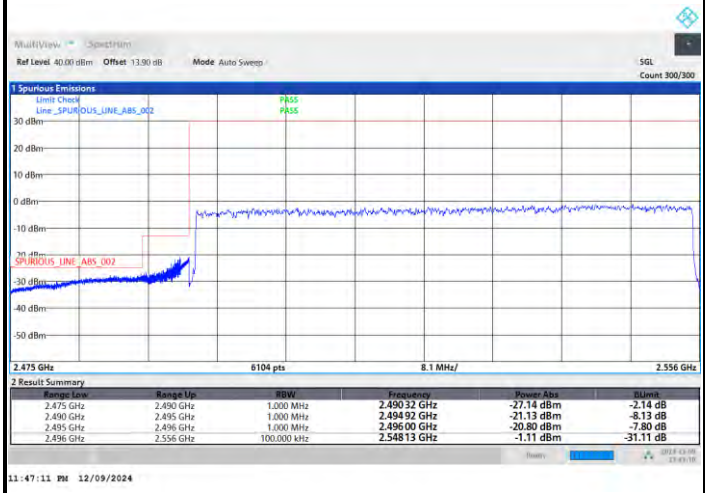
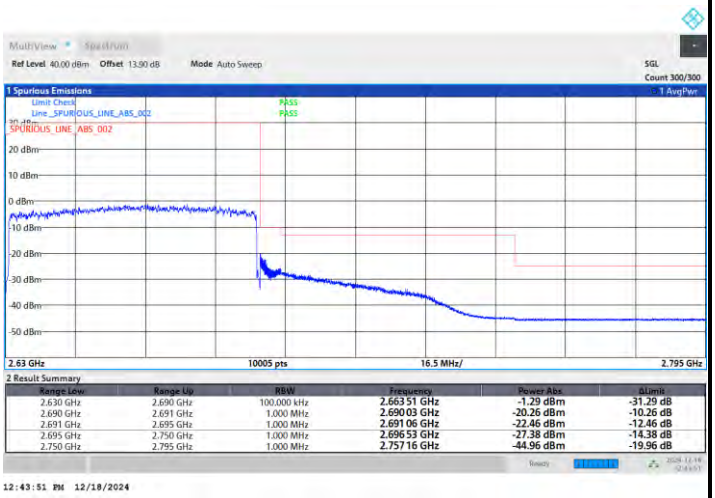

| Range Low | Range Up | RBW | Frequency | Power Abs | dLimit |
|---|---|---|---|---|---|
| 2.640 GHz | 2.690 GHz | 100.000 kHz | 2.684 17 GHz | -4.29 dBm | -34.29 dB |
| 2.690 GHz | 2.691 GHz | 1.000 MHz | 2.690 03 GHz | -27.87 dBm | -17.87 dB |
| 2.691 GHz | 2.695 GHz | 1.000 MHz | 2.691 00 GHz | -31.79 dBm | -21.79 dB |
| 2.695 GHz | 2.740 GHz | 1.000 MHz | 2.695 44 GHz | -33.87 dBm | -20.87 dB |
| 2.740 GHz | 2.795 GHz | 1.000 MHz | 2.740 43 GHz | -44.71 dBm | -19.71 dB |

| FR1 n41 / 60MHz / CP OFDM / QPSK | |
|---|---|
| **Lowest Band Edge / Full RB** | **Highest Band Edge / Full RB** |
| | |



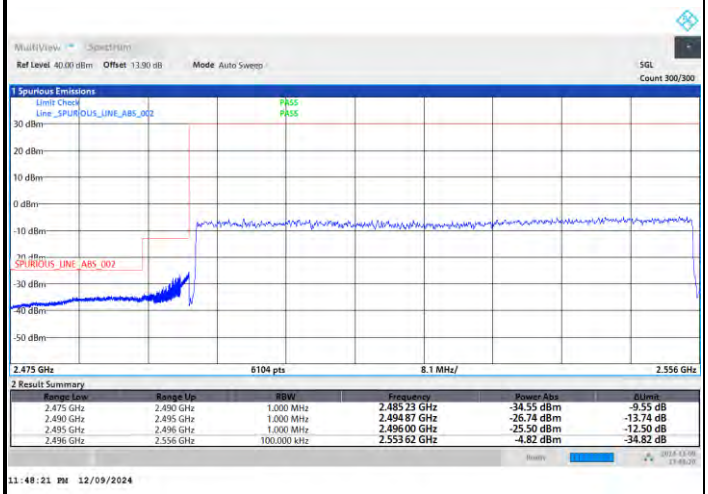
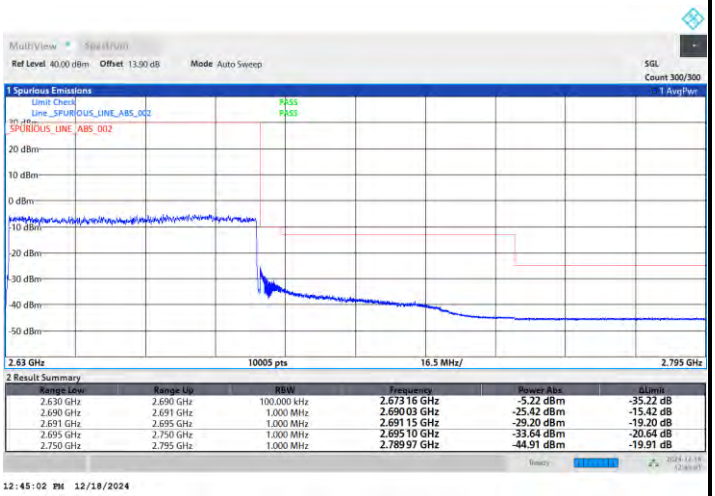


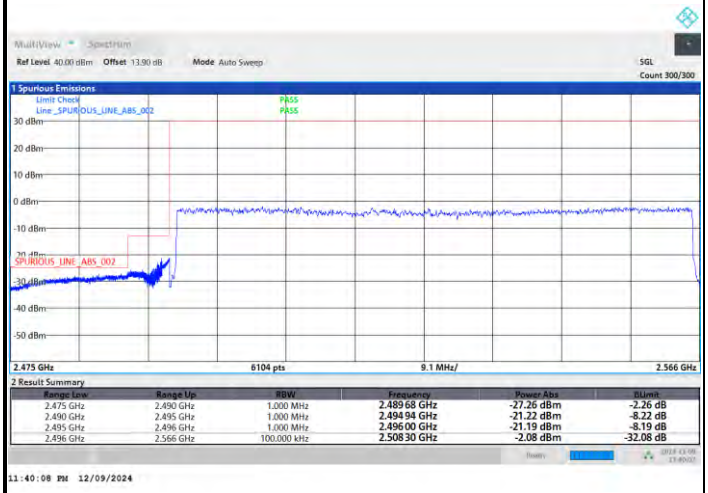
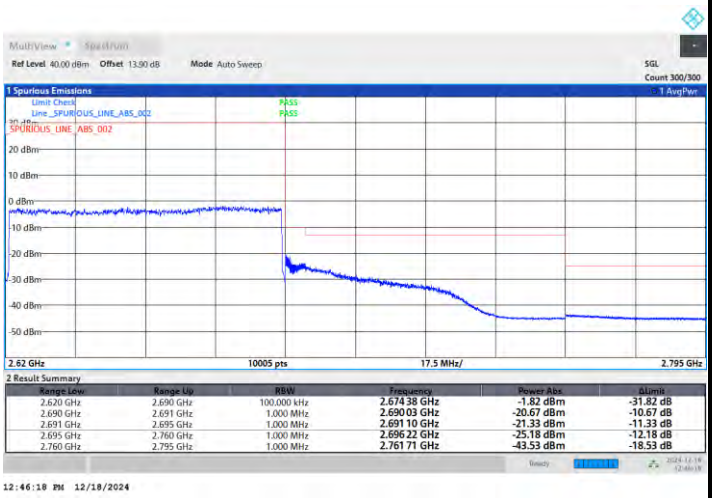
| FR1 n41 / 60MHz / CP OFDM / 16QAM | |
|---|---|
| **Lowest Band Edge / Full RB** | **Highest Band Edge / Full RB** |
|  |  |

| FR1 n41 / 60MHz / CP OFDM / 64QAM | |
|---|---|
| **Lowest Band Edge / Full RB** | **Highest Band Edge / Full RB** |
|  |  |



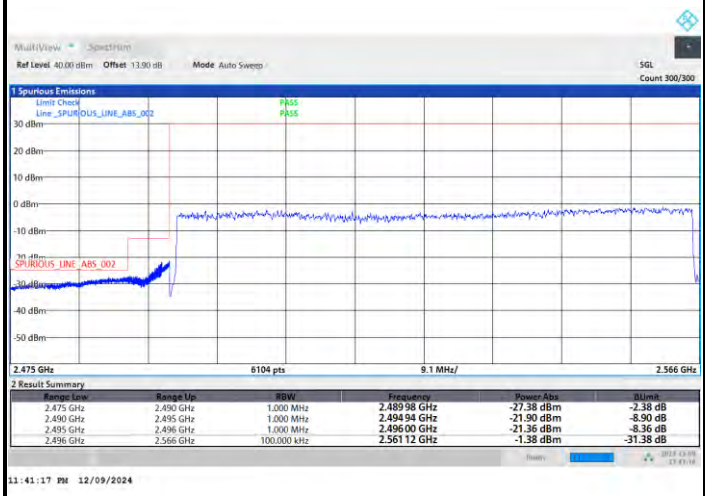
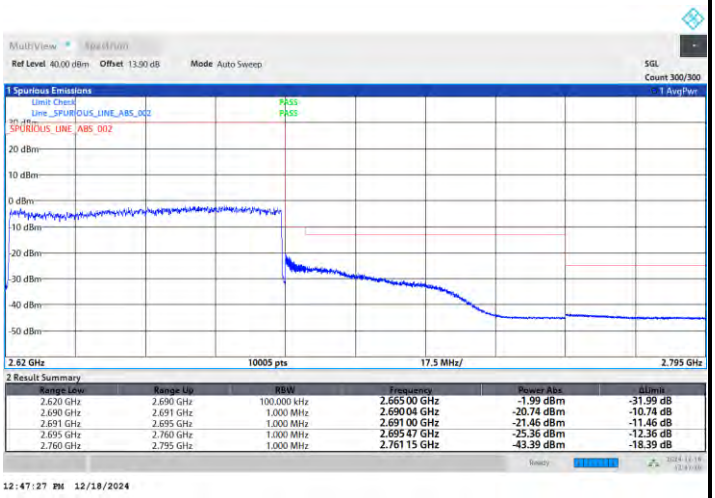


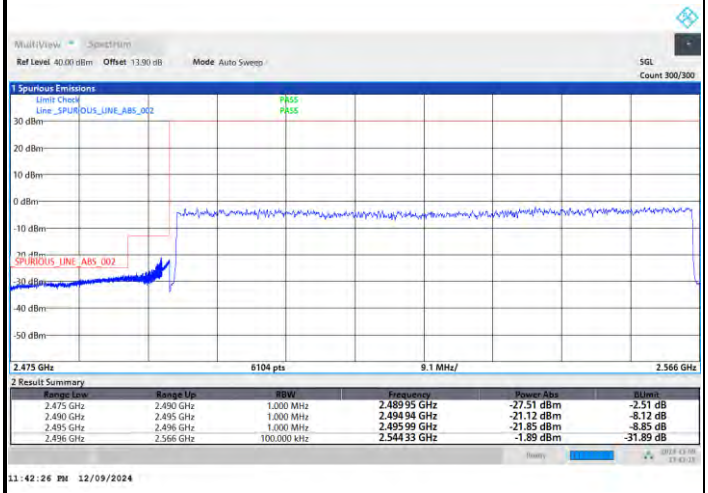
| FR1 n41 / 60MHz / CP OFDM / 256QAM | |
|---|---|
| **Lowest Band Edge / Full RB** | **Highest Band Edge / Full RB** |
|  |  |

| FR1 n41 / 70MHz / CP OFDM / QPSK | |
|---|---|
| **Lowest Band Edge / Full RB** | **Highest Band Edge / Full RB** |
|  |  |



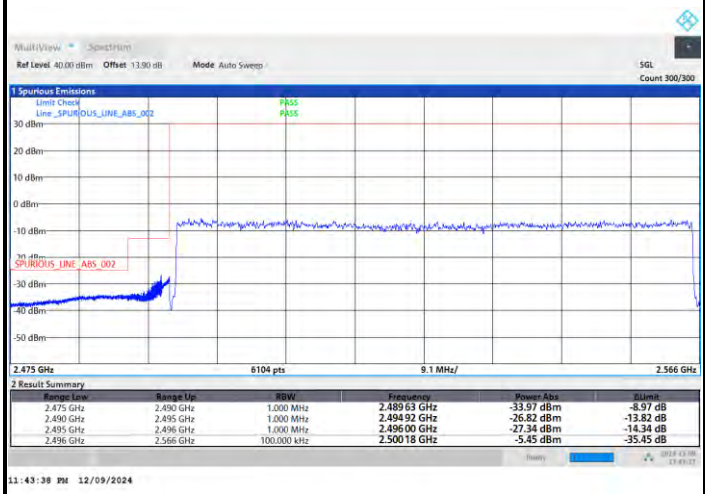
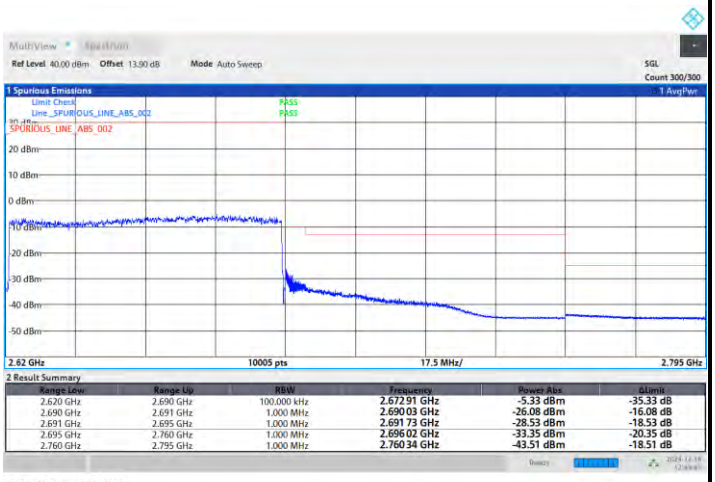


| FR1 n41 / 70MHz / CP OFDM / 16QAM | |
|---|---|
| **Lowest Band Edge / Full RB** | **Highest Band Edge / Full RB** |
|  |  |

| FR1 n41 / 70MHz / CP OFDM / 64QAM | |
|---|---|
| **Lowest Band Edge / Full RB** | **Highest Band Edge / Full RB** |
|  | |





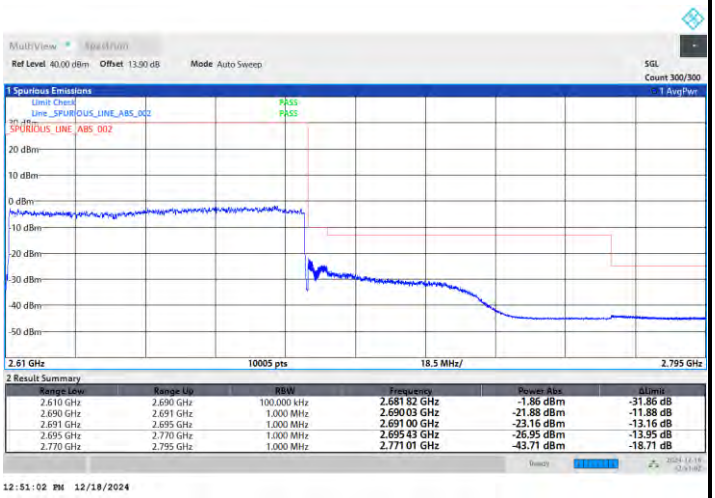
| FR1 n41 / 70MHz / CP OFDM / 256QAM | |
|---|---|
| **Lowest Band Edge / Full RB** | **Highest Band Edge / Full RB** |
|  |  |

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

### Lowest Band Edge / Full RB

| Range Low | Range Up | RBW | Frequency | Power Abs | ΔLimit |
|---|---|---|---|---|---|
| 2.475 GHz | 2.490 GHz | 1.000 MHz | 2.488 95 GHz | -26.79 dBm | -1.79 dB |
| 2.490 GHz | 2.495 GHz | 1.000 MHz | 2.494 98 GHz | -21.80 dBm | -8.80 dB |
| 2.495 GHz | 2.496 GHz | 1.000 MHz | 2.495 99 GHz | -21.63 dBm | -8.63 dB |
| 2.496 GHz | 2.576 GHz | 100.000 kHz | 2.564 59 GHz | -2.96 dBm | -32.96 dB |

### Highest Band Edge / Full RB



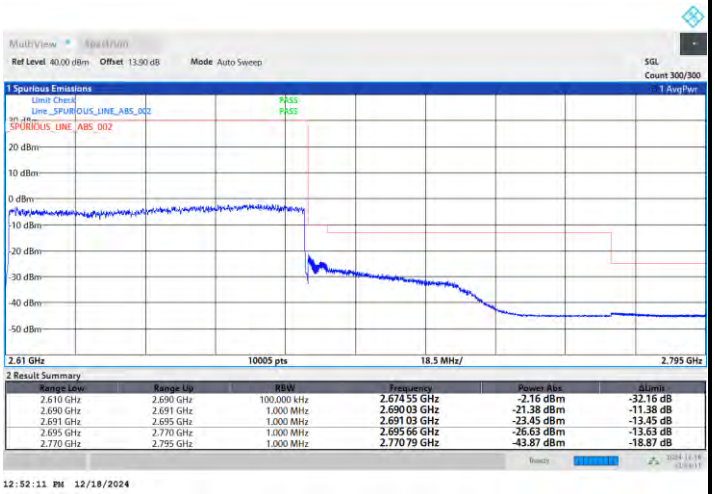

| Range Low | Range Up | RBW | Frequency | Power Abs | ΔLimit |
|---|---|---|---|---|---|
| 2.610 GHz | 2.690 GHz | 100.000 kHz | 2.681 82 GHz | -1.86 dBm | -31.86 dB |
| 2.690 GHz | 2.691 GHz | 1.000 MHz | 2.690 03 GHz | -21.88 dBm | -11.88 dB |
| 2.691 GHz | 2.695 GHz | 1.000 MHz | 2.691 00 GHz | -23.16 dBm | -13.16 dB |
| 2.695 GHz | 2.770 GHz | 1.000 MHz | 2.695 43 GHz | -26.95 dBm | -13.95 dB |
| 2.770 GHz | 2.795 GHz | 1.000 MHz | 2.771 01 GHz | -43.71 dBm | -18.71 dB |

## FR1 n41 / 80MHz / CP OFDM / 16QAM

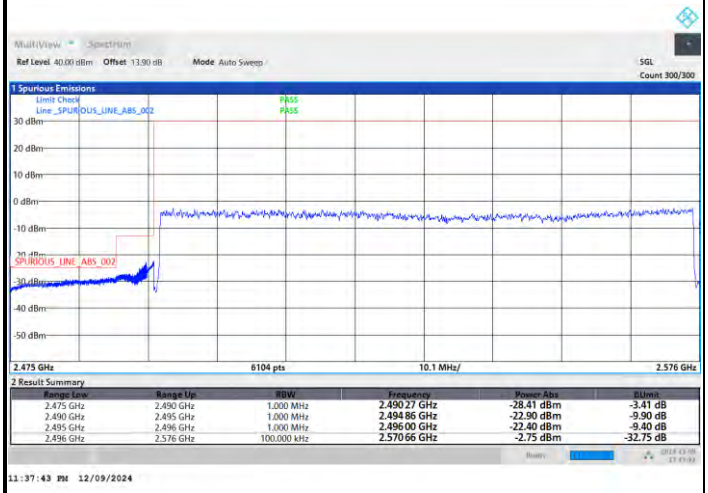
### Lowest Band Edge / Full RB

| Range Low | Range Up | RBW | Frequency | Power Abs | ΔLimit |
|---|---|---|---|---|---|
| 2.475 GHz | 2.490 GHz | 1.000 MHz | 2.489 39 GHz | -26.64 dBm | -1.64 dB |
| 2.490 GHz | 2.495 GHz | 1.000 MHz | 2.494 79 GHz | -22.32 dBm | -9.32 dB |
| 2.495 GHz | 2.496 GHz | 1.000 MHz | 2.496 00 GHz | -21.91 dBm | -8.91 dB |
| 2.496 GHz | 2.576 GHz | 100.000 kHz | 2.502 18 GHz | -2.13 dBm | -32.13 dB |

