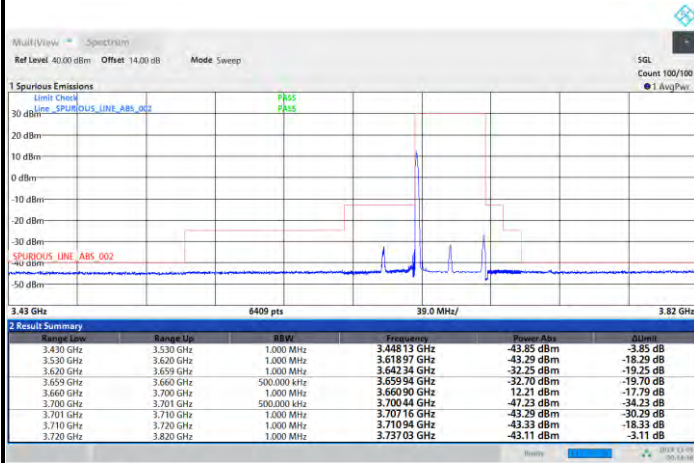




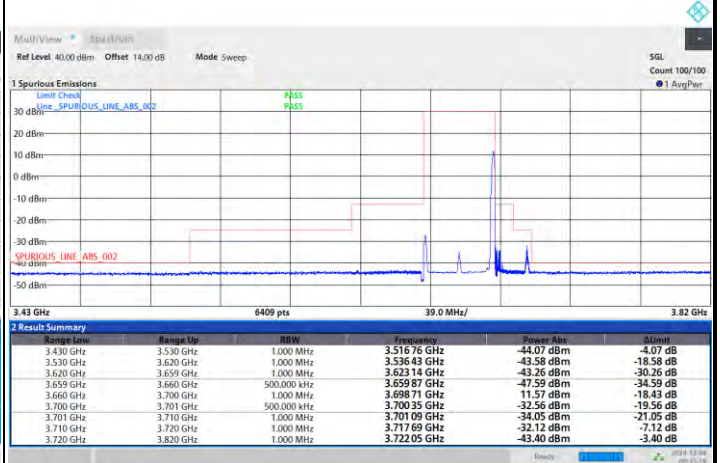
## FR1 n48 / 40MHz / CP OFDM / 16QAM

## Highest Channel

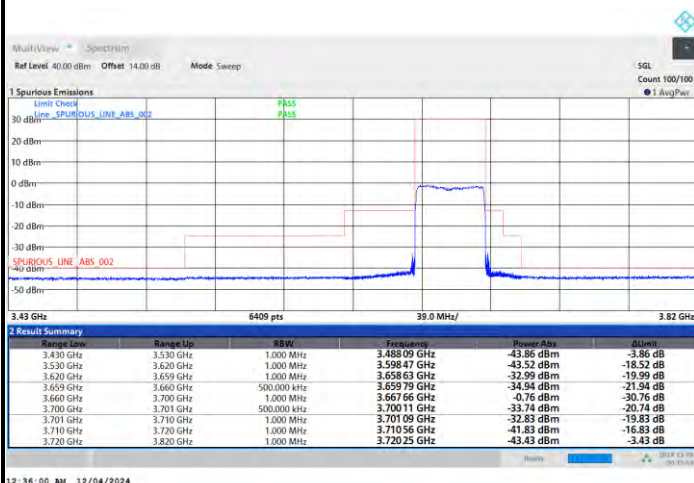
## 1RB0



## 1RBmax



## Full RB

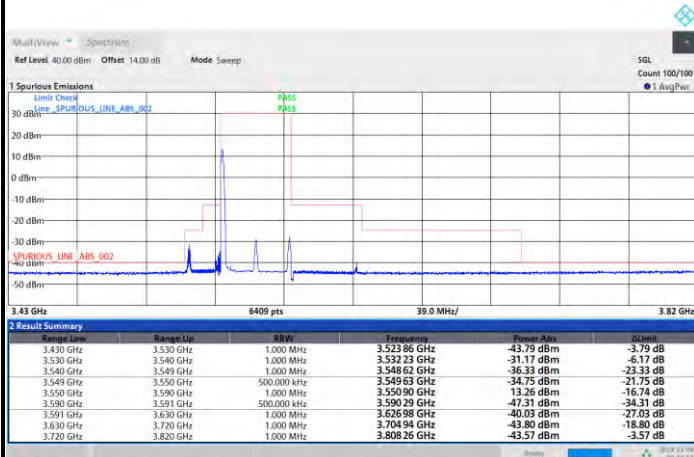




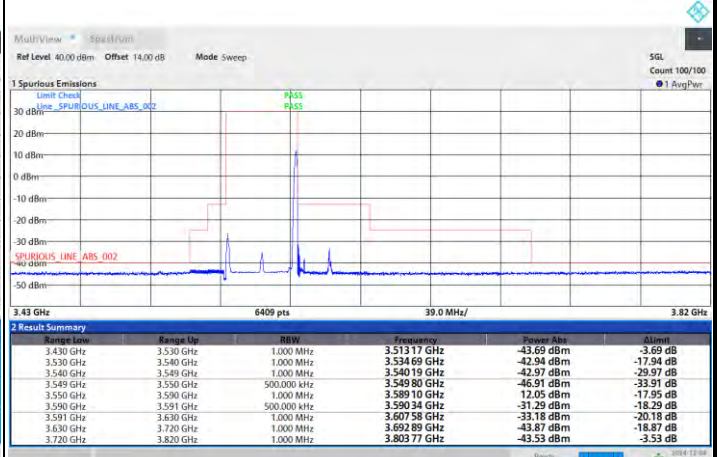
## FR1 n48 / 40MHz / CP OFDM / 64QAM

## Lowest Channel

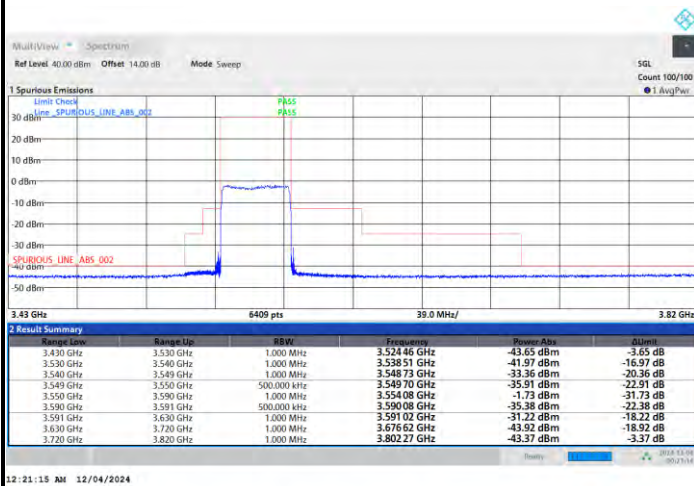
## 1RB0



## 1RBmax



## Full RB

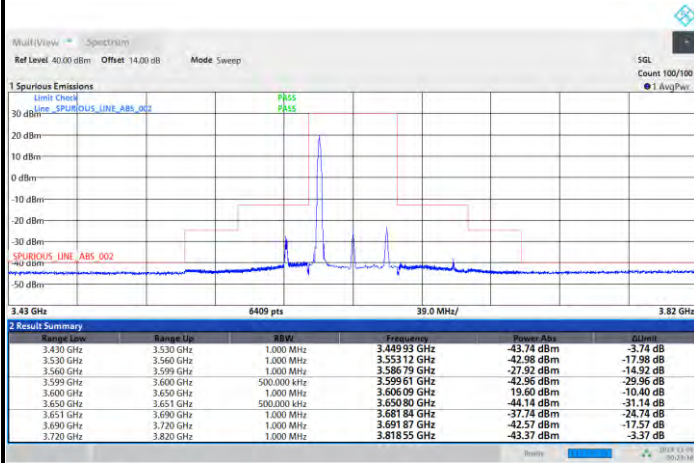




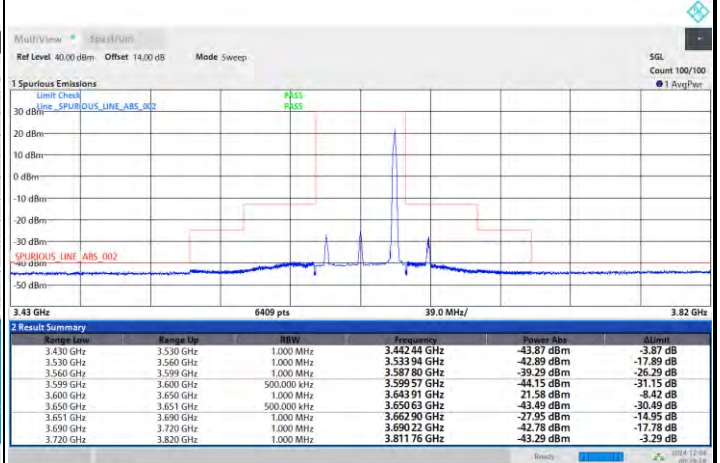
## FR1 n48 / 40MHz / CP OFDM / 64QAM

## Middle Channel

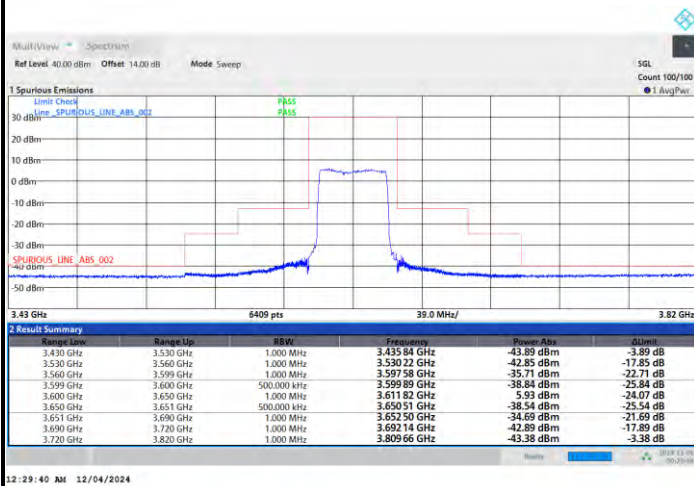
## 1RB0



## 1RBmax



## Full RB

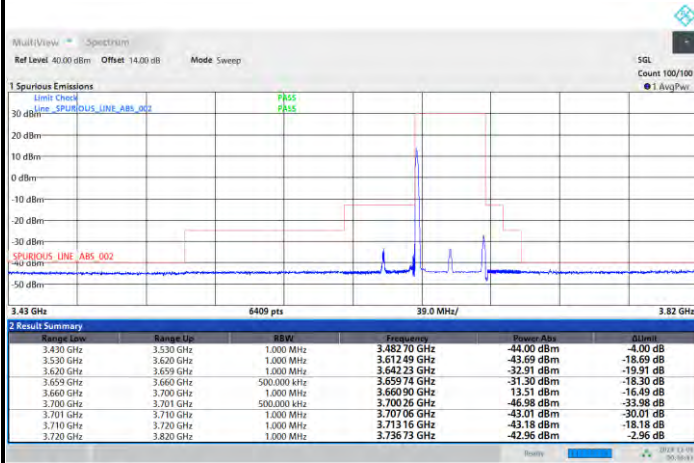




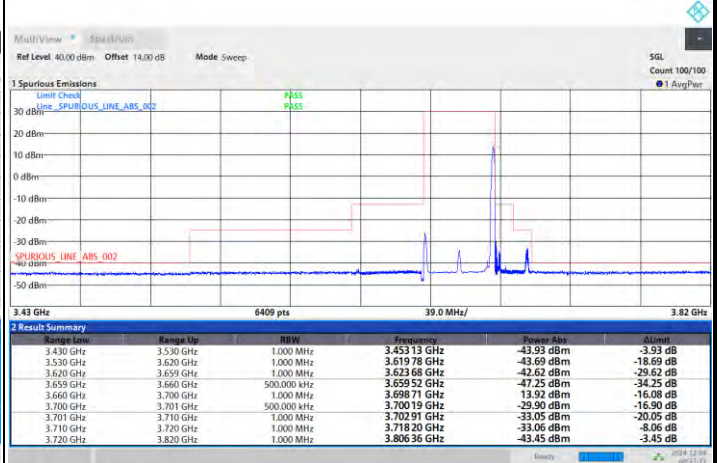
## FR1 n48 / 40MHz / CP OFDM / 64QAM

## Highest Channel

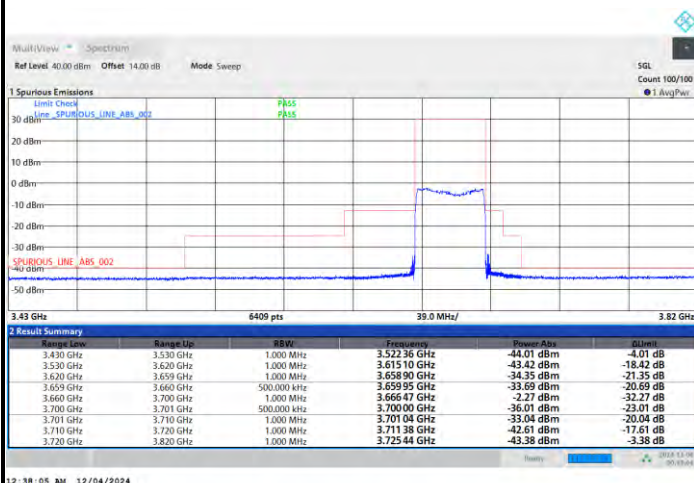
## 1RB0



## 1RBmax



## Full RB

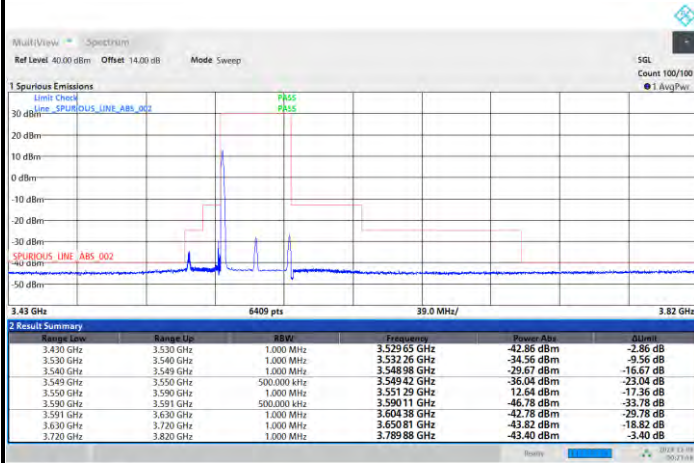