### Highest Band Edge / Full RB

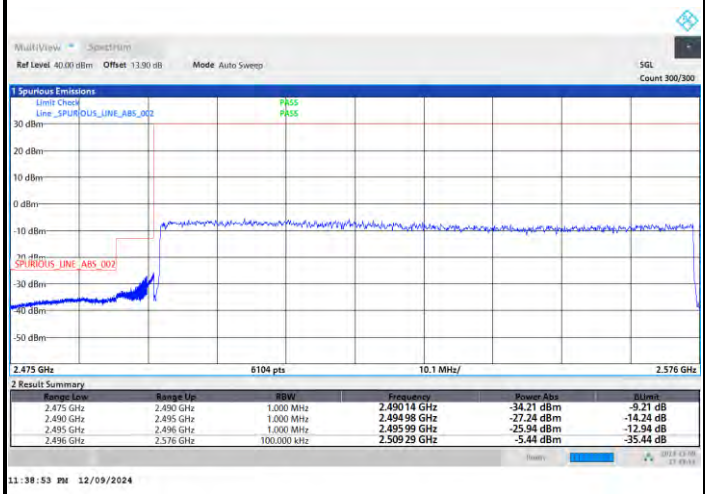
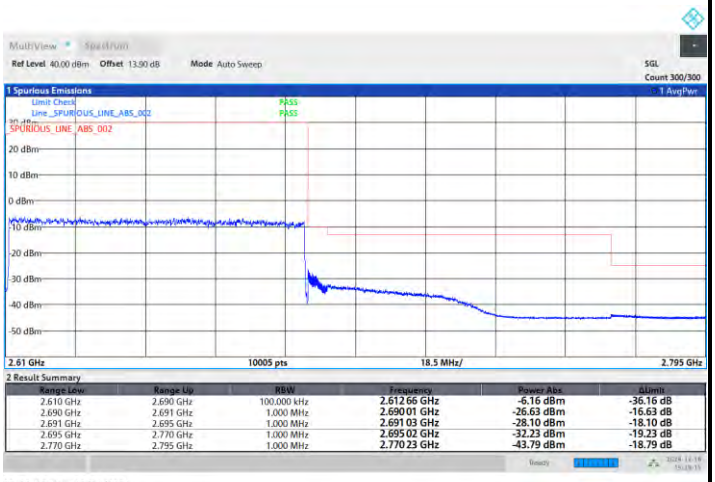


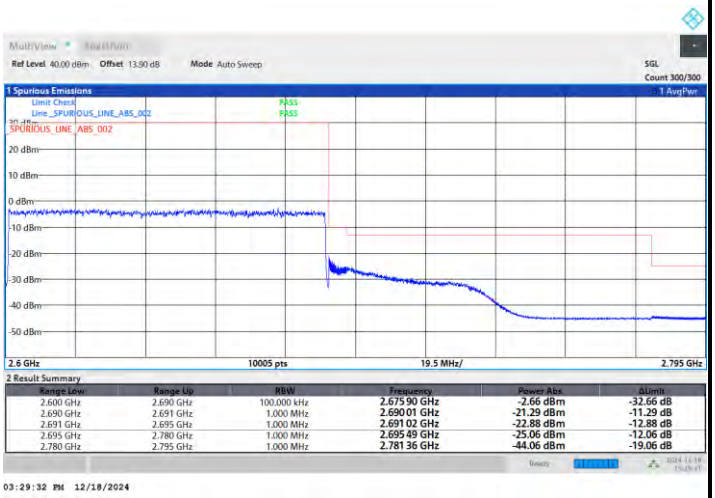

| Range Low | Range Up | RBW | Frequency | Power Abs | ΔLimit |
|---|---|---|---|---|---|
| 2.610 GHz | 2.690 GHz | 100.000 kHz | 2.674 55 GHz | -2.16 dBm | -32.16 dB |
| 2.690 GHz | 2.691 GHz | 1.000 MHz | 2.690 03 GHz | -21.38 dBm | -11.38 dB |
| 2.691 GHz | 2.695 GHz | 1.000 MHz | 2.691 03 GHz | -23.45 dBm | -13.45 dB |
| 2.695 GHz | 2.770 GHz | 1.000 MHz | 2.695 66 GHz | -26.63 dBm | -13.63 dB |
| 2.770 GHz | 2.795 GHz | 1.000 MHz | 2.770 79 GHz | -43.87 dBm | -18.87 dB |

| FR1 n41 / 80MHz / CP OFDM / 64QAM | |
|---|---|
| **Lowest Band Edge / Full RB** | **Highest Band Edge / Full RB** |
|  | |



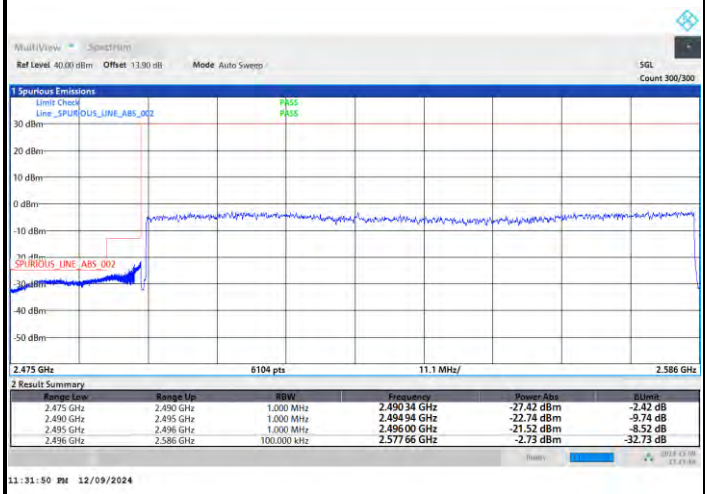


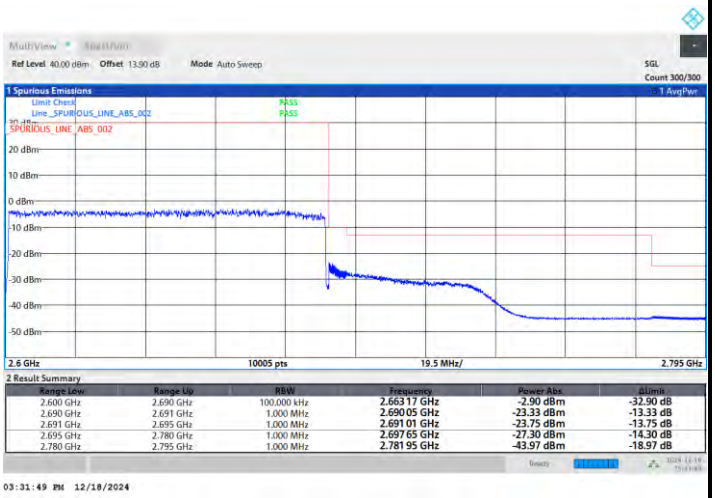
| FR1 n41 / 80MHz / CP OFDM / 256QAM | |
|---|---|
| **Lowest Band Edge / Full RB** | **Highest Band Edge / Full RB** |
|  |  |

| FR1 n41 / 90MHz / CP OFDM / QPSK | |
|---|---|
| **Lowest Band Edge / Full RB** | **Highest Band Edge / Full RB** |
| |  |



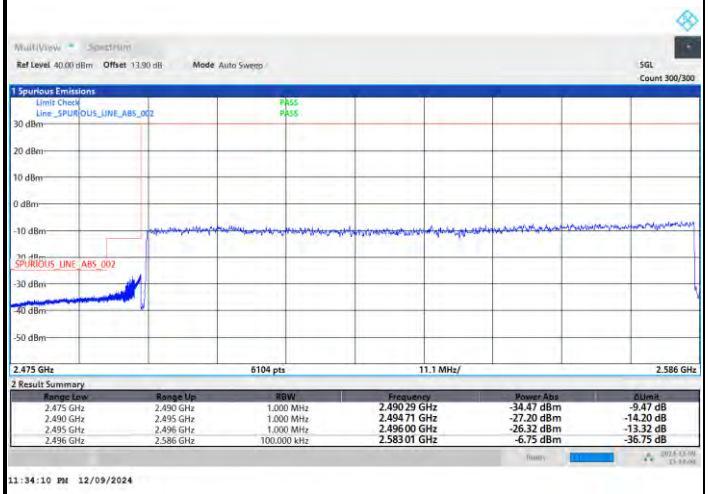


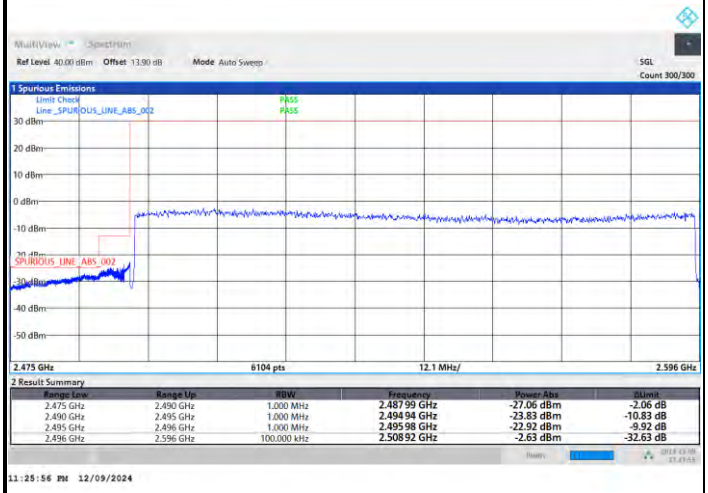
| FR1 n41 / 90MHz / CP OFDM / 16QAM | |
|---|---|
| **Lowest Band Edge / Full RB** | **Highest Band Edge / Full RB** |
|  | |

| FR1 n41 / 90MHz / CP OFDM / 64QAM | |
|---|---|
| **Lowest Band Edge / Full RB** | **Highest Band Edge / Full RB** |
| |  |



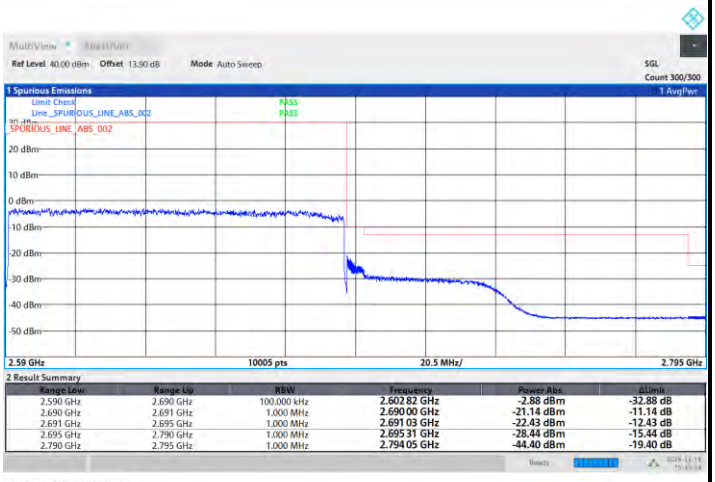


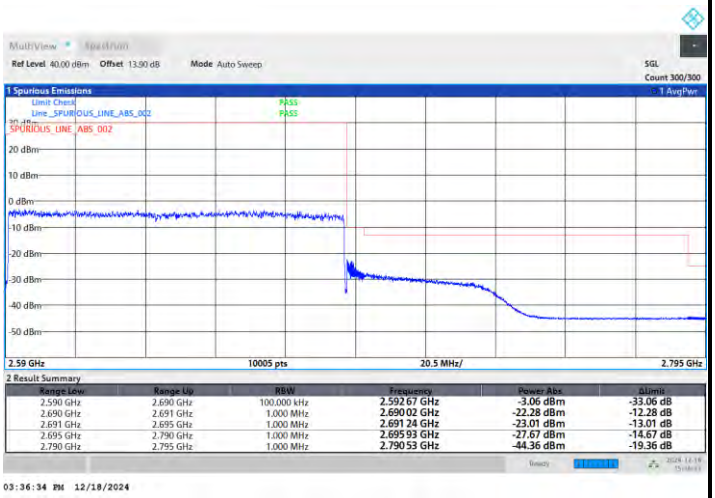
| FR1 n41 / 90MHz / CP OFDM / 256QAM | |
|---|---|
| **Lowest Band Edge / Full RB** | **Highest Band Edge / Full RB** |
|  | |

| FR1 n41 / 100MHz / CP OFDM / QPSK | |
|---|---|
| **Lowest Band Edge / Full RB** | **Highest Band Edge / Full RB** |
|  | |



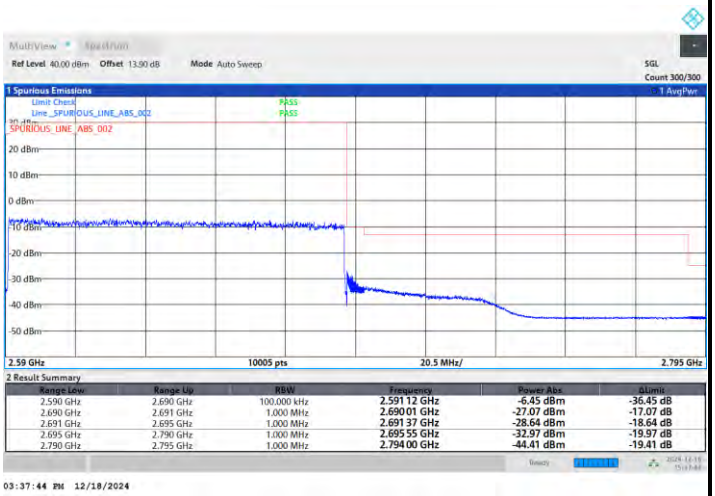


| FR1 n41 / 100MHz / CP OFDM / 16QAM | |
|---|---|
| **Lowest Band Edge / Full RB** | **Highest Band Edge / Full RB** |
| |  |

| FR1 n41 / 100MHz / CP OFDM / 64QAM | |
|---|---|
| **Lowest Band Edge / Full RB** | **Highest Band Edge / Full RB** |
| |  |



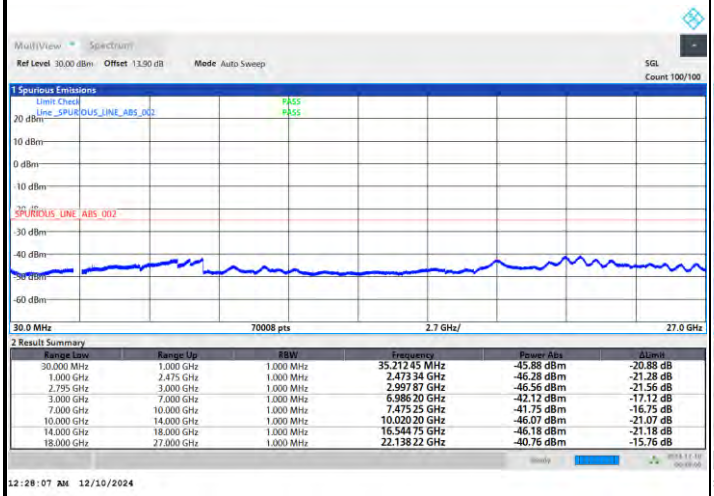


| FR1 n41 / 100MHz / CP OFDM / 256QAM | |
|---|---|
| **Lowest Band Edge / Full RB** | **Highest Band Edge / Full RB** |
| |  |

# Conducted Spurious Emission

## FR1 n41 / 10MHz / CP OFDM / QPSK / 1RB1

### Lowest Channel




2 Result Summary

| Range Low | Range Up | RBW | Frequency | Power Abs | ΔLimit |
|---|---|---|---|---|---|
| 30.000 MHz | 1.000 GHz | 1.000 MHz | 35.212 45 MHz | -45.88 dBm | -20.88 dB |
| 1.000 GHz | 2.475 GHz | 1.000 MHz | 2.473 34 GHz | -46.28 dBm | -21.28 dB |
| 2.795 GHz | 3.000 GHz | 1.000 MHz | 2.997 87 GHz | -46.56 dBm | -21.56 dB |
| 3.000 GHz | 7.000 GHz | 1.000 MHz | 6.986 20 GHz | -42.12 dBm | -17.12 dB |
| 7.000 GHz | 10.000 GHz | 1.000 MHz | 7.475 25 GHz | -41.75 dBm | -16.75 dB |
| 10.000 GHz | 14.000 GHz | 1.000 MHz | 10.020 20 GHz | -46.07 dBm | -21.07 dB |
| 14.000 GHz | 18.000 GHz | 1.000 MHz | 16.544 75 GHz | -46.18 dBm | -21.18 dB |
| 18.000 GHz | 27.000 GHz | 1.000 MHz | 22.138 22 GHz | -40.76 dBm | -15.76 dB |

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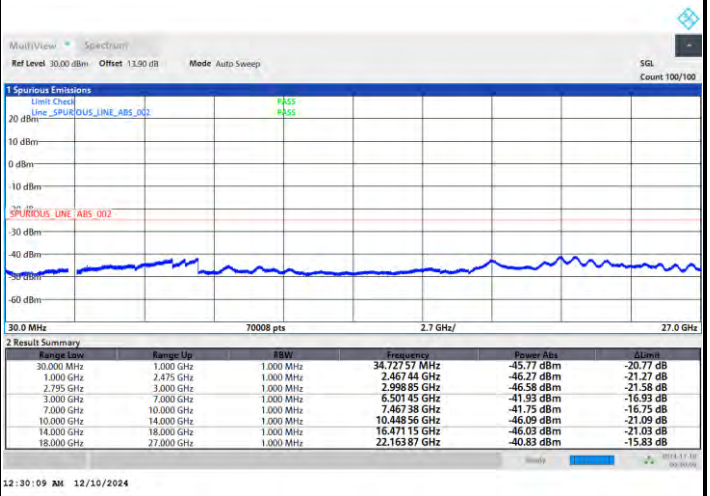
### Middle Channel

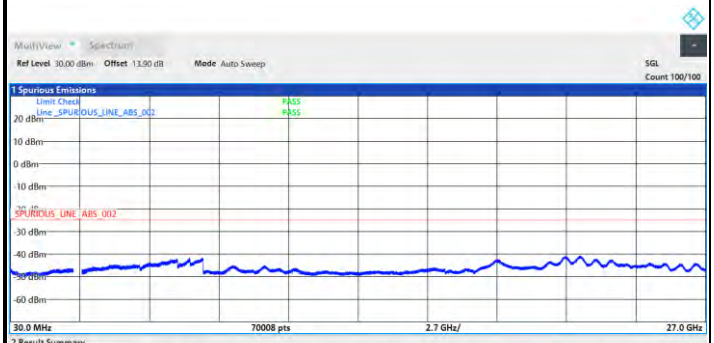



2 Result Summary

| Range Low | Range Up | RBW | Frequency | Power Abs | ΔLimit |
|---|---|---|---|---|---|
| 30.000 MHz | 1.000 GHz | 1.000 MHz | 34.727 57 MHz | -45.77 dBm | -20.77 dB |
| 1.000 GHz | 2.475 GHz | 1.000 MHz | 2.467 44 GHz | -46.27 dBm | -21.27 dB |
| 2.795 GHz | 3.000 GHz | 1.000 MHz | 2.998 85 GHz | -46.58 dBm | -21.58 dB |
| 3.000 GHz | 7.000 GHz | 1.000 MHz | 6.501 45 GHz | -41.93 dBm | -16.93 dB |
| 7.000 GHz | 10.000 GHz | 1.000 MHz | 7.467 38 GHz | -41.75 dBm | -16.75 dB |
| 10.000 GHz | 14.000 GHz | 1.000 MHz | 10.448 56 GHz | -46.09 dBm | -21.09 dB |
| 14.000 GHz | 18.000 GHz | 1.000 MHz | 16.471 15 GHz | -46.03 dBm | -21.03 dB |
| 18.000 GHz | 27.000 GHz | 1.000 MHz | 22.163 87 GHz | -40.83 dBm | -15.83 dB |