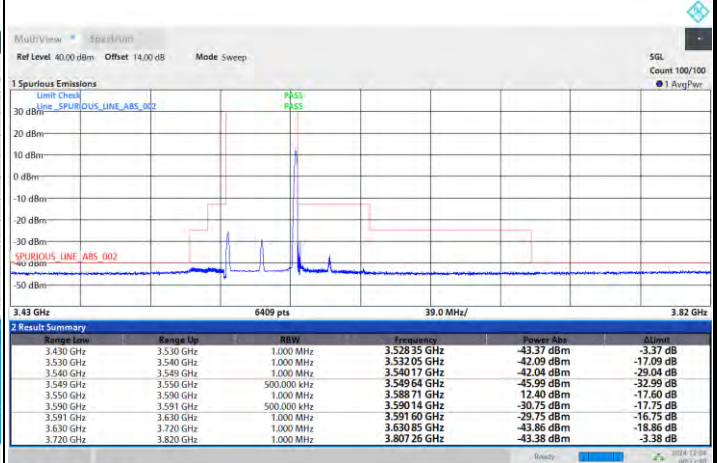
## FR1 n48 / 40MHz / CP OFDM / 256QAM

## Lowest Channel

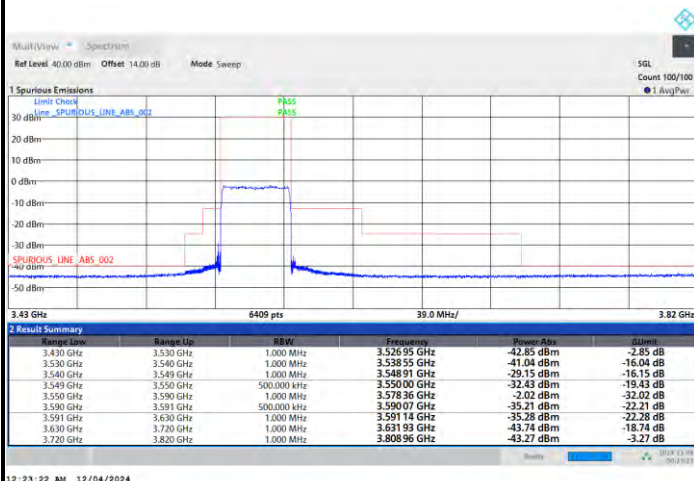
## 1RB0



## 1RBmax



## Full RB

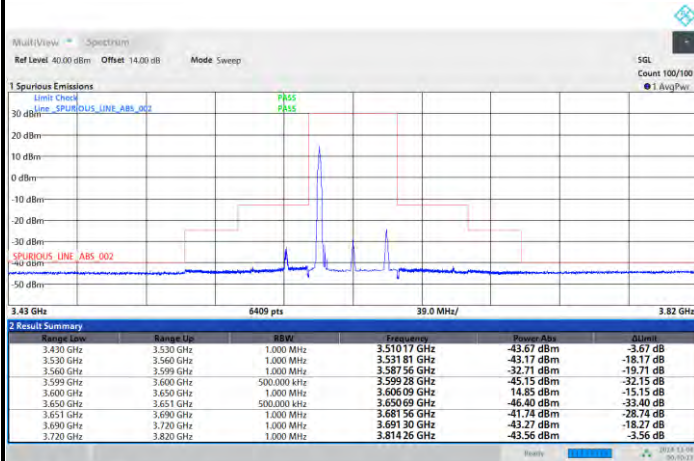




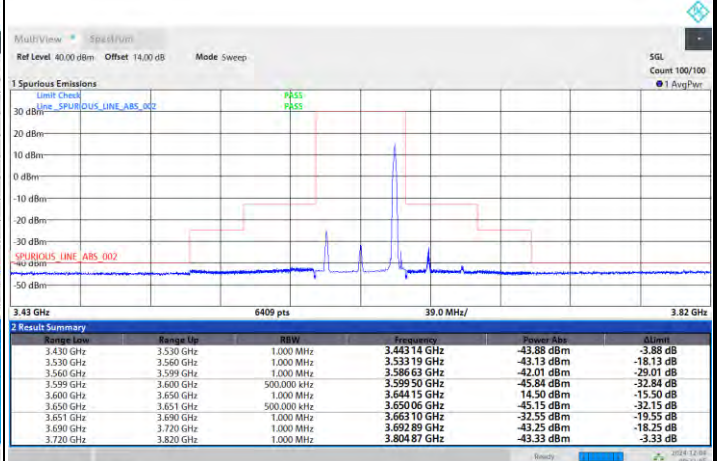
## FR1 n48 / 40MHz / CP OFDM / 256QAM

## Middle Channel

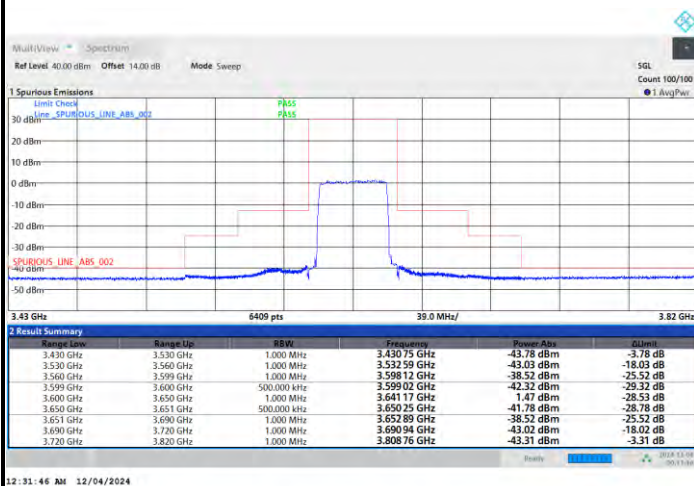
## 1RB0



## 1RBmax



## Full RB

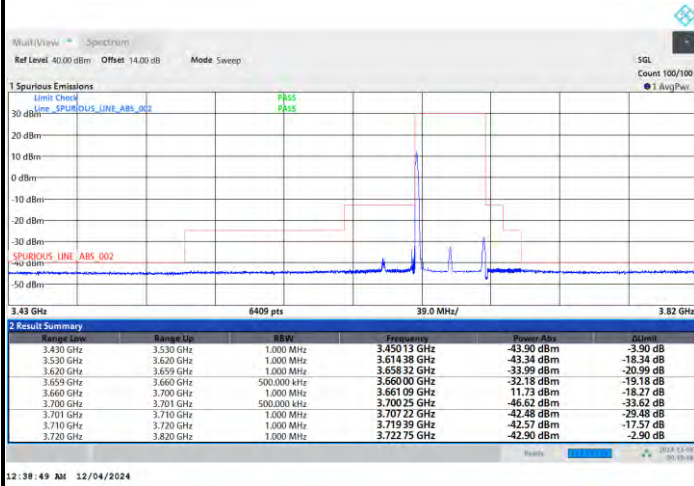




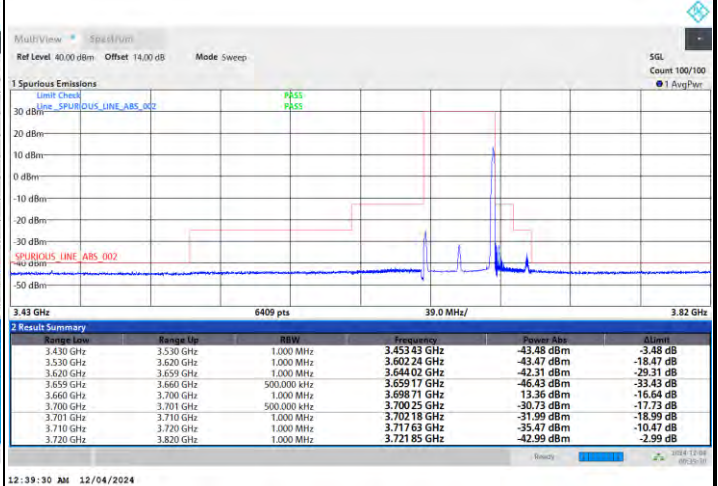
## FR1 n48 / 40MHz / CP OFDM / 256QAM

## Highest Channel

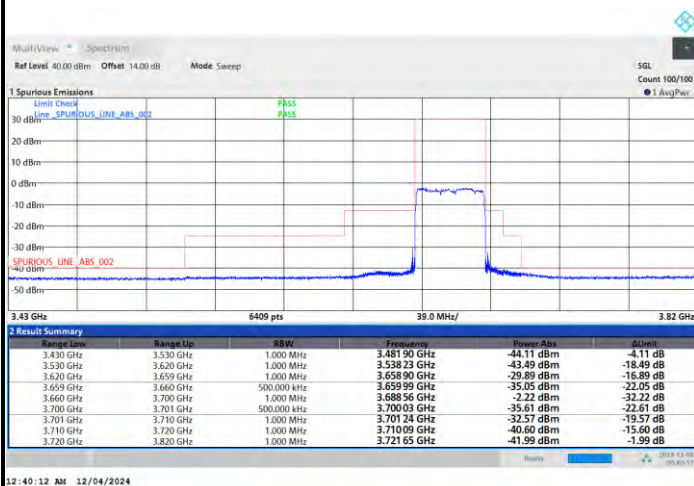
## 1RB0



## 1RBmax



## Full RB

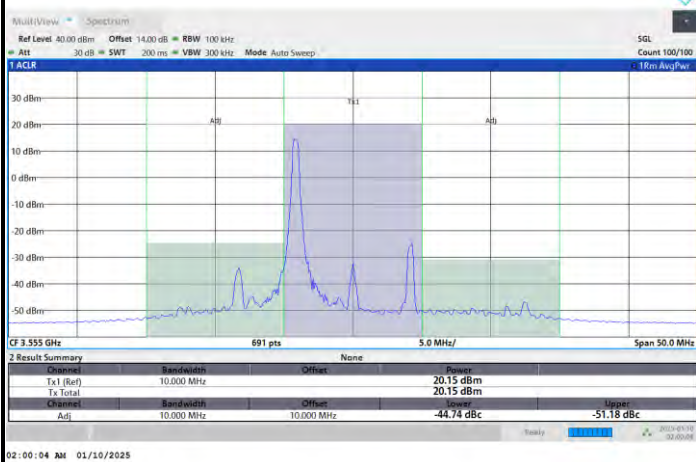


**Adjacent Channel Leakage Ratio (ACLR)**

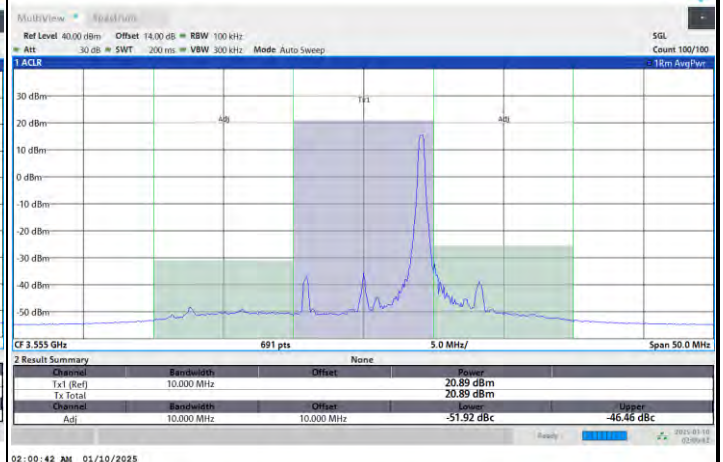
FR1 n48 / 10MHz / CP OFDM / QPSK

Lowest Channel

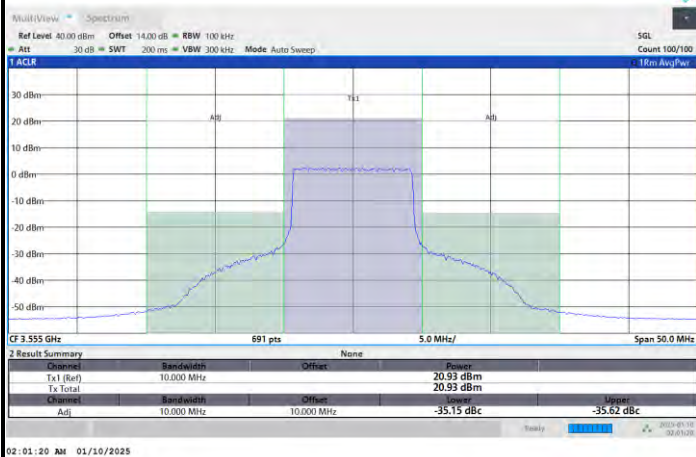
1RB0



1RBmax



Full RB

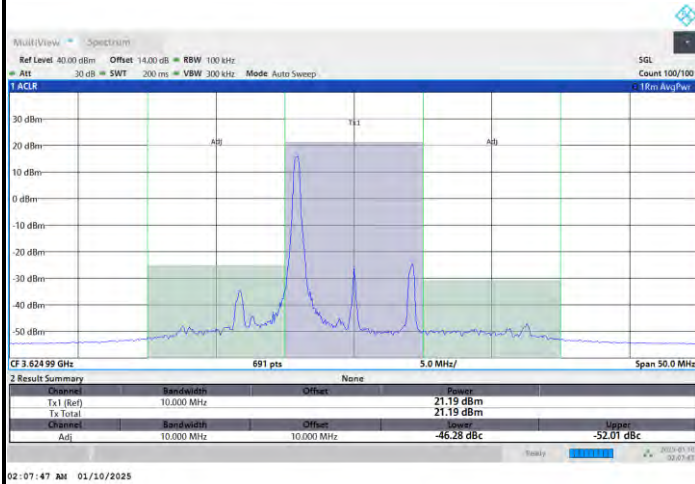




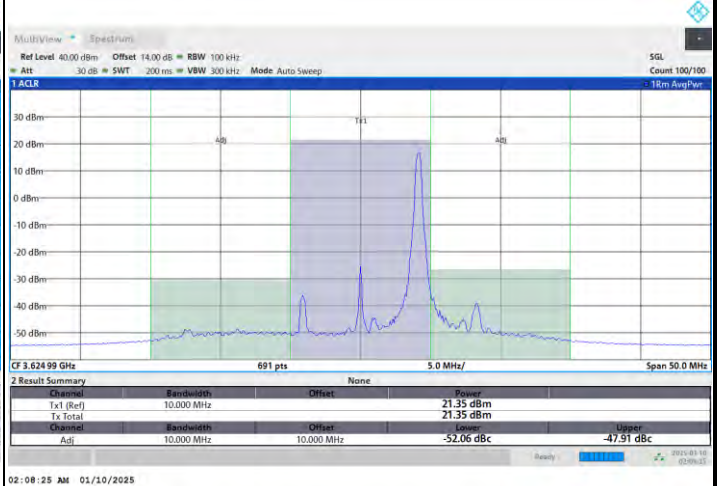