12:30:09 AM 12/10/2024

### Highest Channel




2 Result Summary

| Range Low | Range Up | RBW | Frequency | Power Abs | ΔLimit |
|---|---|---|---|---|---|
| 30.000 MHz | 1.000 GHz | 1.000 MHz | 33.515 37 MHz | -45.90 dBm | -20.90 dB |
| 1.000 GHz | 2.475 GHz | 1.000 MHz | 2.286 43 GHz | -46.39 dBm | -21.39 dB |
| 2.795 GHz | 3.000 GHz | 1.000 MHz | 2.985 94 GHz | -46.55 dBm | -21.55 dB |
| 3.000 GHz | 7.000 GHz | 1.000 MHz | 6.980 60 GHz | -41.62 dBm | -16.62 dB |
| 7.000 GHz | 10.000 GHz | 1.000 MHz | 7.460 63 GHz | -41.65 dBm | -16.65 dB |
| 10.000 GHz | 14.000 GHz | 1.000 MHz | 11.011 70 GHz | -46.20 dBm | -21.20 dB |
| 14.000 GHz | 18.000 GHz | 1.000 MHz | 16.454 35 GHz | -45.73 dBm | -20.73 dB |
| 18.000 GHz | 27.000 GHz | 1.000 MHz | 22.134 17 GHz | -40.89 dBm | -15.89 dB |

12:32:12 AM 12/10/2024

# Frequency Stability

| Test Conditions | | FR1 n41 (QPSK) / Middle Channel | Limit |
|---|---|---|---|
| Temperature (°C) | Voltage (Volt) | BW 20MHz | Note 2. |
| | | Deviation (ppm) | Result |
| 50 | Normal Voltage | 0.0013 | PASS |
| 40 | Normal Voltage | 0.0002 | |
| 30 | Normal Voltage | 0.0006 | |
| 20(Ref.) | Normal Voltage | 0.0000 | |
| 10 | Normal Voltage | 0.0021 | |
| 0 | Normal Voltage | 0.0028 | |
| -10 | Normal Voltage | 0.0005 | |
| -20 | Normal Voltage | 0.0004 | |
| -30 | Normal Voltage | 0.0017 | |
| 20 | Maximum Voltage | 0.0017 | |
| 20 | Normal Voltage | 0.0024 | |
| 20 | Minimum Voltage | 0.0010 | |

**Note:**

1. Normal Voltage = 3.9 V.；Minimum Voltage = 3.6 V.；Maximum Voltage = 4.5 V.
2. The frequency fundamental emissions stay within the authorized frequency block.

## MIMO <Ant. 2+1> (Ant. 1)

## Peak-to-Average Ratio

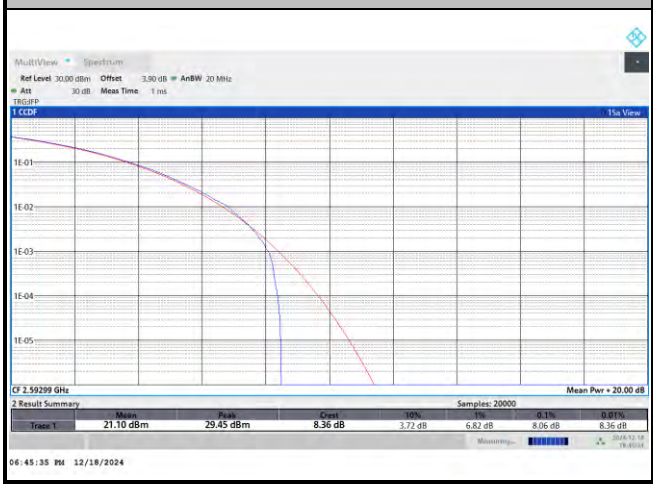
| Mode | FR1 n41 / 20MHz / CP OFDM | | | | |
|---|---|---|---|---|---|
| Mod. | QPSK | 16QAM | 64QAM | 256QAM | Limit: 13dB |
| RB Size | Full RB | Full RB | Full RB | Full RB | Result |
| Middle CH | 8.26 | 8.18 | 8.06 | 8.60 | PASS |

**FR1 n41 / 20MHz /CP OFDM / Middle Channel / Full RB**

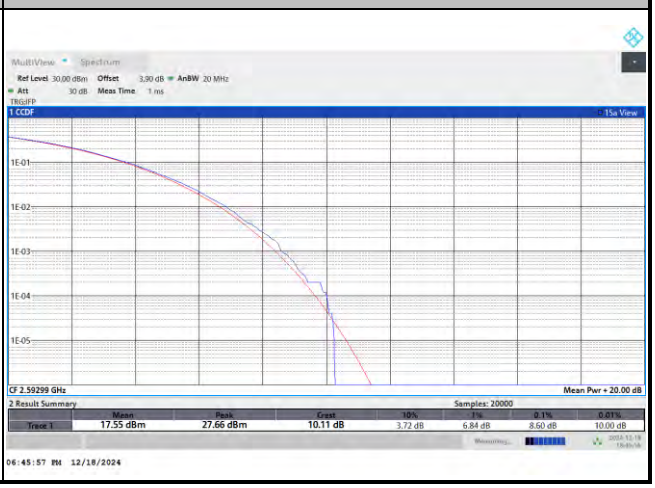
**QPSK**

**16QAM**

**64QAM**

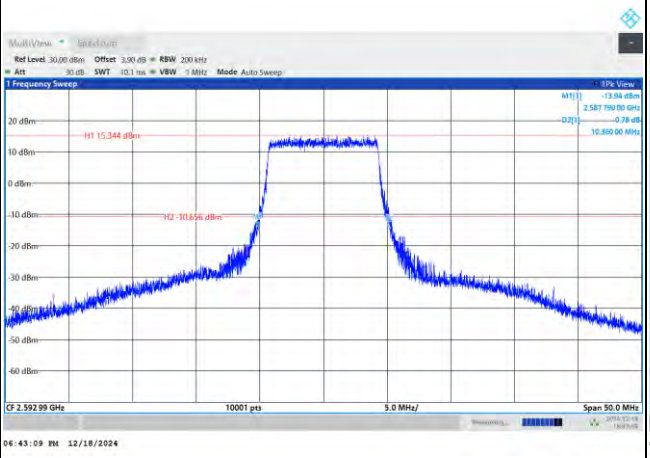
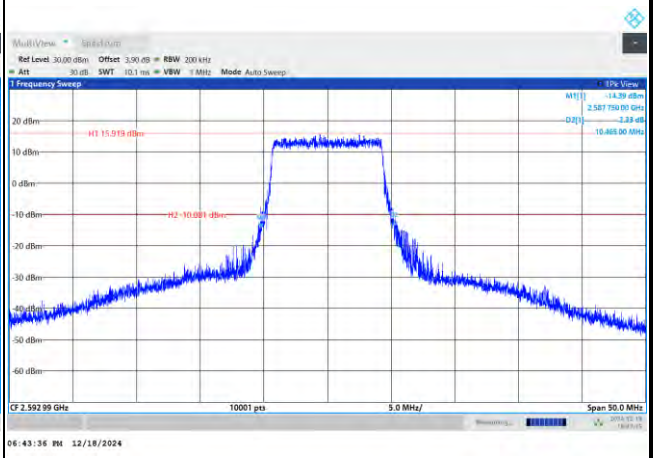
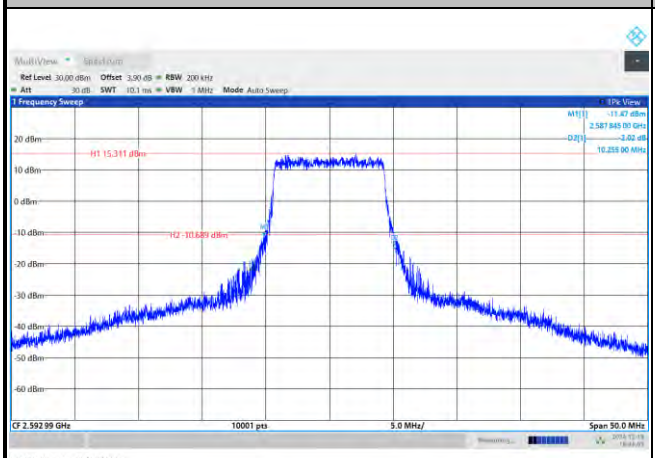
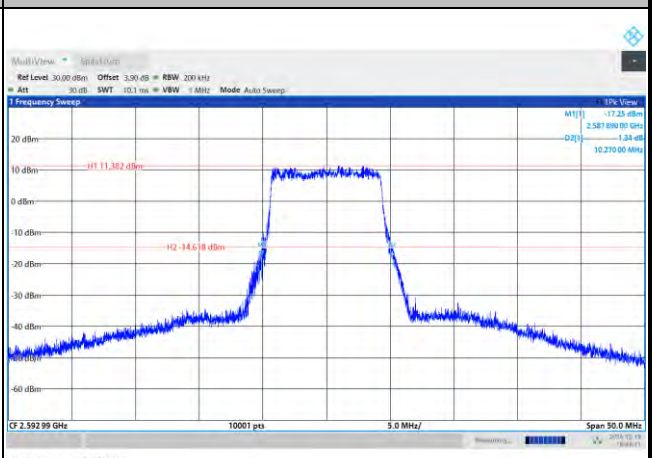


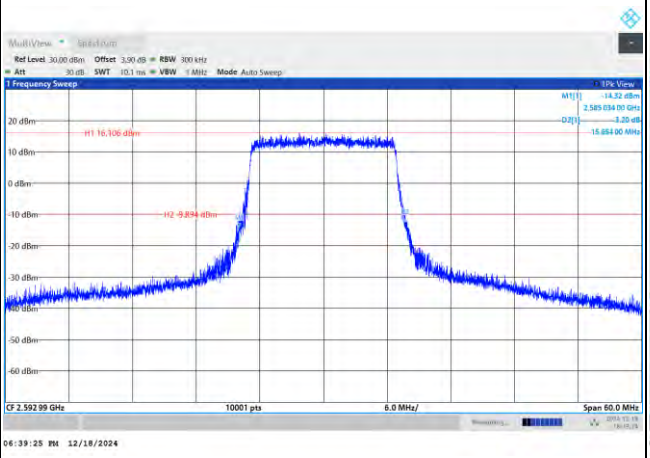
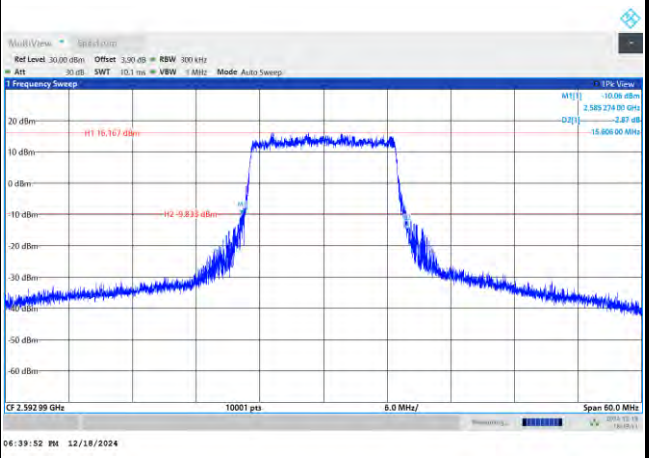
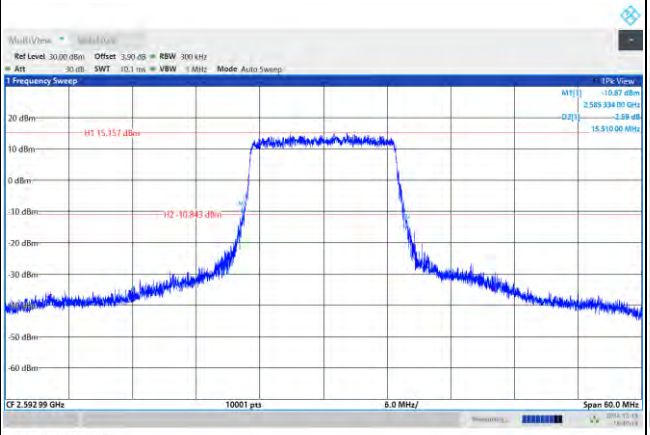
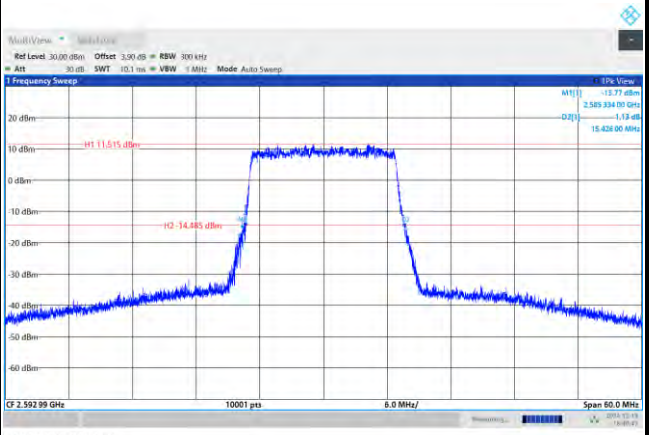

**256QAM**

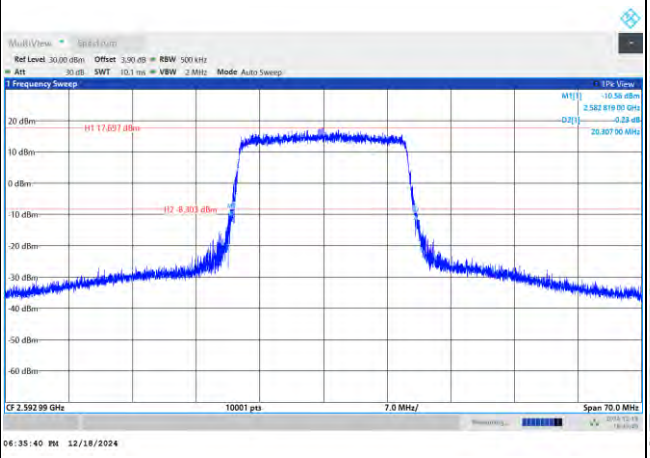
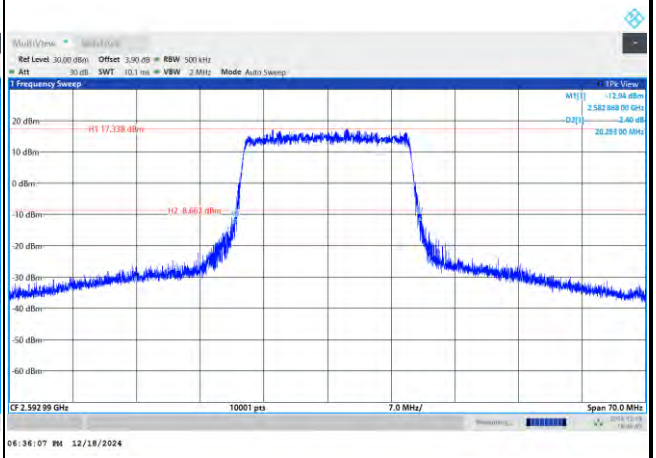
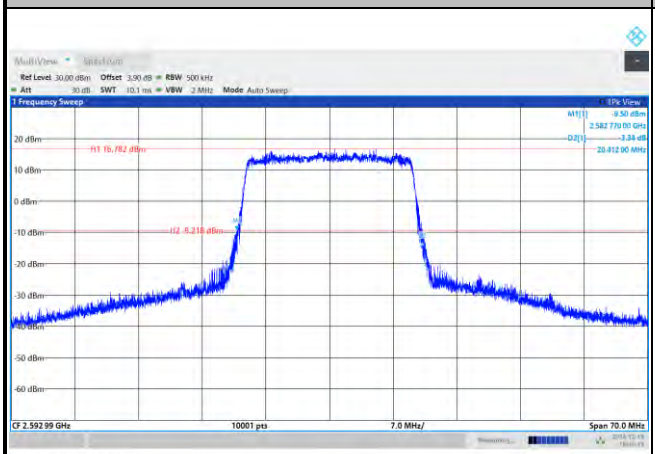
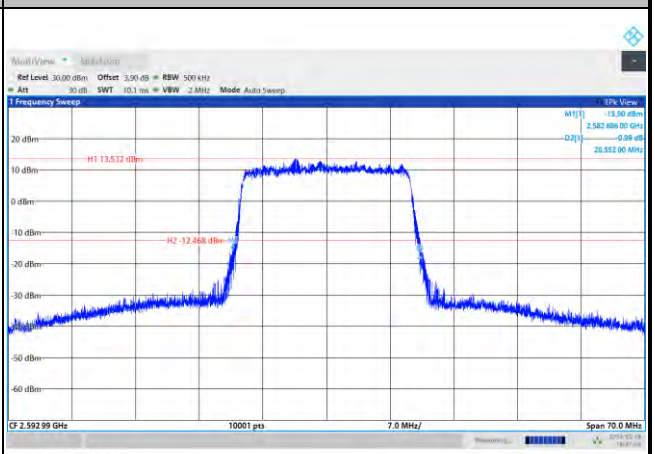


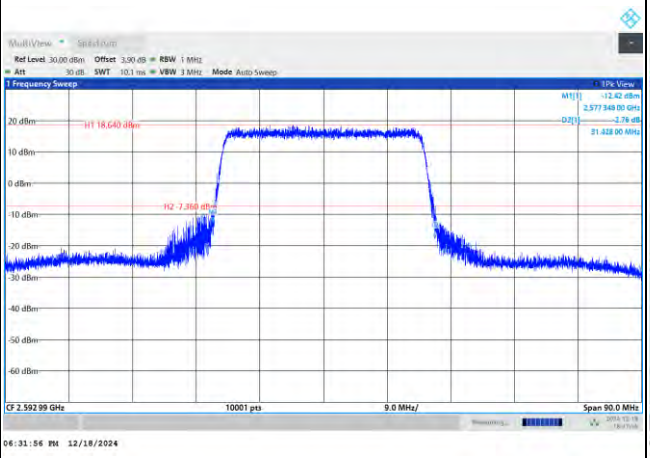
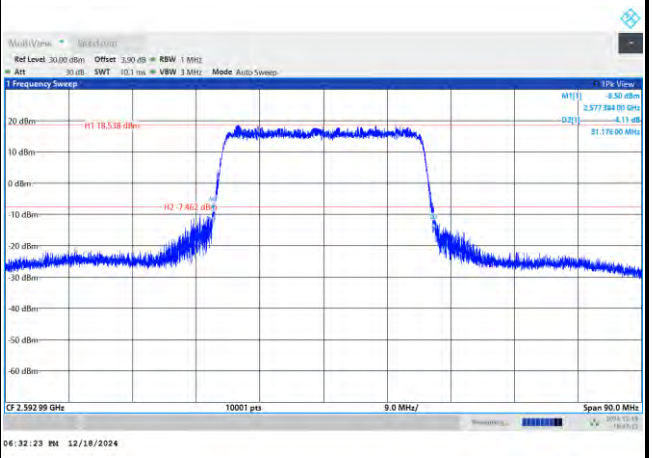
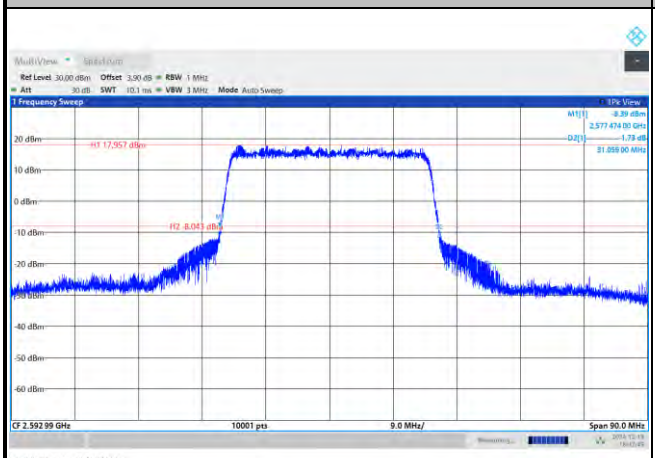
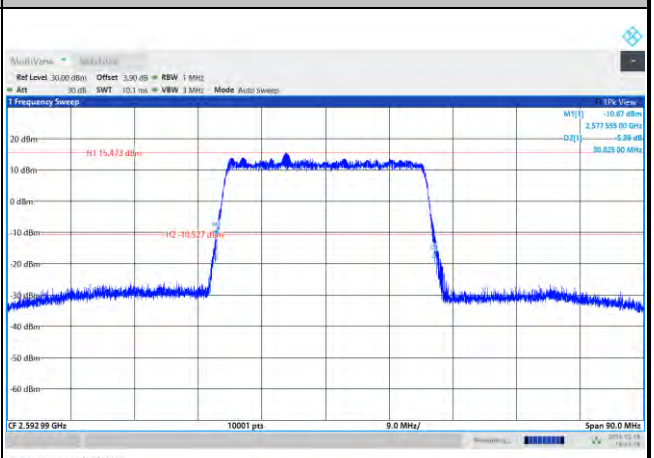
# 26dB Bandwidth