## FR1 n48 / 10MHz / CP OFDM / QPSK

## Middle Channel

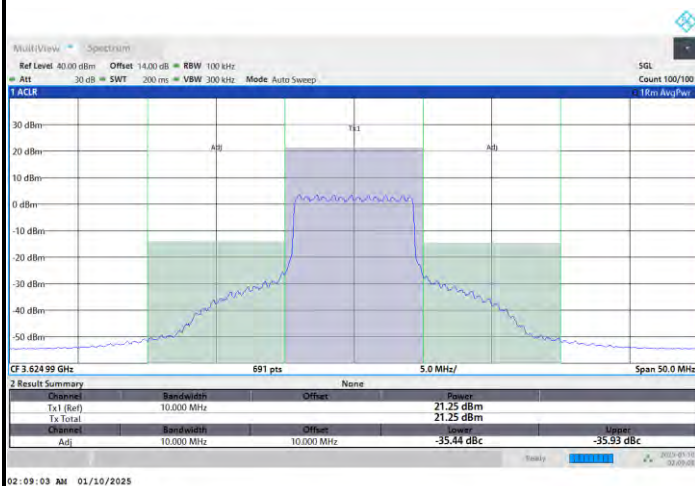
## 1RB0



## 1RBmax



## Full RB

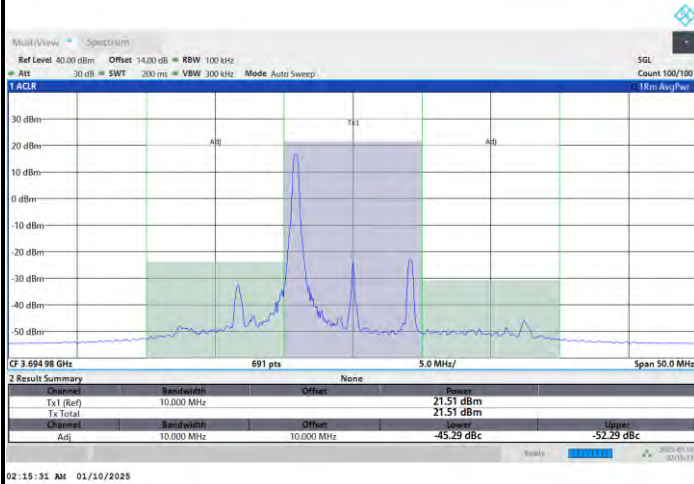




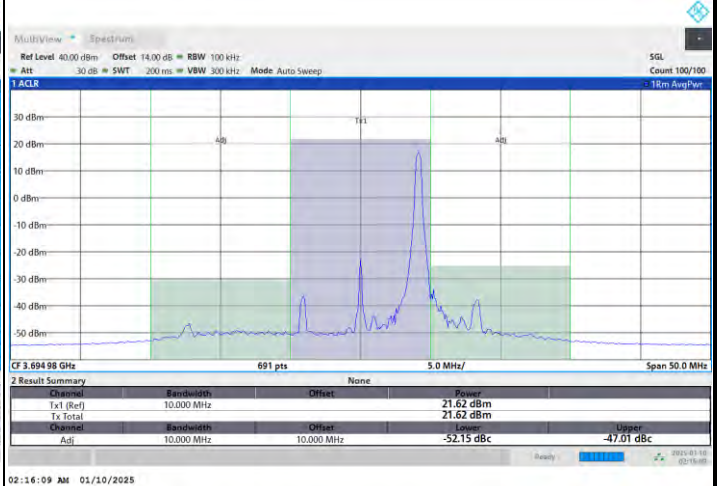
## FR1 n48 / 10MHz / CP OFDM / QPSK

## Highest Channel

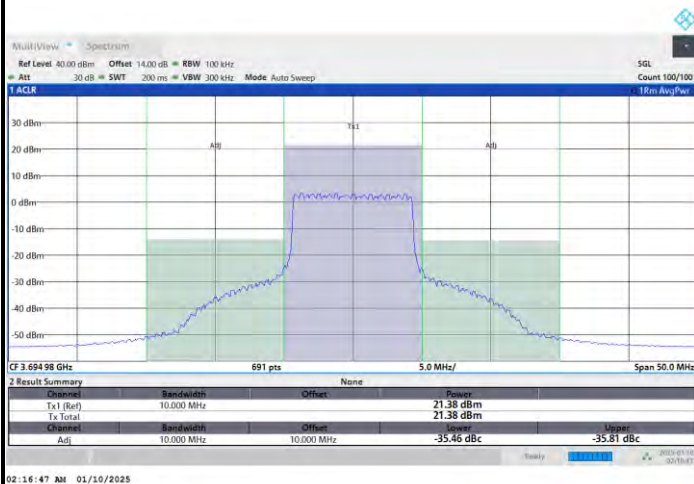
## 1RB0



## 1RBmax



## Full RB

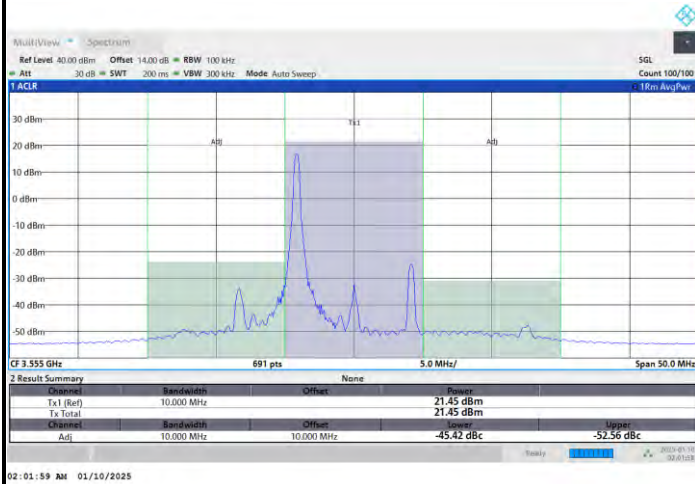




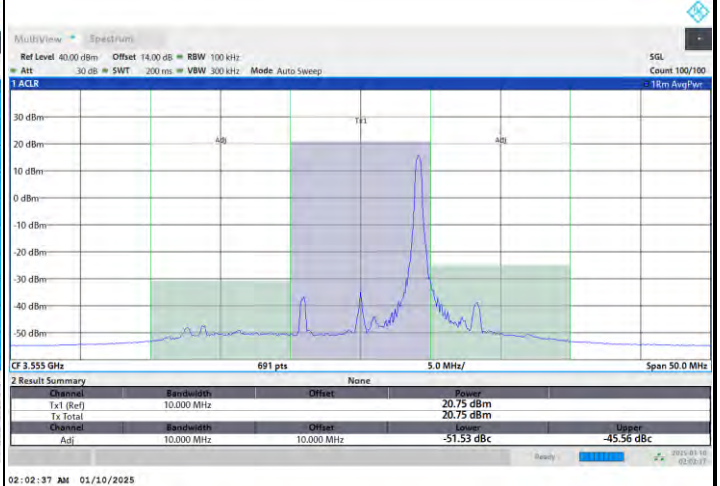
## FR1 n48 / 10MHz / CP OFDM / 16QAM

## Lowest Channel

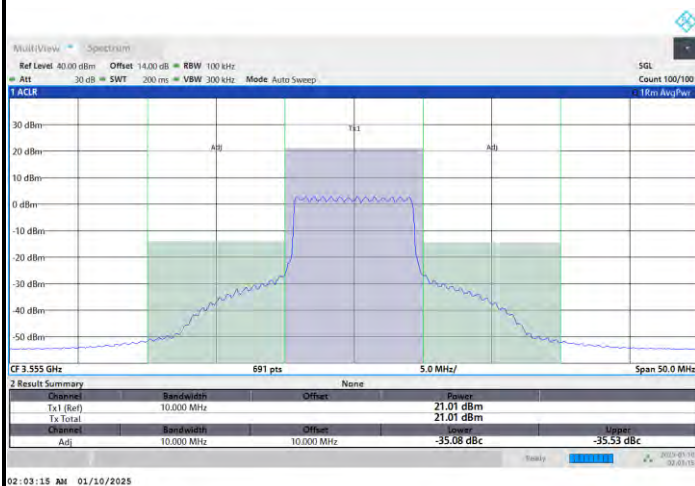
## 1RB0



## 1RBmax



## Full RB

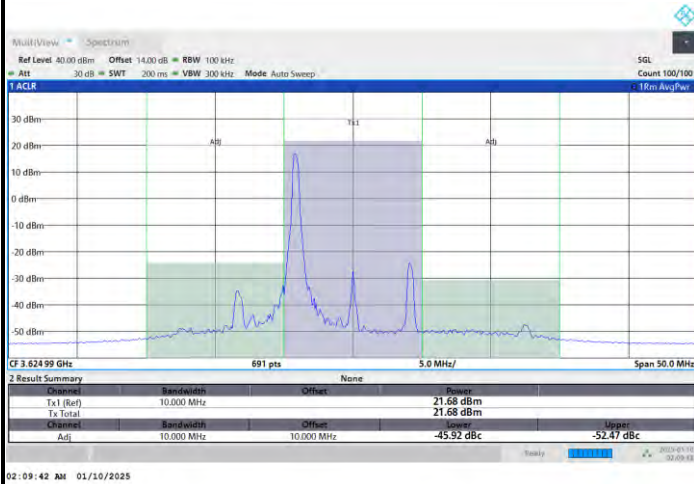




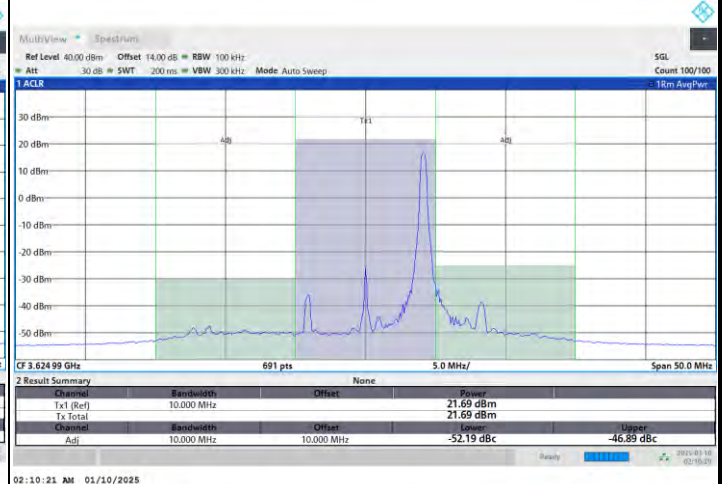
## FR1 n48 / 10MHz / CP OFDM / 16QAM

## Middle Channel

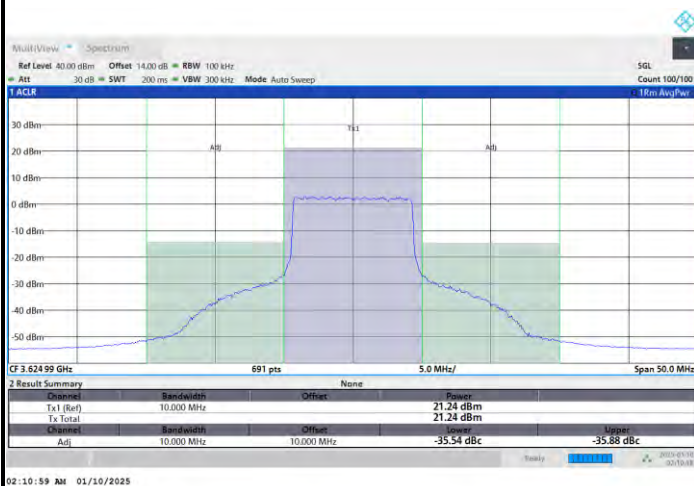
## 1RB0



## 1RBmax



## Full RB

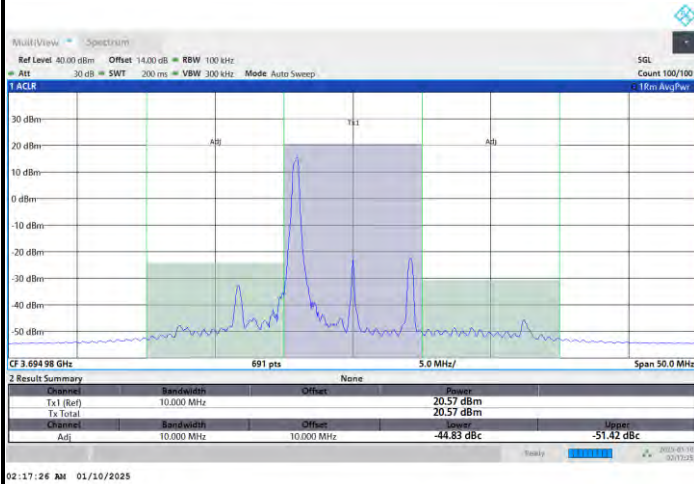




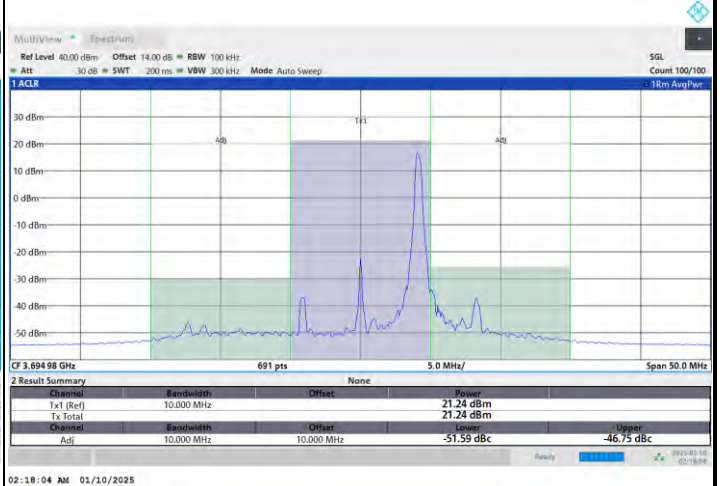
## FR1 n48 / 10MHz / CP OFDM / 16QAM

## Highest Channel

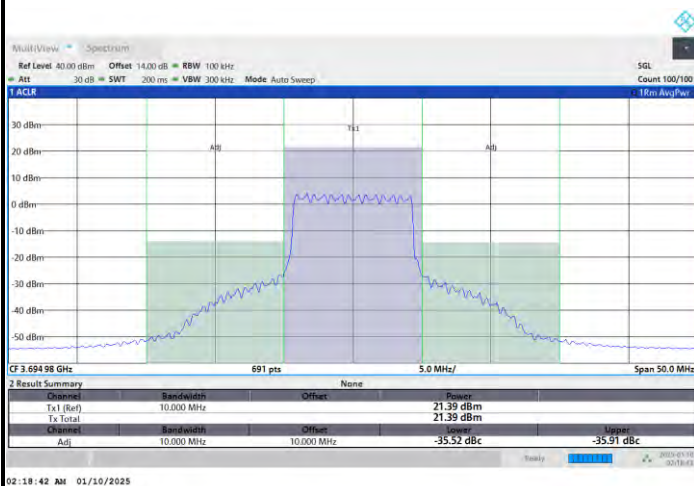