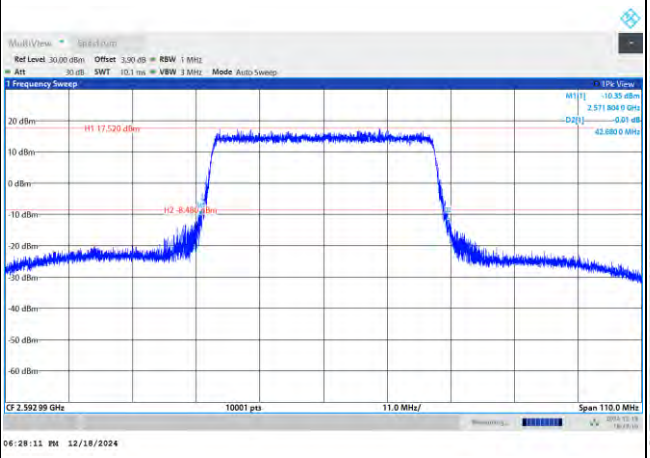
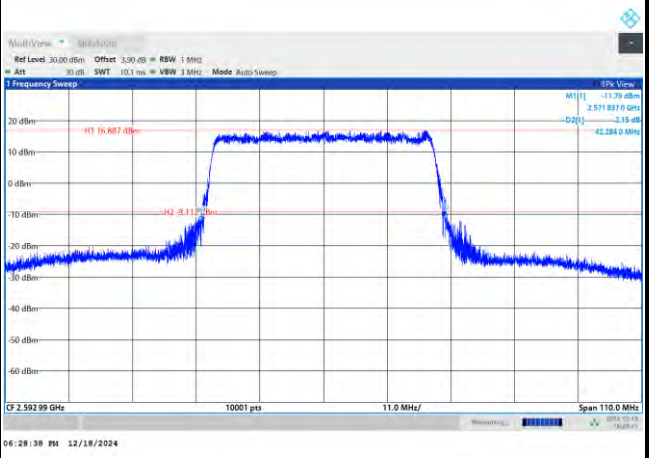
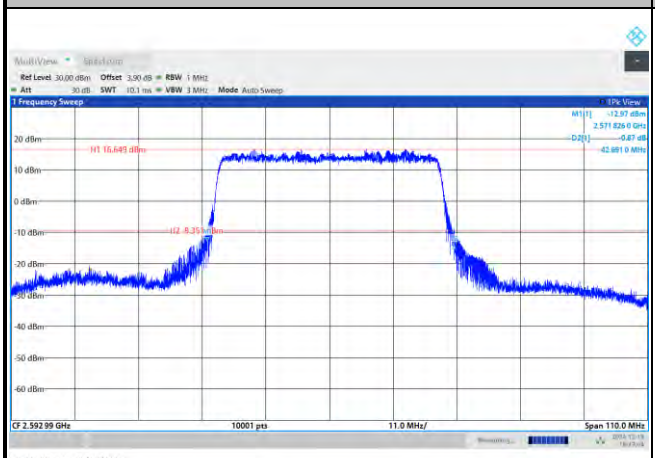
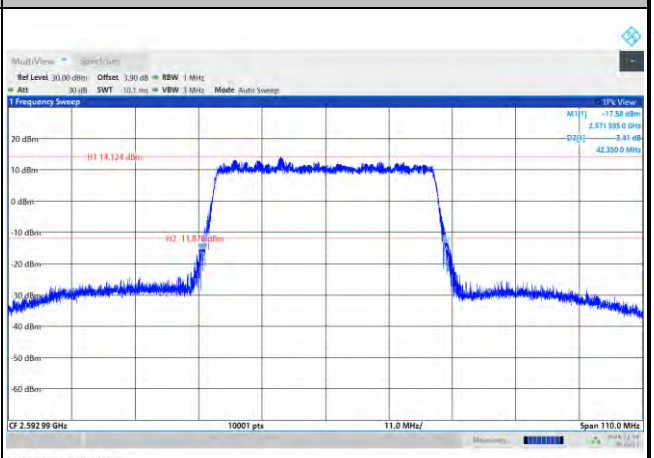
| Mode | FR1 n41 : 26dB BW(MHz) / CP OFDM | | | | | | | |
|---|---|---|---|---|---|---|---|---|
| BW | 10MHz | | 15MHz | | 20MHz | | 25MHz | |
| Mod. | QPSK | 16QAM | QPSK | 16QAM | QPSK | 16QAM | QPSK | 16QAM |
| Middle CH | 10.36 | 10.46 | 15.65 | 15.60 | 20.30 | 20.29 | - | - |
| Mod. | 64QAM | 256QAM | 64QAM | 256QAM | 64QAM | 256QAM | 64QAM | 256QAM |
| Middle CH | 10.25 | 10.27 | 15.51 | 15.42 | 20.41 | 20.55 | - | - |
| BW | 30MHz | | 40MHz | | 50MHz | | 60MHz | |
| Mod. | QPSK | 16QAM | QPSK | 16QAM | QPSK | 16QAM | QPSK | 16QAM |
| Middle CH | 31.42 | 31.17 | 42.68 | 42.28 | 52.39 | 52.22 | 67.17 | 67.24 |
| Mod. | 64QAM | 256QAM | 64QAM | 256QAM | 64QAM | 256QAM | 64QAM | 256QAM |
| Middle CH | 31.05 | 30.82 | 42.69 | 42.35 | 52.39 | 52.55 | 68.88 | 67.74 |
| BW | 70MHz | | 80MHz | | 90MHz | | 100MHz | |
| Mod. | QPSK | 16QAM | QPSK | 16QAM | QPSK | 16QAM | QPSK | 16QAM |
| Middle CH | 76.94 | 77.09 | 85.04 | 84.01 | 96.30 | 97.10 | 106.72 | 105.86 |
| Mod. | 64QAM | 256QAM | 64QAM | 256QAM | 64QAM | 256QAM | 64QAM | 256QAM |
| Middle CH | 77.23 | 77.24 | 83.67 | 84.62 | 97.08 | 98.25 | 106.58 | 105.66 |

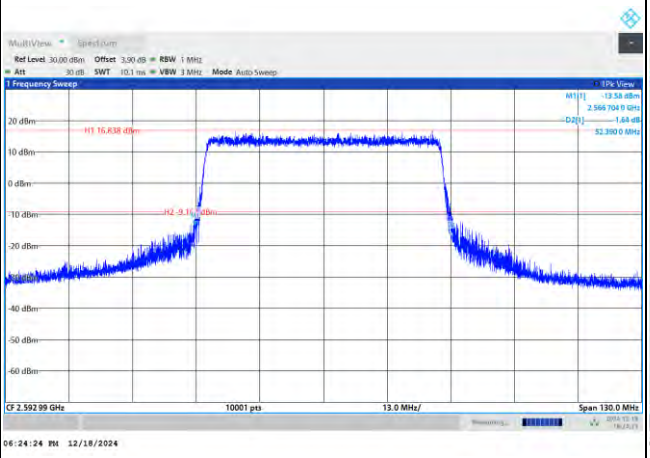
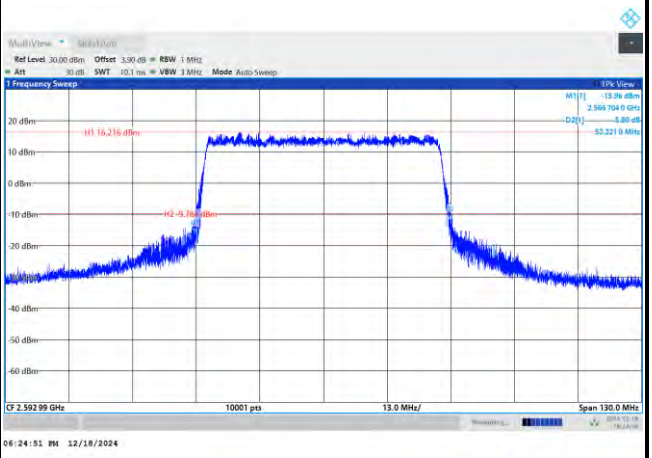
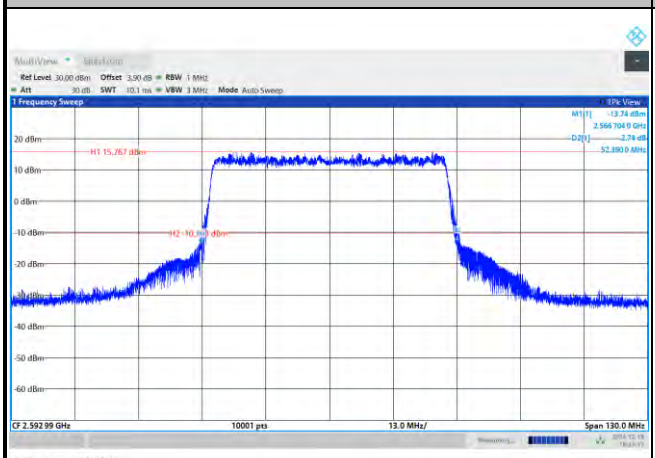
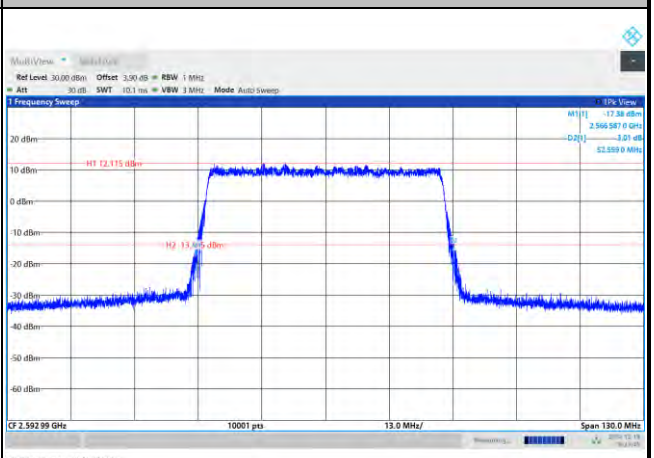
| FR1 n41 / 10MHz / CP OFDM / Middle Channel / Full RB | |
|---|---|
| QPSK | 16QAM |
|  |  |
| 64QAM | 256QAM |
|  |  |

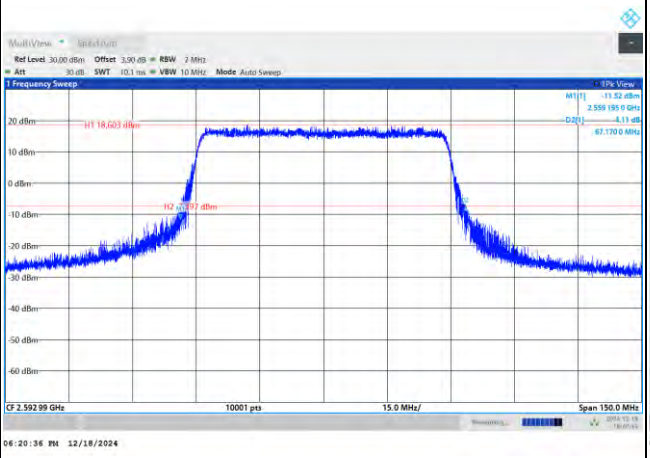
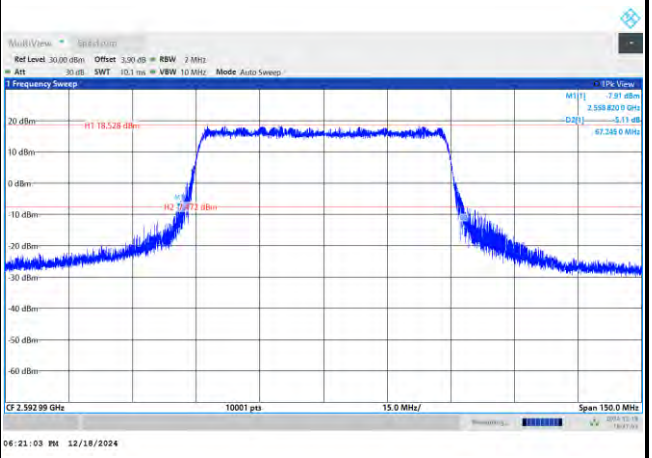
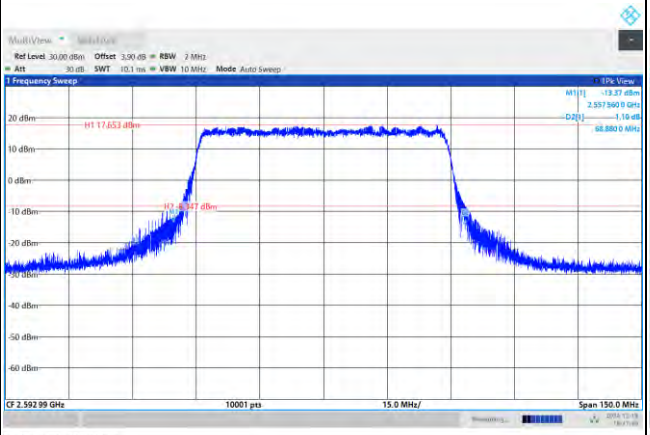
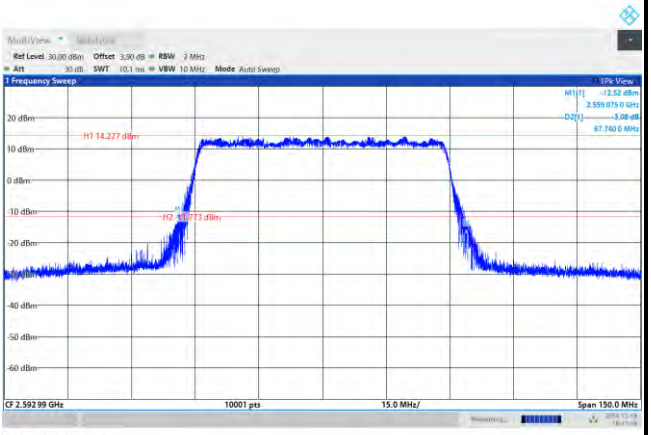
| FR1 n41 / 15MHz / CP OFDM / Middle Channel / Full RB | |
|---|---|
| QPSK | 16QAM |
|  |  |
| 64QAM | 256QAM |
|  |  |

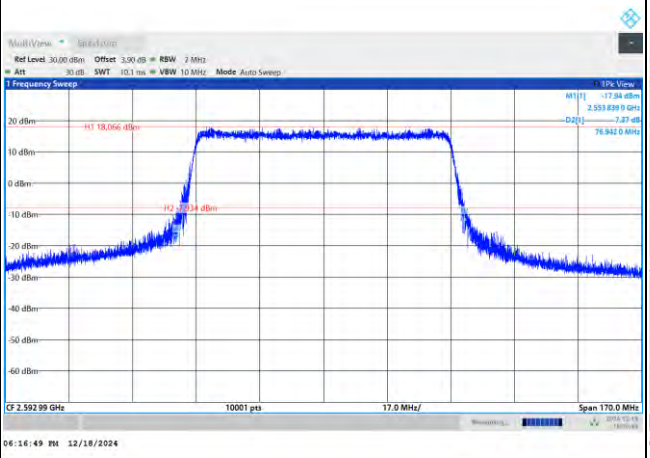
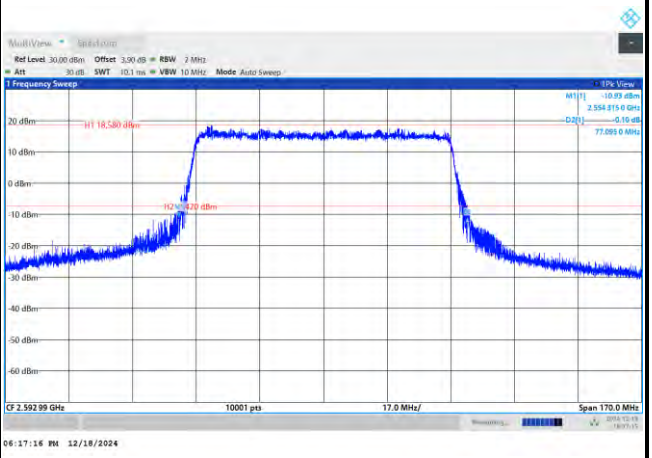
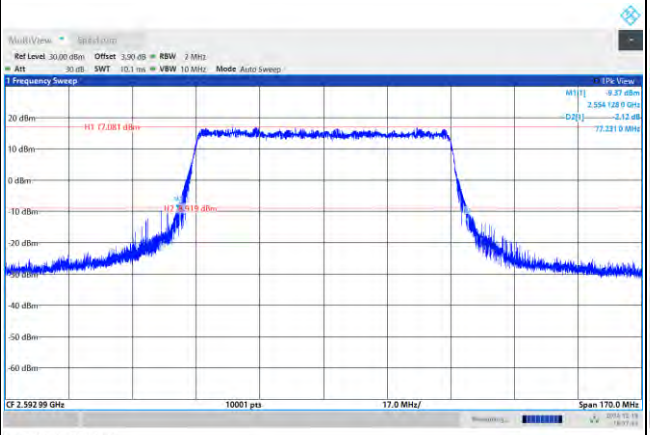
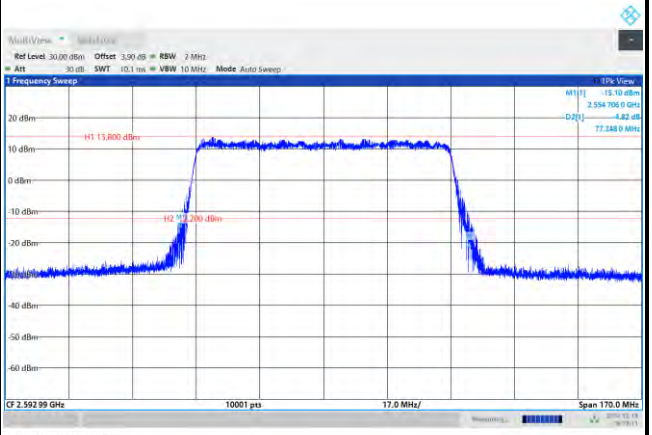
| FR1 n41 / 20MHz / CP OFDM / Middle Channel / Full RB | |
|---|---|
| QPSK | 16QAM |
|  |  |
| 64QAM | 256QAM |
|  |  |

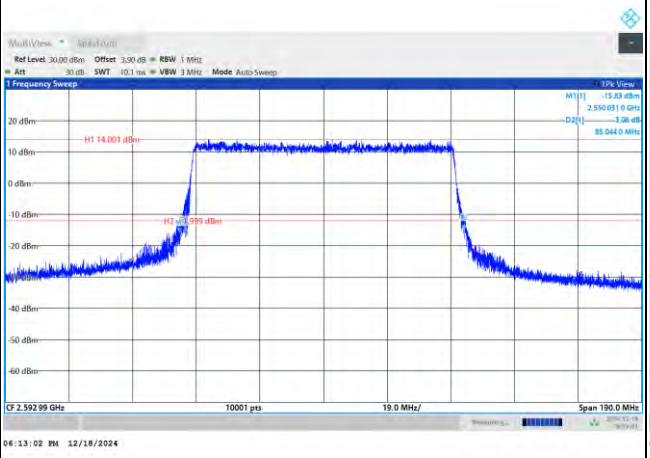
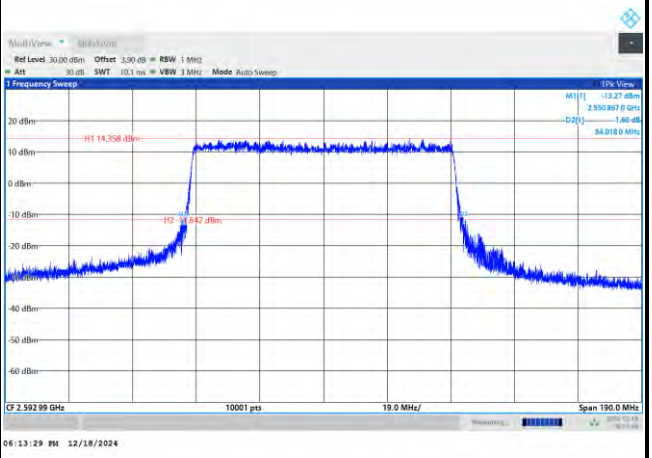
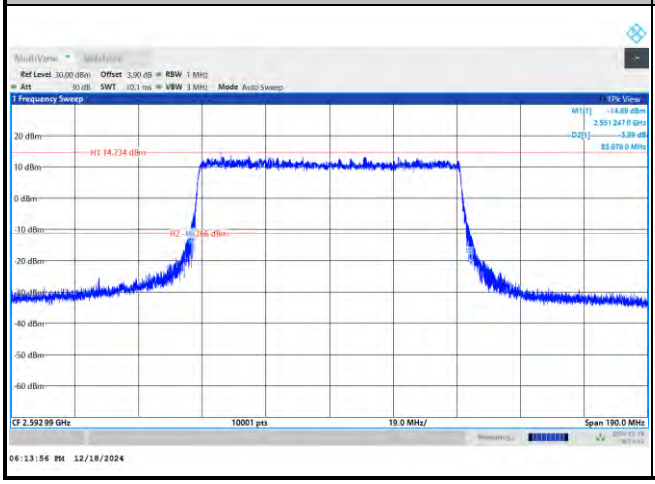
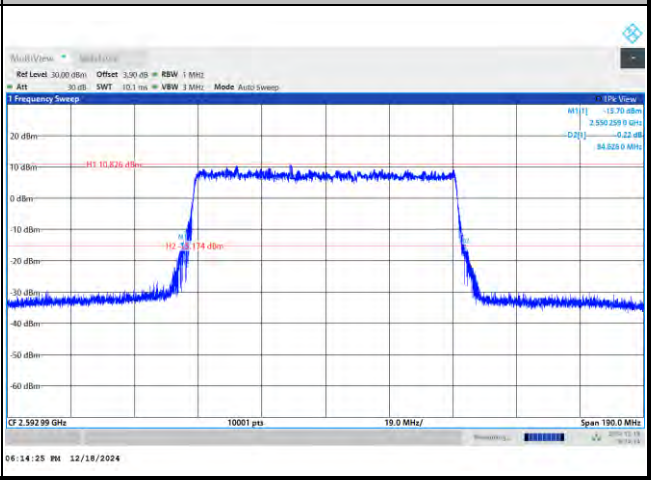
| FR1 n41 / 30MHz / CP OFDM / Middle Channel / Full RB | |
|---|---|
| QPSK | 16QAM |
|  |  |
| 64QAM | 256QAM |
|  |  |

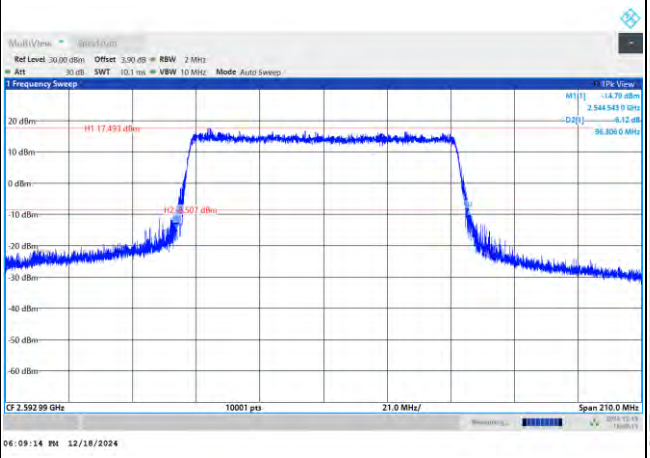
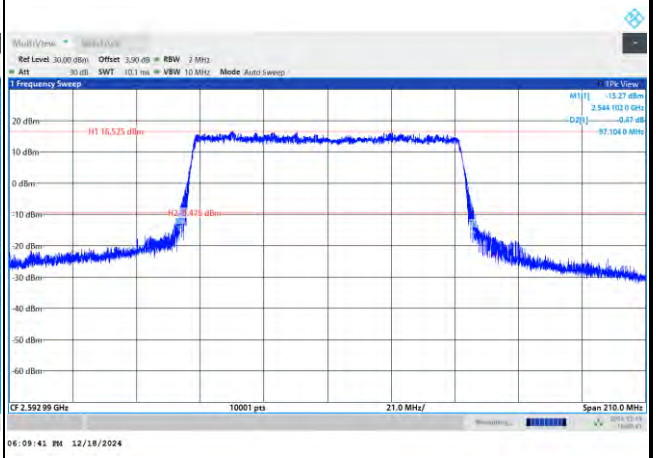
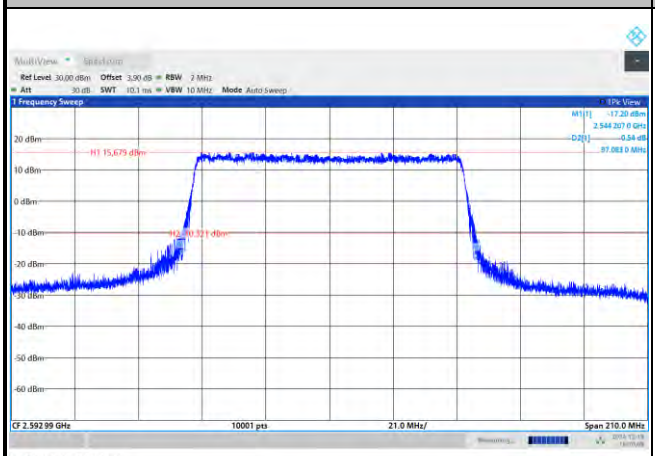
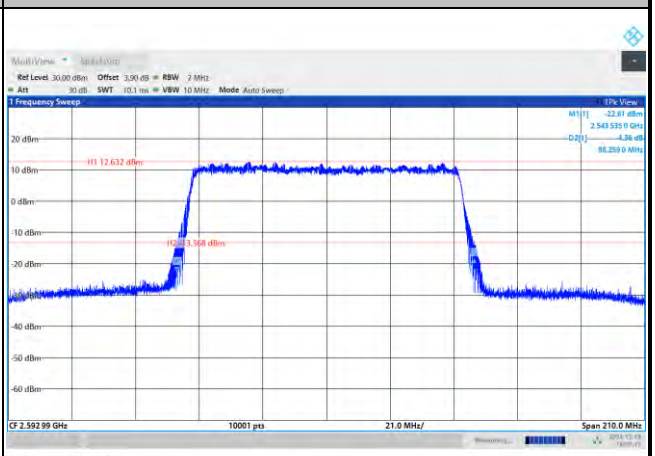
| FR1 n41 / 40MHz / CP OFDM / Middle Channel / Full RB | |
|---|---|
| QPSK | 16QAM |
|  |  |
| 64QAM | 256QAM |
|  |  |

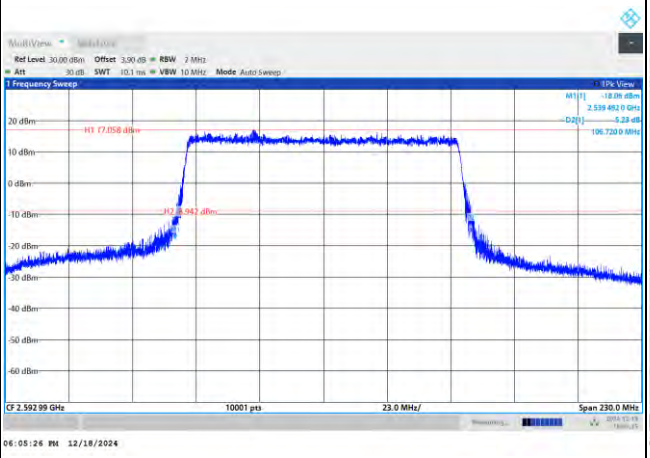
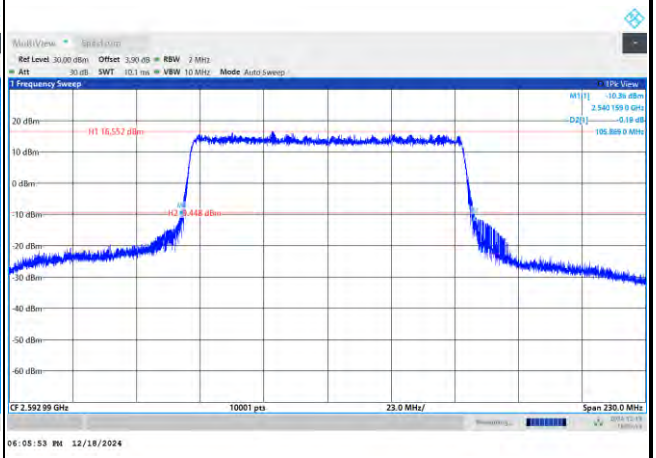
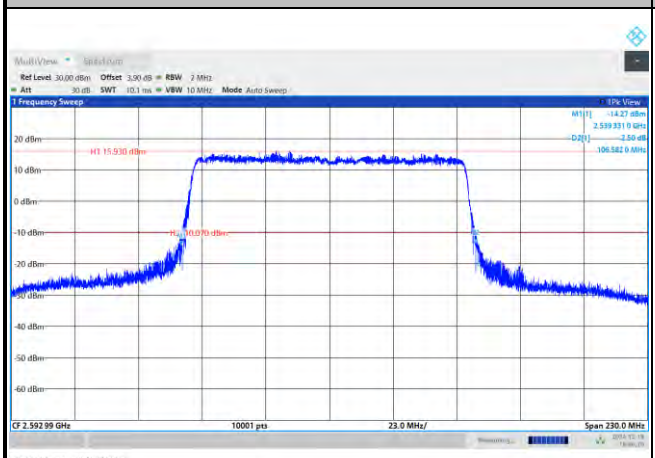
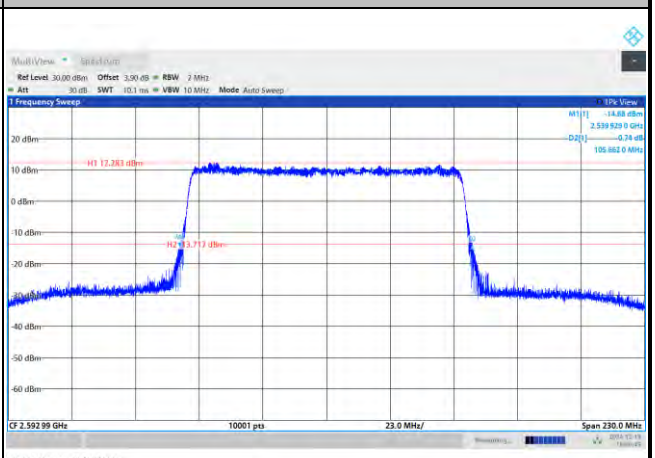
| FR1 n41 / 50MHz / CP OFDM / Middle Channel / Full RB | |
|---|---|
| QPSK | 16QAM |
|  |  |
| 64QAM | 256QAM |
|  |  |

| FR1 n41 / 60MHz / CP OFDM / Middle Channel / Full RB | |
|---|---|
| QPSK | 16QAM |
|  |  |
| 64QAM | 256QAM |
|  |  |

| FR1 n41 / 70MHz / CP OFDM / Middle Channel / Full RB | |
|---|---|
| QPSK | 16QAM |
|  |  |
| 64QAM | 256QAM |
|  |  |

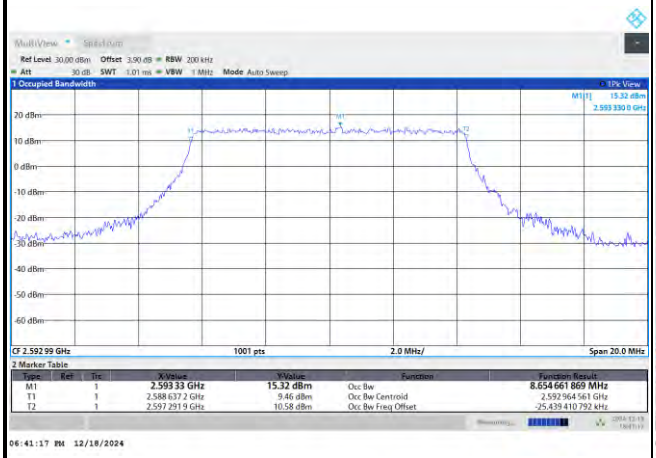
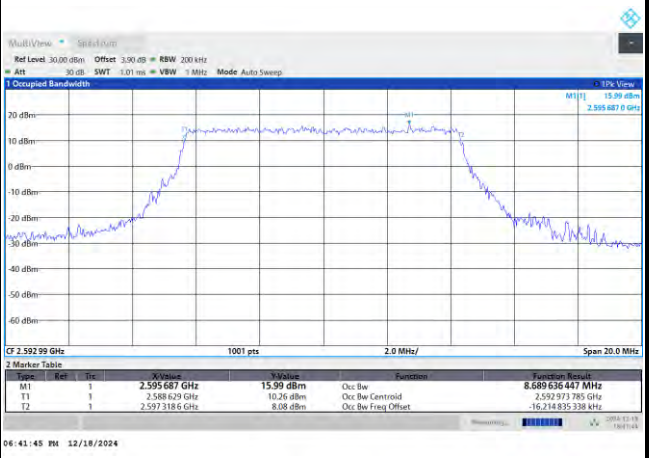
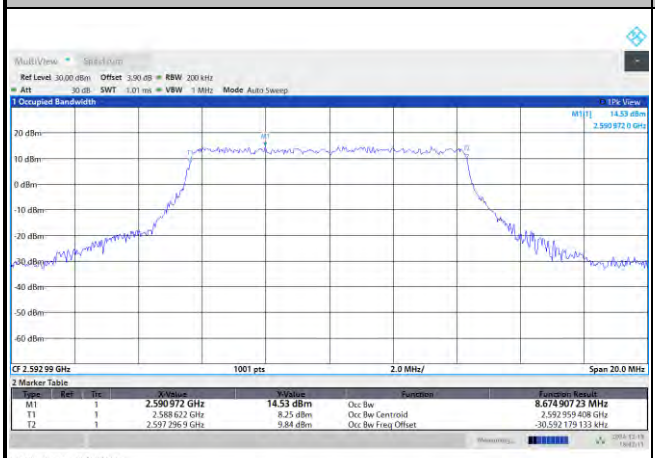
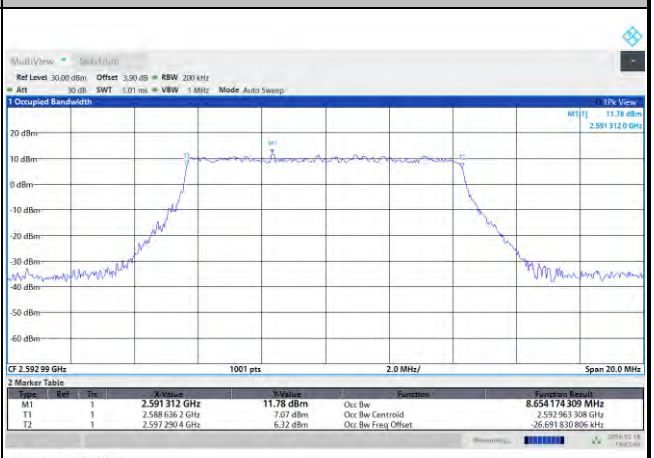
| FR1 n41 / 80MHz / CP OFDM / Middle Channel / Full RB | |
|---|---|
| QPSK | 16QAM |
|  |  |
| 64QAM | 256QAM |
|  |  |

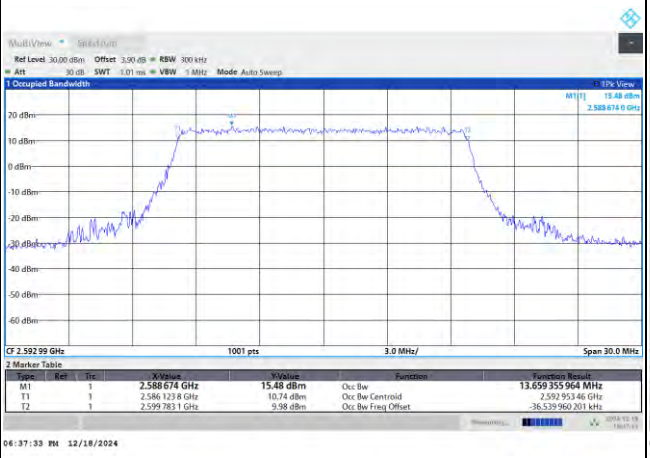
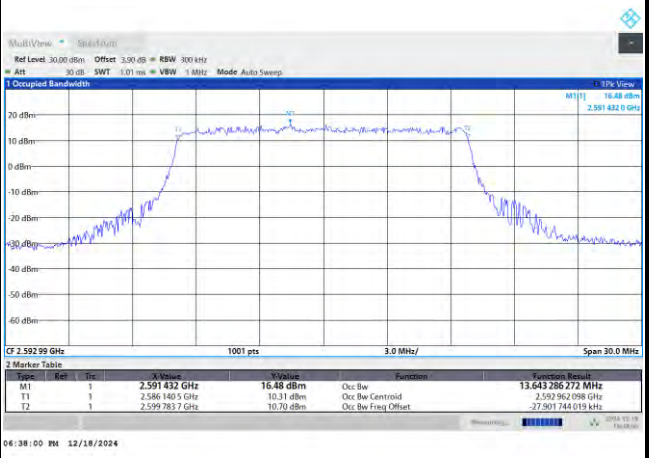
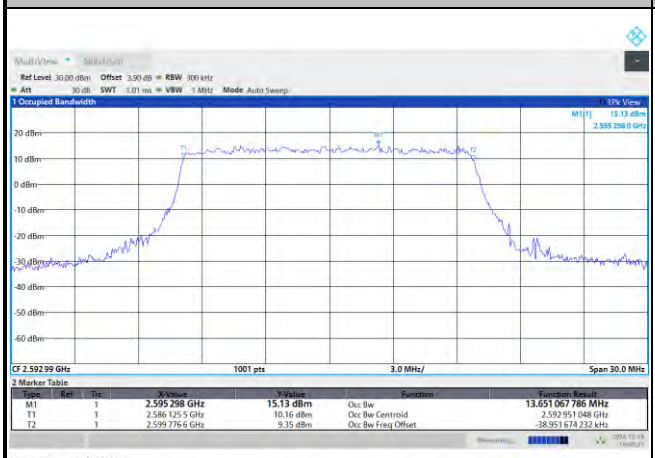
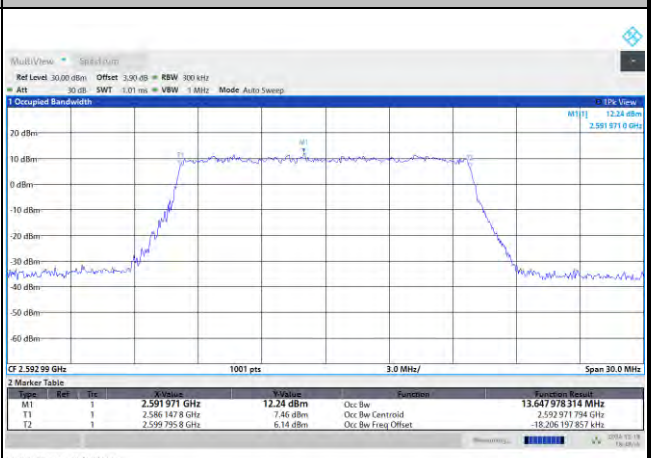
| FR1 n41 / 90MHz / CP OFDM / Middle Channel / Full RB | |
|---|---|
| QPSK | 16QAM |
|  |  |
| 64QAM | 256QAM |
|  |  |

| FR1 n41 / 100MHz / CP OFDM / Middle Channel / Full RB | |
|---|---|
| QPSK | 16QAM |
|  |  |
| 64QAM | 256QAM |
|  |  |