## 1RB0



## 1RBmax



## Full RB

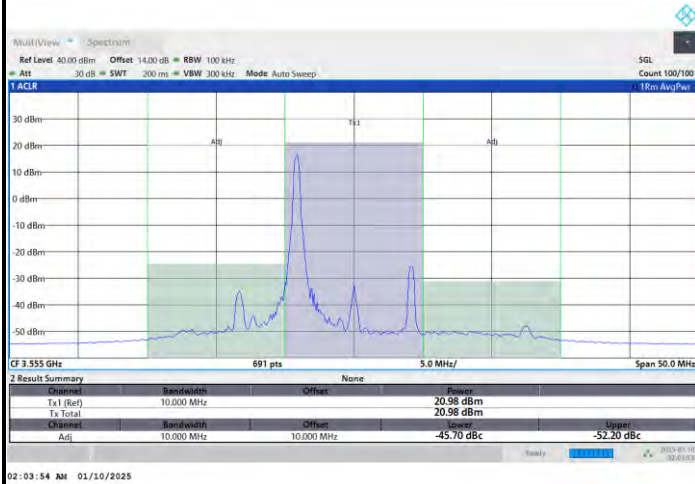




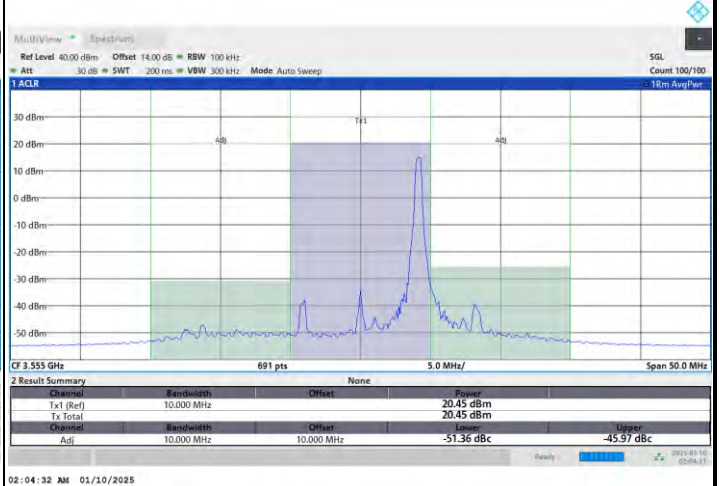
## FR1 n48 / 10MHz / CP OFDM / 64QAM

## Lowest Channel

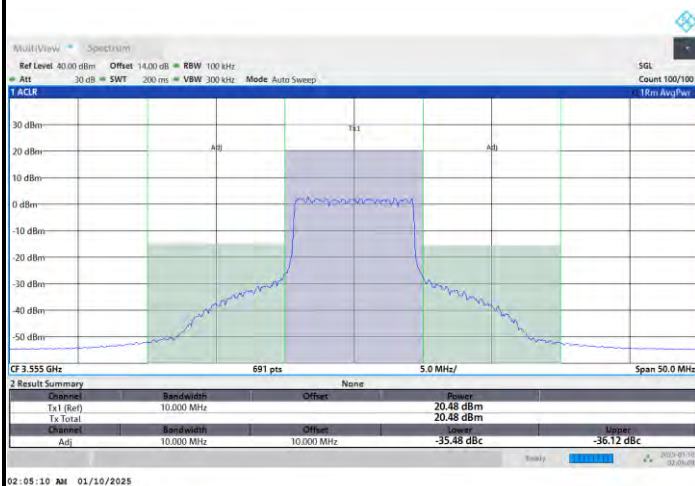
## 1RB0



## 1RBmax



## Full RB

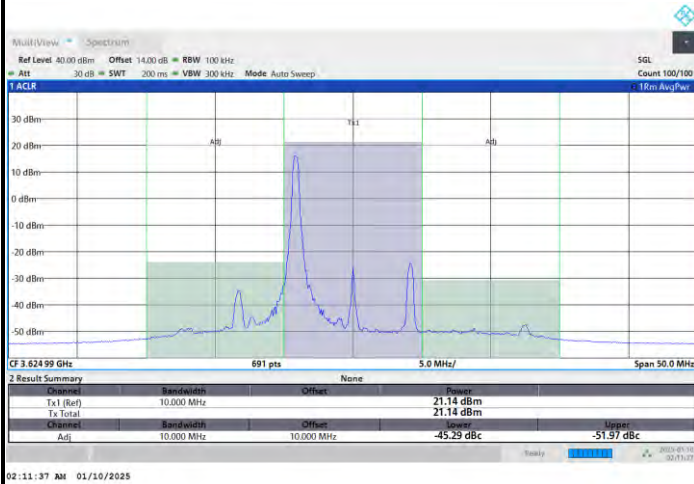




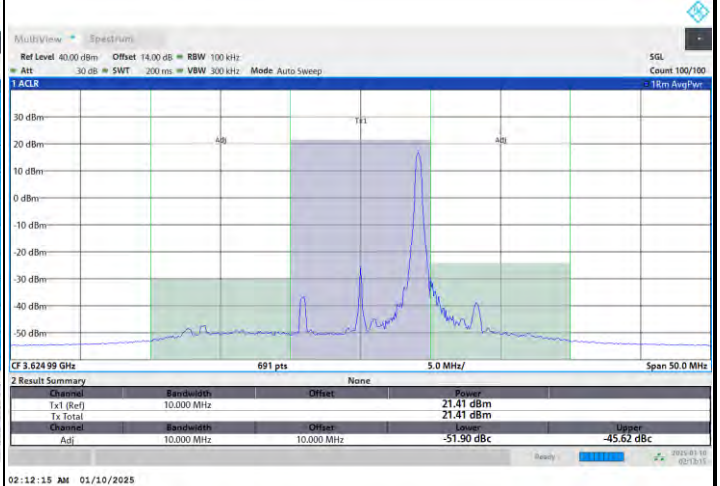
## FR1 n48 / 10MHz / CP OFDM / 64QAM

## Middle Channel

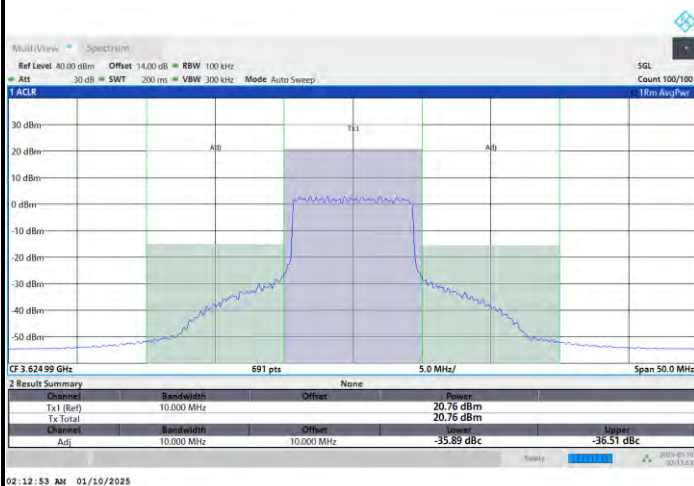