# Occupied Bandwidth

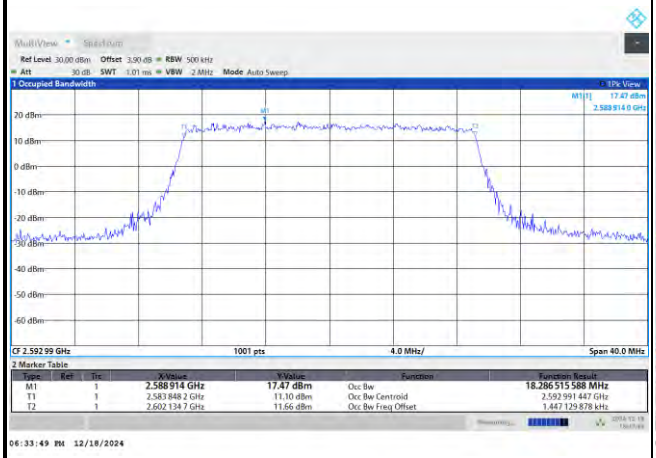
| Mode | FR1 n41 : OB BW(MHz) / CP OFDM | | | | | | | |
|---|---|---|---|---|---|---|---|---|
| BW | 10MHz | | 15MHz | | 20MHz | | 25MHz | |
| Mod. | QPSK | 16QAM | QPSK | 16QAM | QPSK | 16QAM | QPSK | 16QAM |
| Middle CH | 8.65 | 8.68 | 13.65 | 13.64 | 18.28 | 18.28 | - | - |
| Mod. | 64QAM | 256QAM | 64QAM | 256QAM | 64QAM | 256QAM | 64QAM | 256QAM |
| Middle CH | 8.67 | 8.65 | 13.65 | 13.64 | 18.31 | 18.37 | - | - |
| BW | 30MHz | | 40MHz | | 50MHz | | 60MHz | |
| Mod. | QPSK | 16QAM | QPSK | 16QAM | QPSK | 16QAM | QPSK | 16QAM |
| Middle CH | 28.19 | 28.11 | 38.13 | 38.00 | 47.65 | 47.70 | 58.81 | 58.54 |
| Mod. | 64QAM | 256QAM | 64QAM | 256QAM | 64QAM | 256QAM | 64QAM | 256QAM |
| Middle CH | 28.26 | 28.19 | 38.10 | 38.00 | 47.68 | 47.72 | 58.60 | 58.81 |
| BW | 70MHz | | 80MHz | | 90MHz | | 100MHz | |
| Mod. | QPSK | 16QAM | QPSK | 16QAM | QPSK | 16QAM | QPSK | 16QAM |
| Middle CH | 68.25 | 68.47 | 77.93 | 77.97 | 87.79 | 88.08 | 97.89 | 97.88 |
| Mod. | 64QAM | 256QAM | 64QAM | 256QAM | 64QAM | 256QAM | 64QAM | 256QAM |
| Middle CH | 68.30 | 68.01 | 78.17 | 78.23 | 87.90 | 88.16 | 97.83 | 97.72 |

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

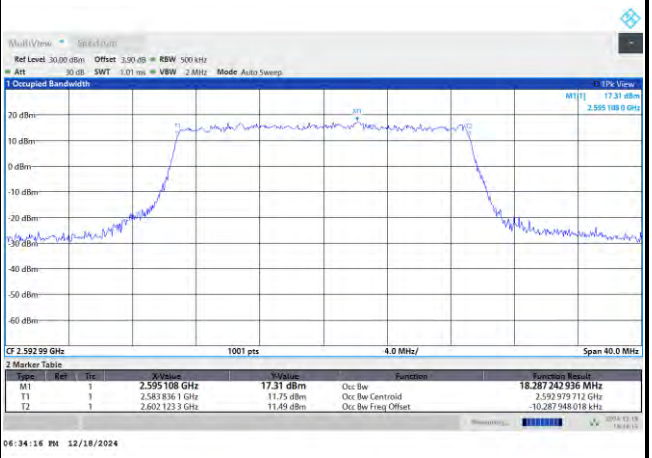
| FR1 n41 / 15MHz / CP OFDM / Middle Channel / Full RB | |
|---|---|
| **QPSK** | **16QAM** |
|  |  |
| **64QAM** | **256QAM** |
|  |  |

## FR1 n41 / 20MHz / CP OFDM / Middle Channel / Full RB

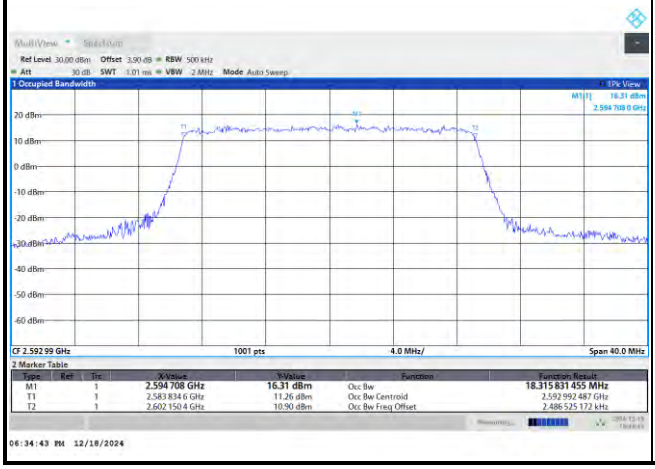
### QPSK



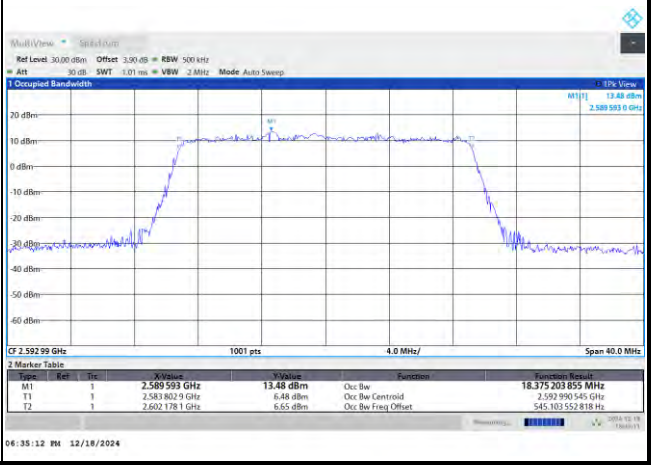

### 16QAM

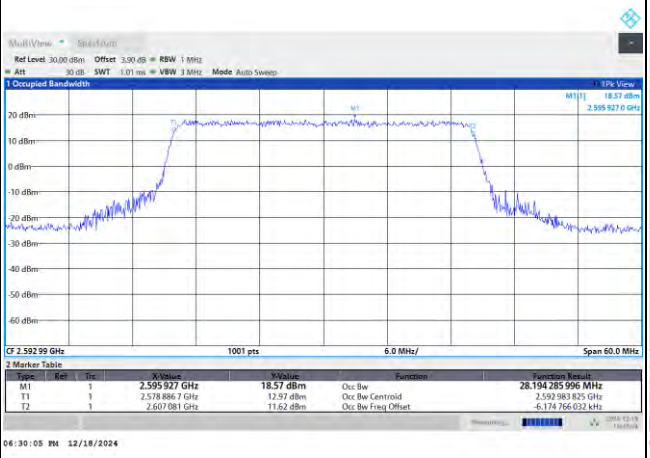
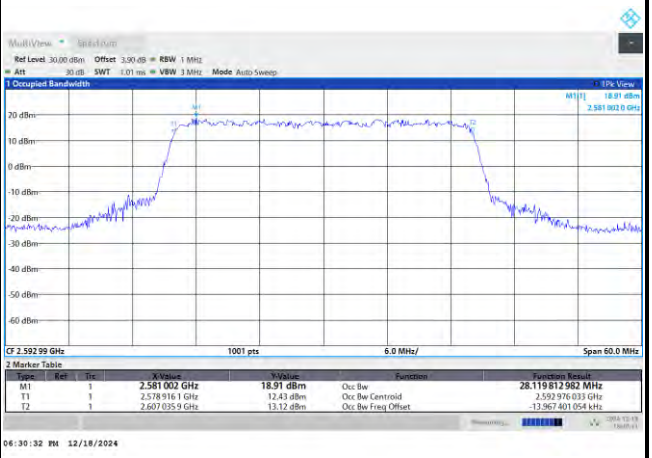
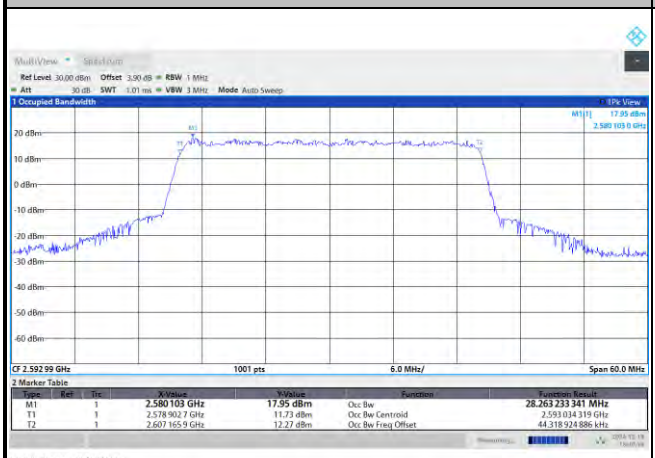
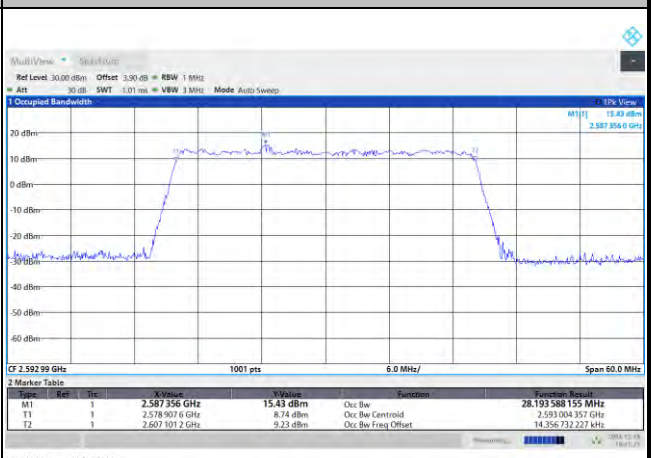


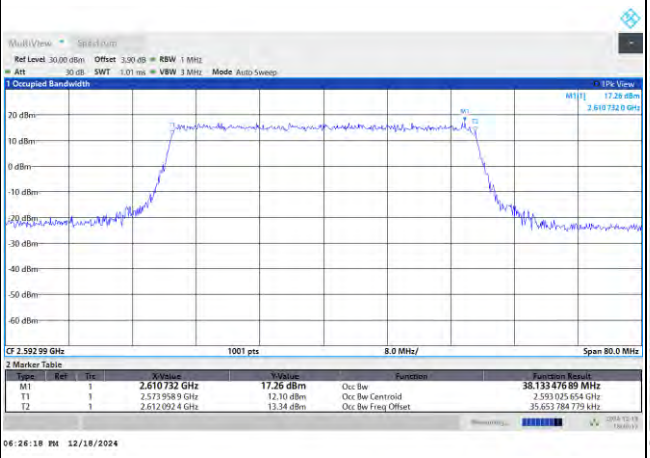
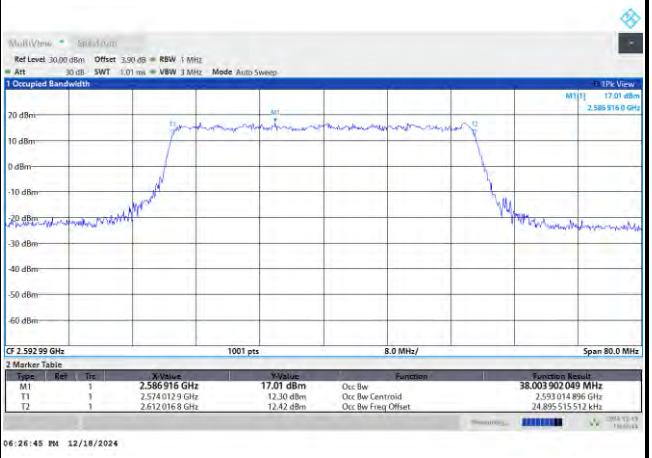
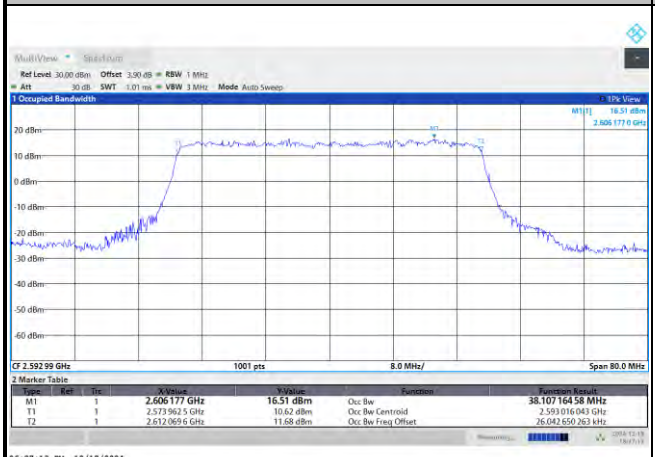
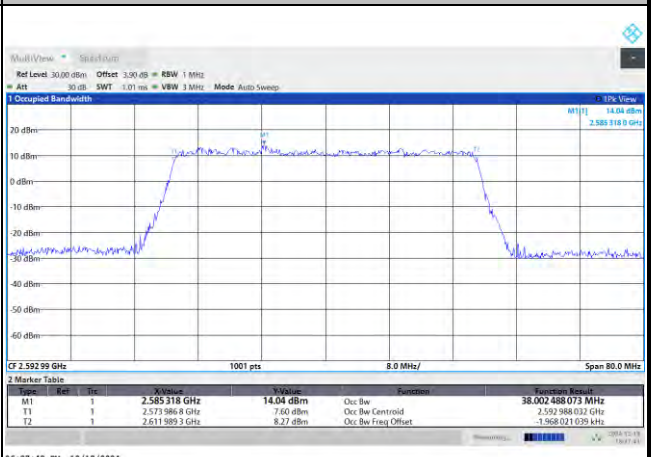

### 64QAM

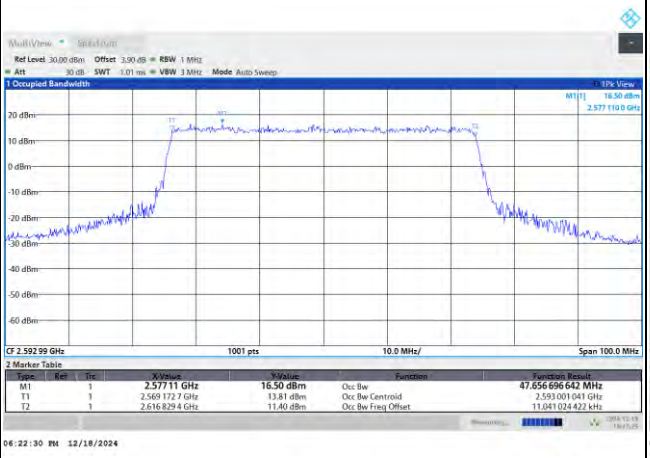
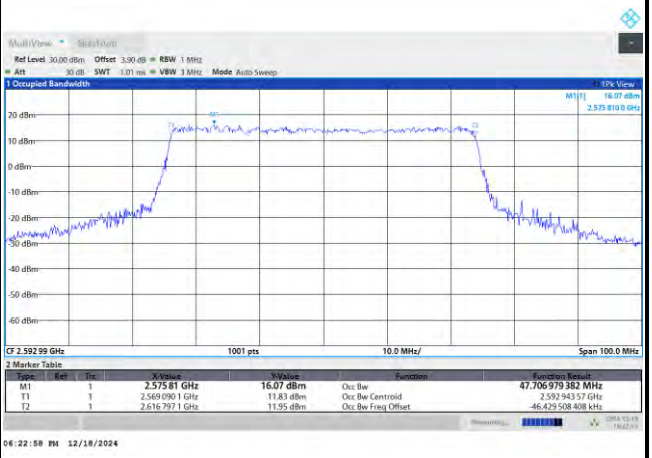
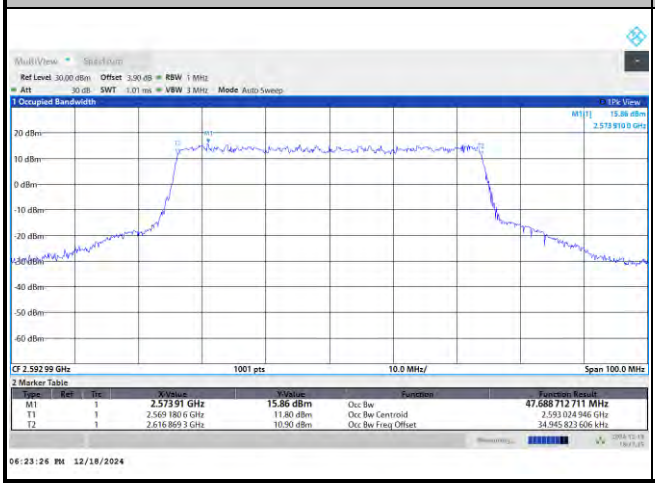
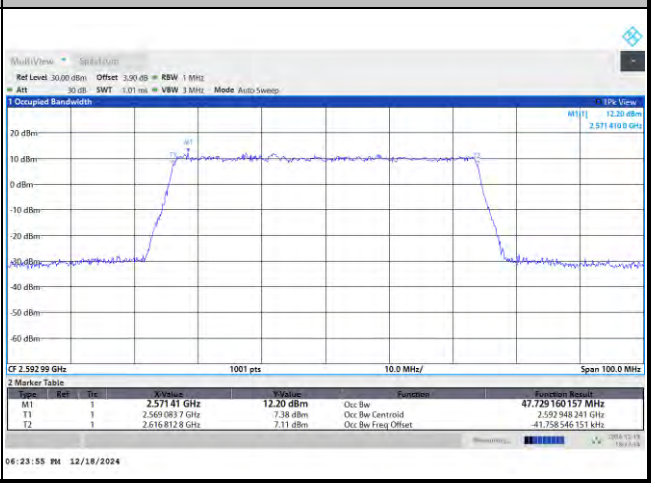


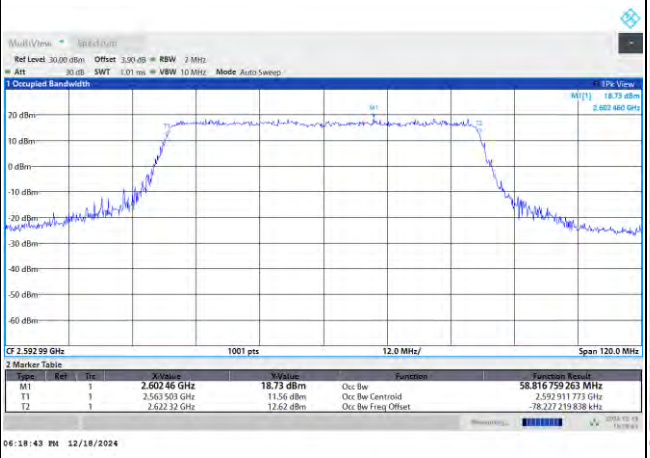
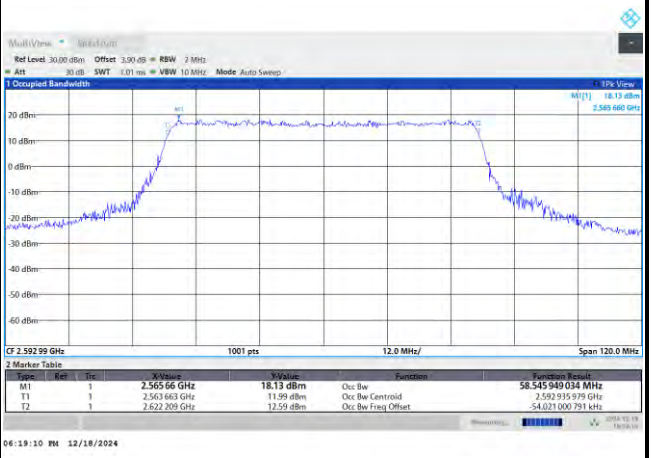
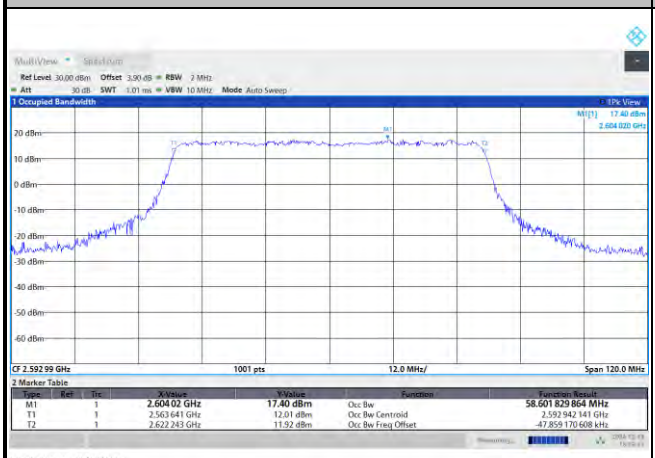
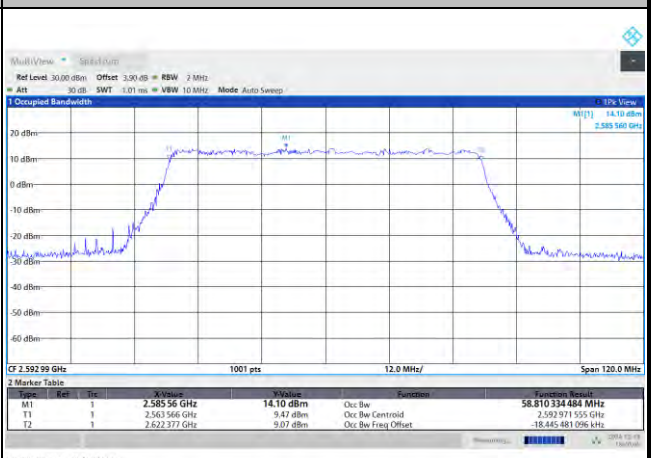

### 256QAM

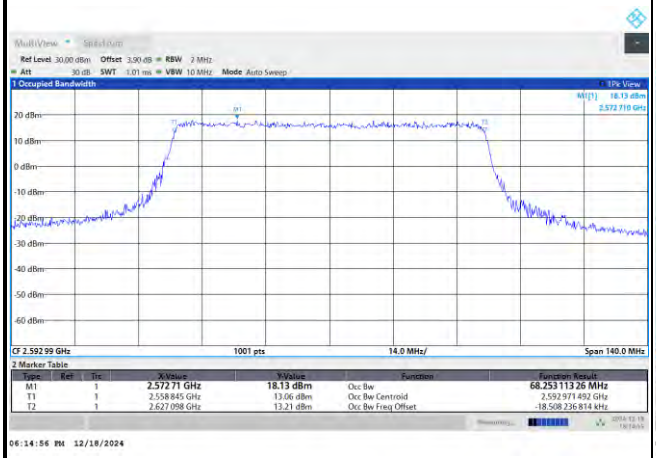
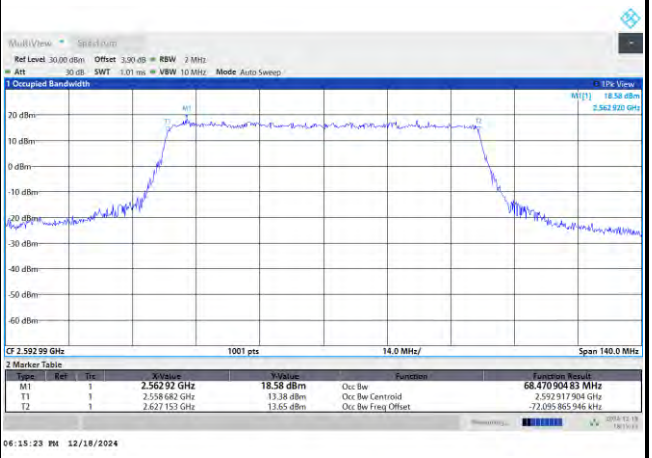
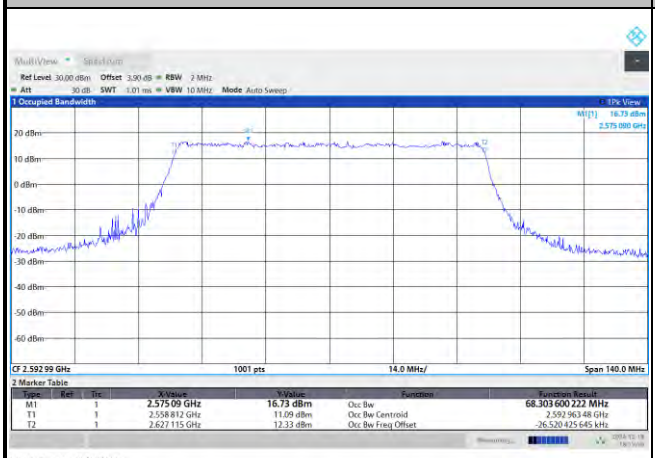
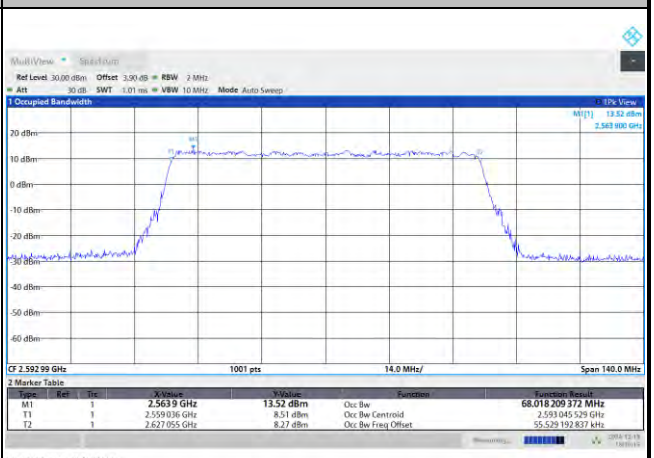


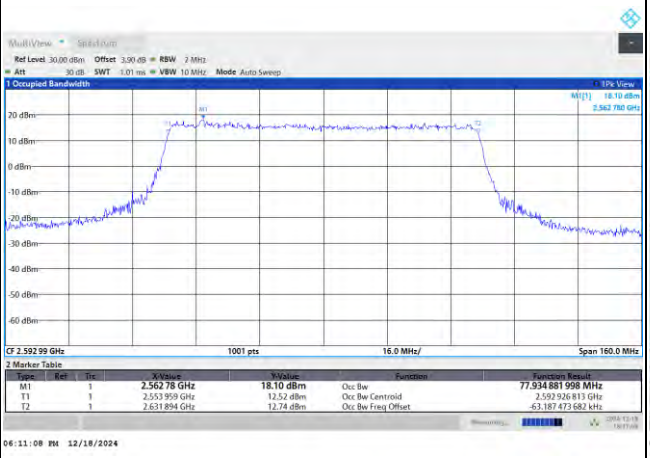
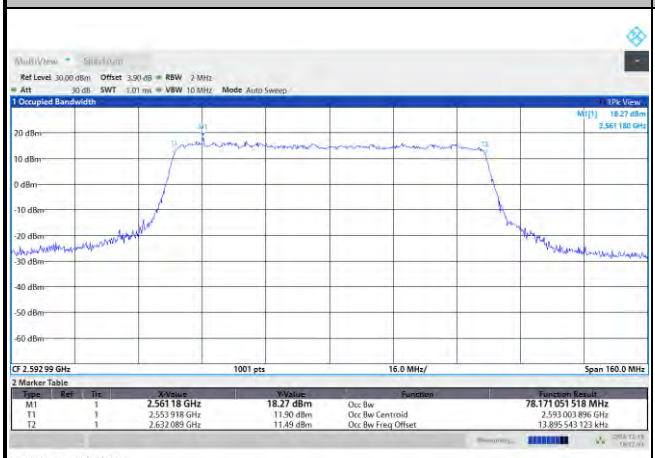
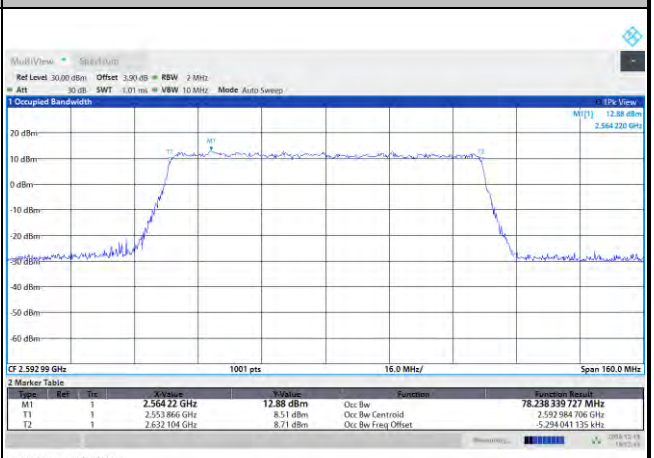
| FR1 n41 / 30MHz / CP OFDM / Middle Channel / Full RB | |
|---|---|
| QPSK | 16QAM |
|  |  |
| 64QAM | 256QAM |
|  |  |

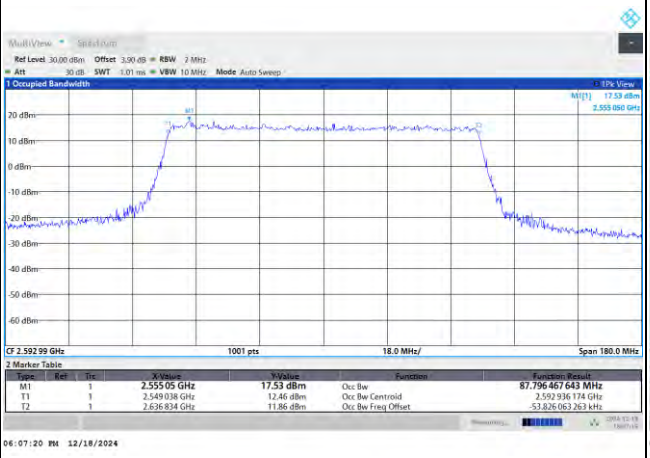
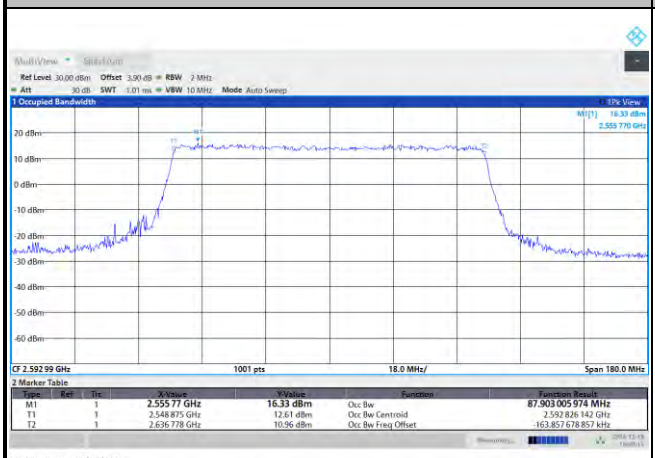
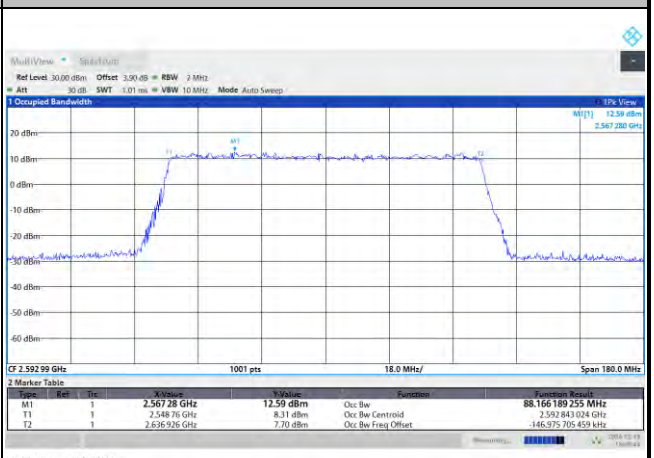
| FR1 n41 / 40MHz / CP OFDM / Middle Channel / Full RB | |
|---|---|
| QPSK | 16QAM |
|  |  |
| 64QAM | 256QAM |
|  |  |

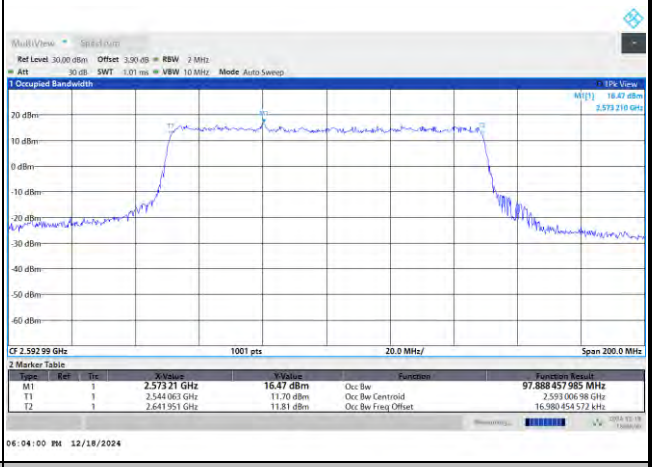
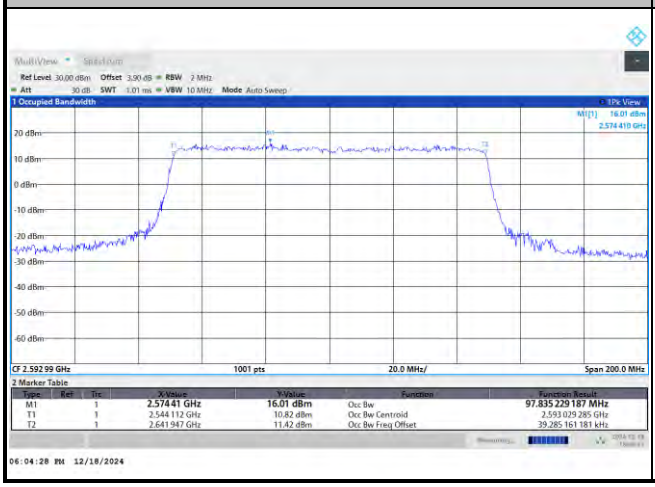
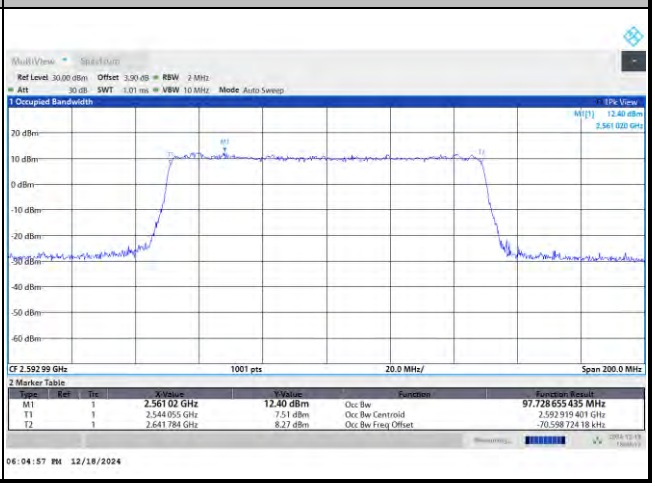
| FR1 n41 / 50MHz / CP OFDM / Middle Channel / Full RB | |
|---|---|
| QPSK | 16QAM |
|  |  |
| 64QAM | 256QAM |
|  |  |

| FR1 n41 / 60MHz / CP OFDM / Middle Channel / Full RB | |
|---|---|
| QPSK | 16QAM |
|  |  |
| 64QAM | 256QAM |
|  |  |

| FR1 n41 / 70MHz / CP OFDM / Middle Channel / Full RB | |
|---|---|
| QPSK | 16QAM |
|  |  |
| 64QAM | 256QAM |
|  |  |

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

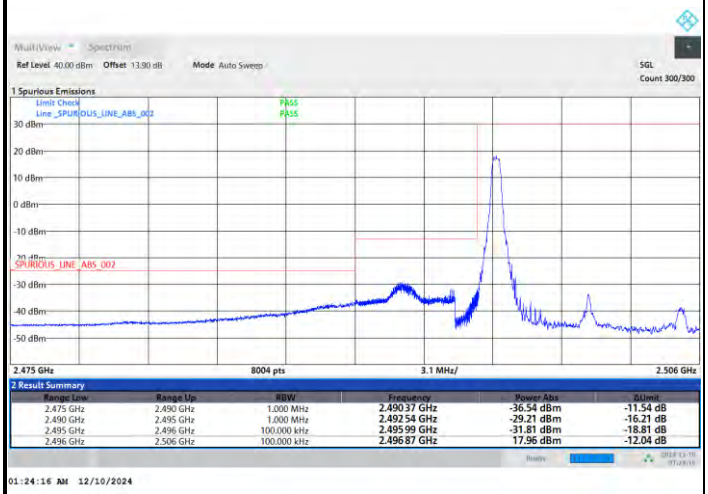
| FR1 n41 / 90MHz / CP OFDM / Middle Channel / Full RB | |
|---|---|
| QPSK | 16QAM |
|  | |
| 64QAM | 256QAM |
|  |  |

| FR1 n41 / 100MHz / CP OFDM / Middle Channel / Full RB | |
|---|---|
| QPSK | 16QAM |
| |  |
| 64QAM | 256QAM |
|  |  |

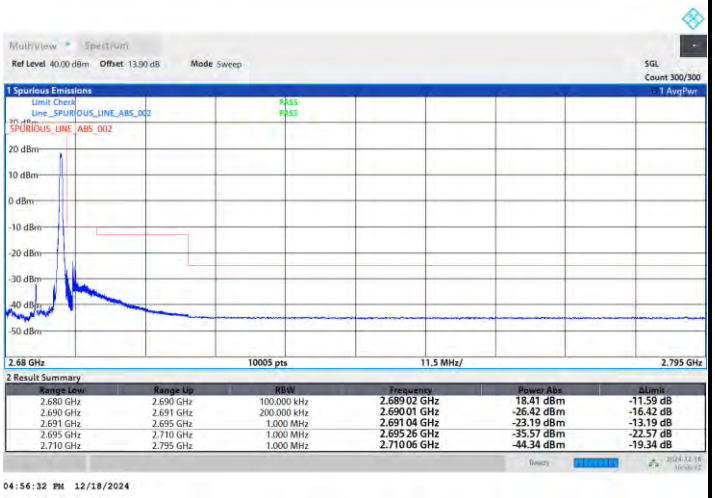
# Conducted Band Edge

## FR1 n41 / 10MHz / CP OFDM / QPSK

### Lowest Band Edge / 1RB0

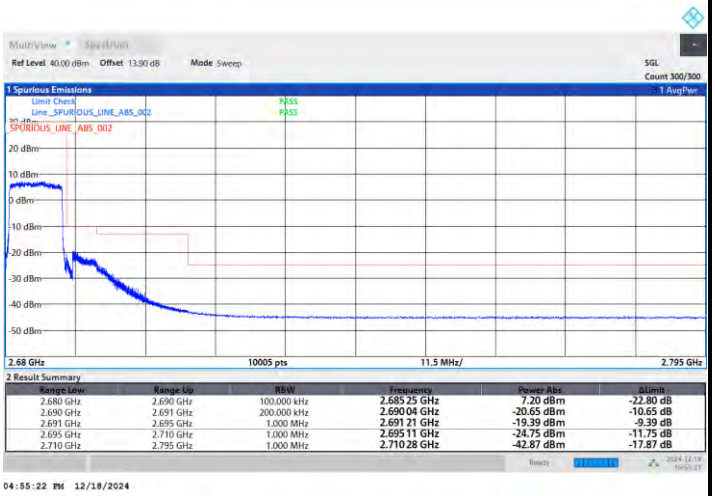



### Highest Band Edge / 1RBmax



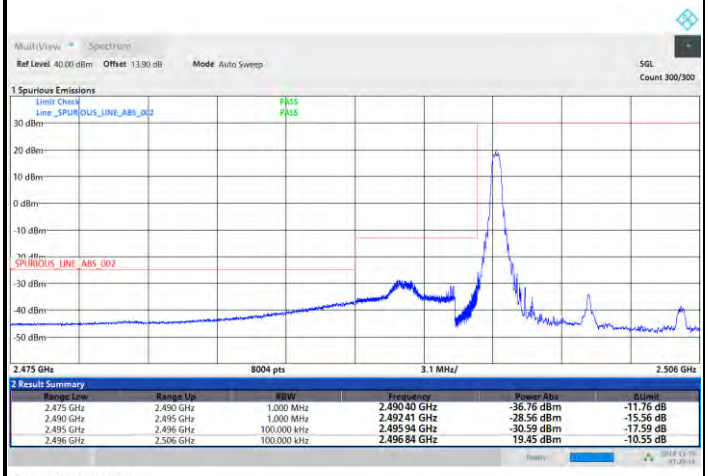

### Lowest Band Edge / Full RB

### Highest Band Edge / Full RB

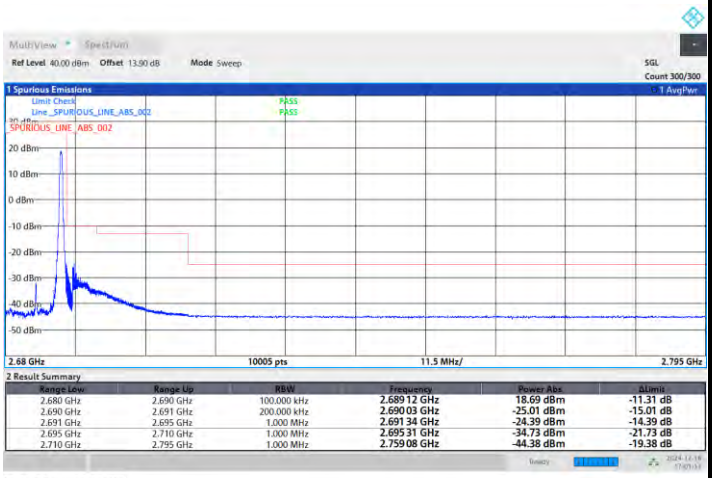


## FR1 n41 / 10MHz / CP OFDM / 16QAM

### Lowest Band Edge / 1RB0

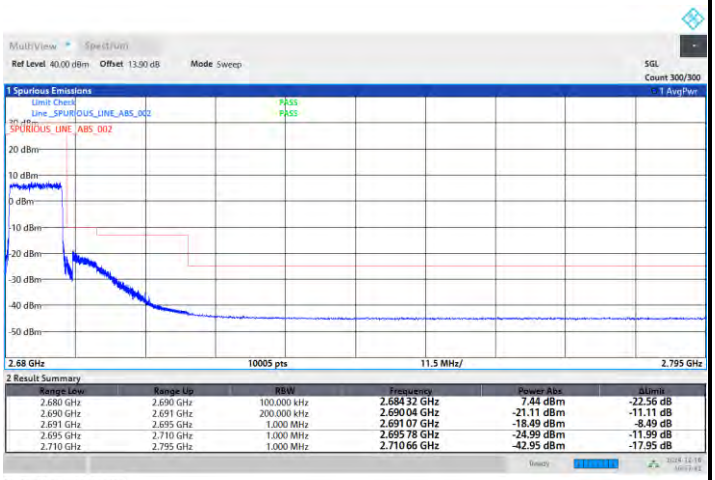



### Highest Band Edge / 1RBmax



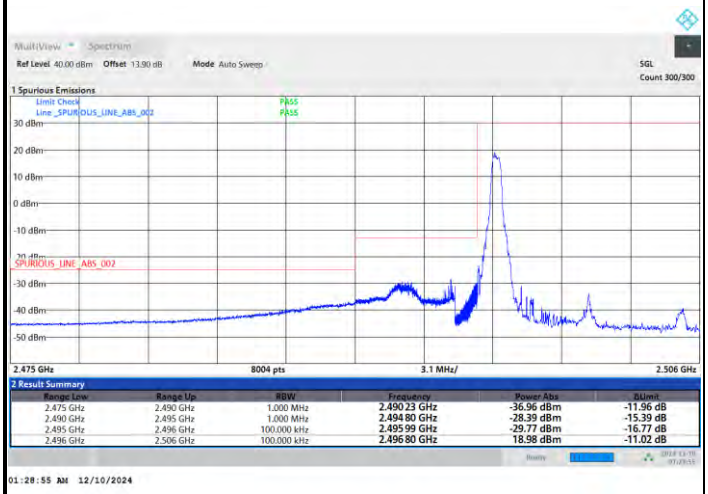

### Lowest Band Edge / Full RB

### Highest Band Edge / Full RB

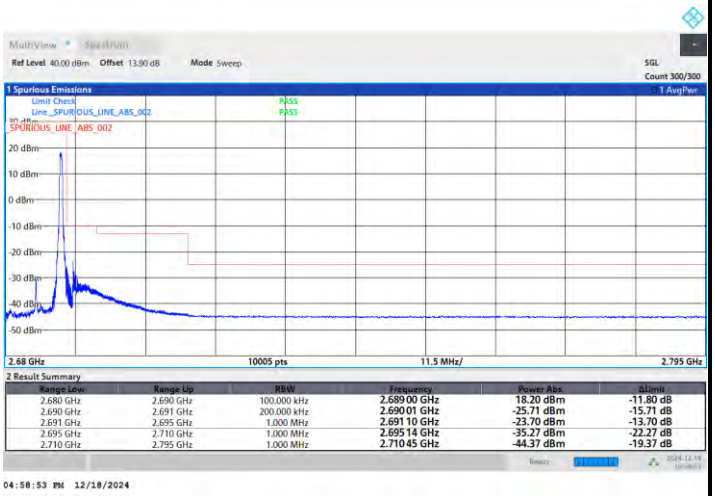


## FR1 n41 / 10MHz / CP OFDM / 64QAM

### Lowest Band Edge / 1RB0

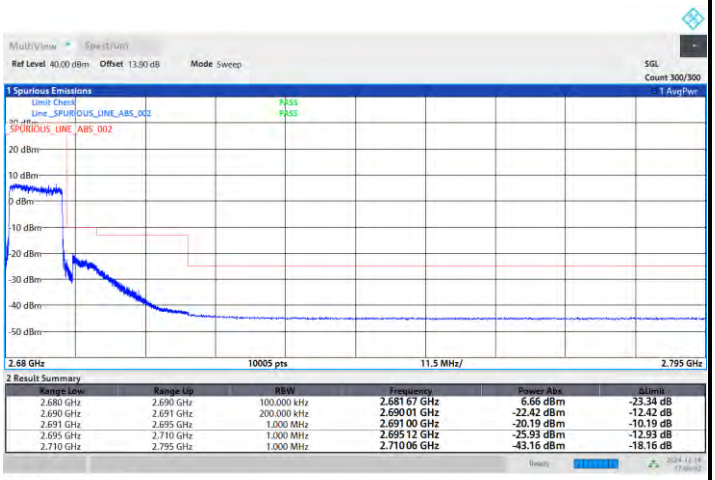



### Highest Band Edge / 1RBmax



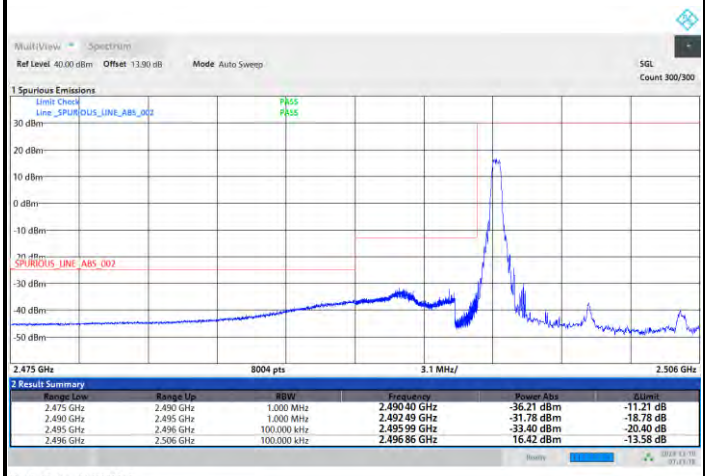

### Lowest Band Edge / Full RB

### Highest Band Edge / Full RB

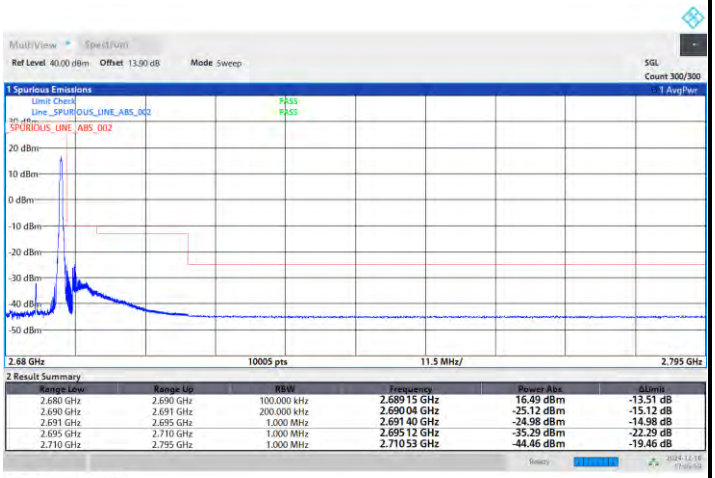


## FR1 n41 / 10MHz / CP OFDM / 256QAM

### Lowest Band Edge / 1RB0

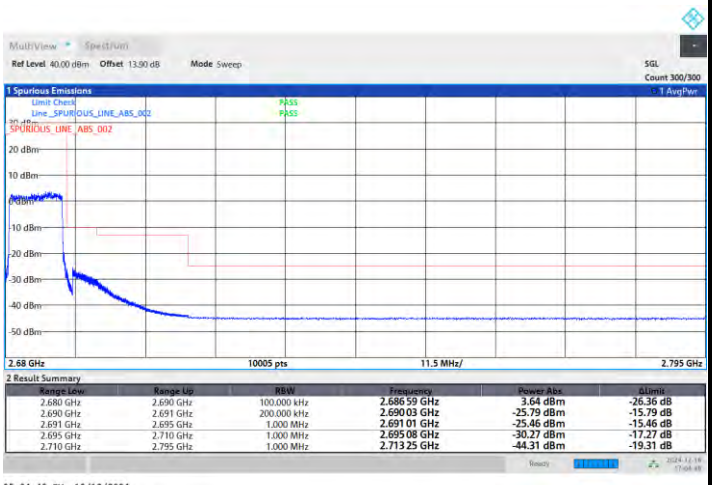



### Highest Band Edge / 1RBmax




### Lowest Band Edge / Full RB

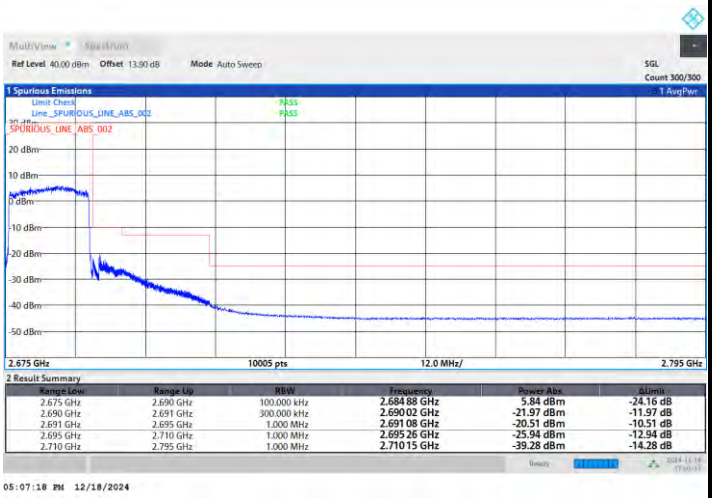
### Highest Band Edge / Full RB



## FR1 n41 / 15MHz / CP OFDM / QPSK

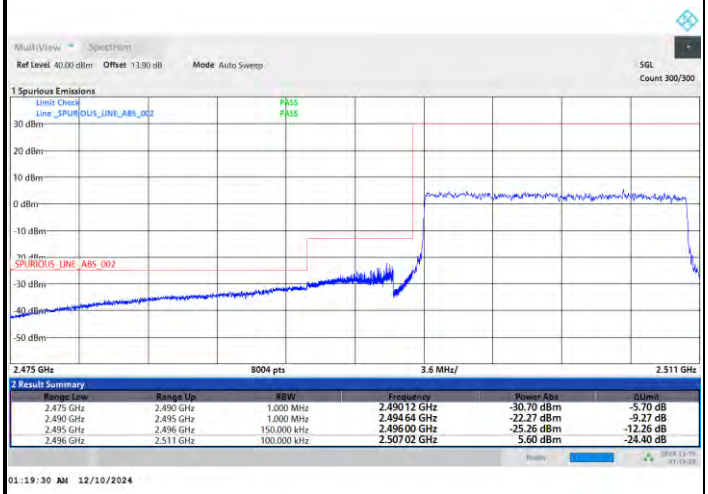
### Lowest Band Edge / Full RB

### Highest Band Edge / Full RB

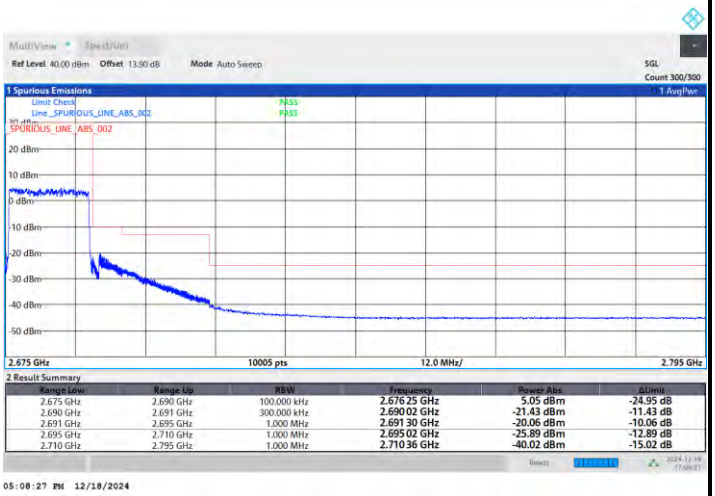


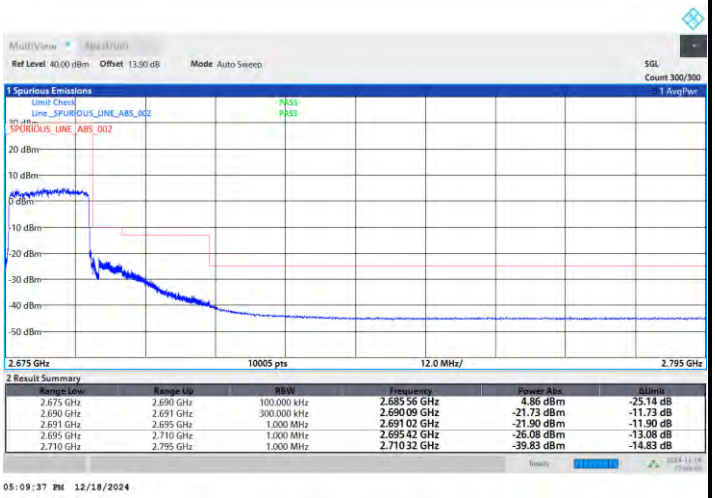

## FR1 n41 / 15MHz / CP OFDM / 16QAM

### Lowest Band Edge / Full RB



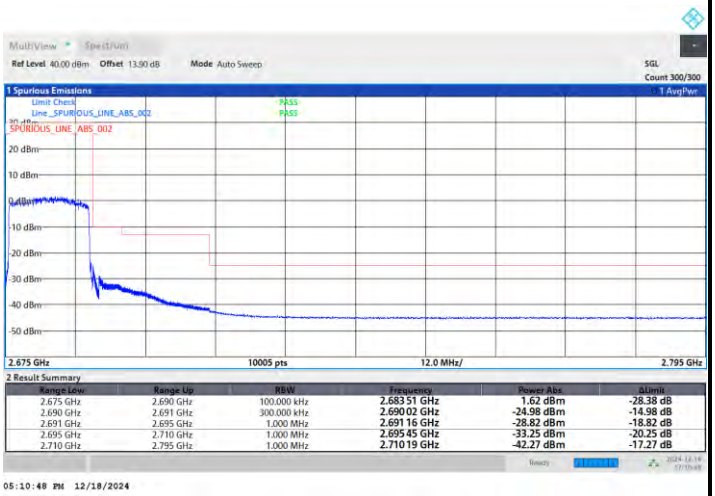

### Highest Band Edge / Full RB



| FR1 n41 / 15MHz / CP OFDM / 64QAM | |
|---|---|
| **Lowest Band Edge / Full RB** | **Highest Band Edge / Full RB** |
| |  |





| FR1 n41 / 15MHz / CP OFDM / 256QAM | |
|---|---|
| **Lowest Band Edge / Full RB** | **Highest Band Edge / Full RB** |
| |  |