## 1RB0



## 1RBmax



## Full RB

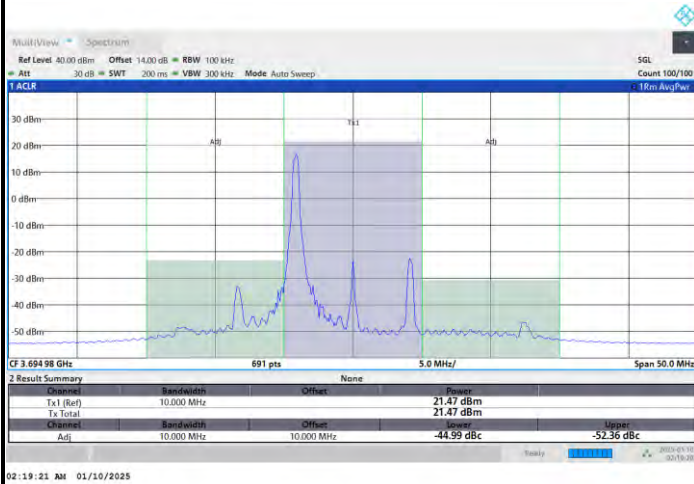




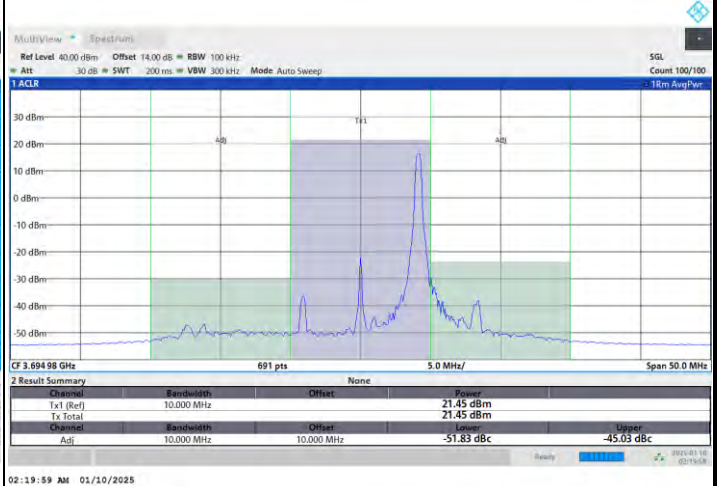
## FR1 n48 / 10MHz / CP OFDM / 64QAM

## Highest Channel

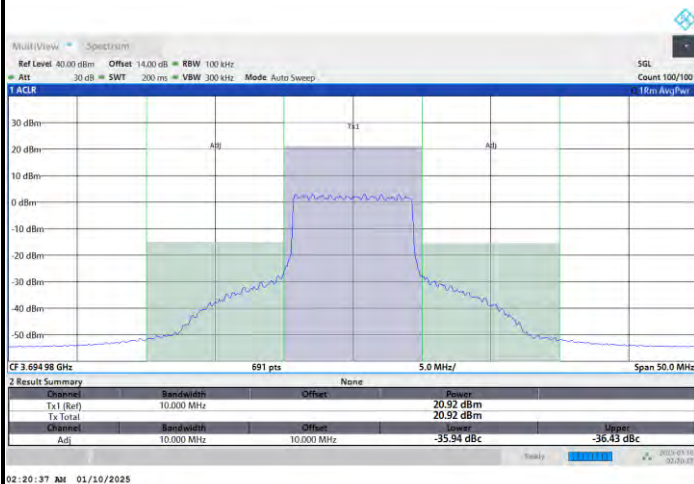
## 1RB0



## 1RBmax



## Full RB

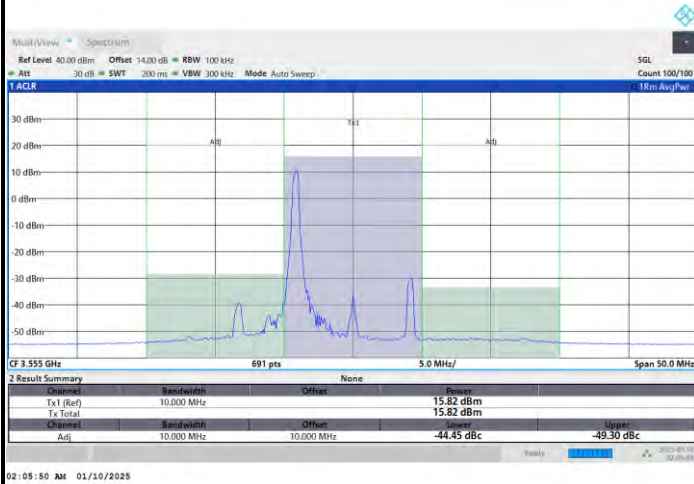




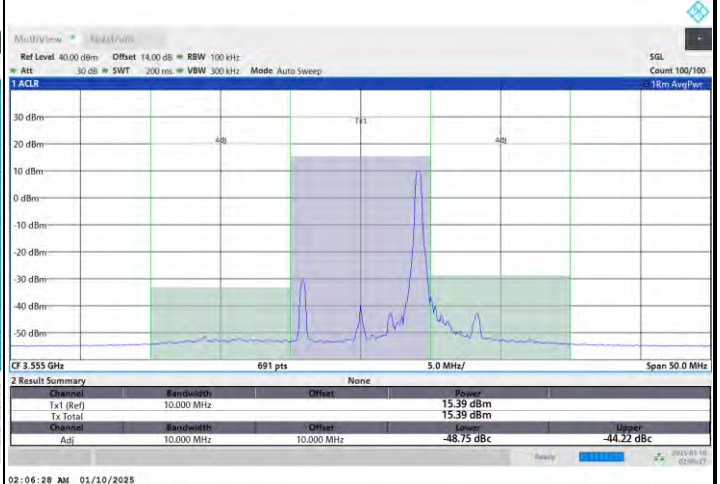
FR1 n48 / 10MHz / CP OFDM / 256QAM

Lowest Channel

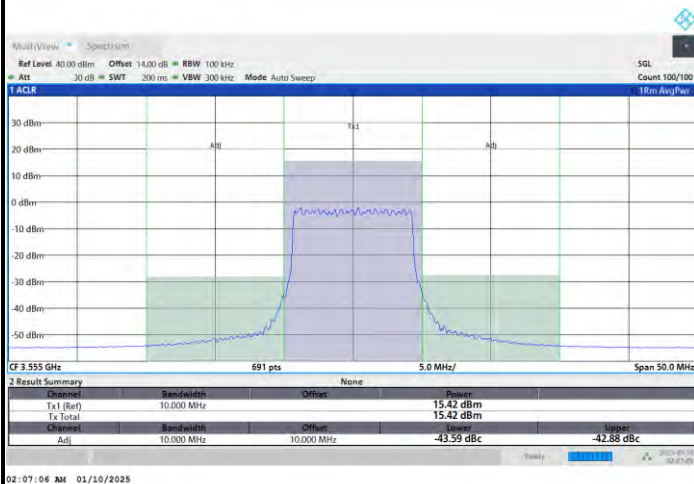
1RB0



1RBmax



Full RB

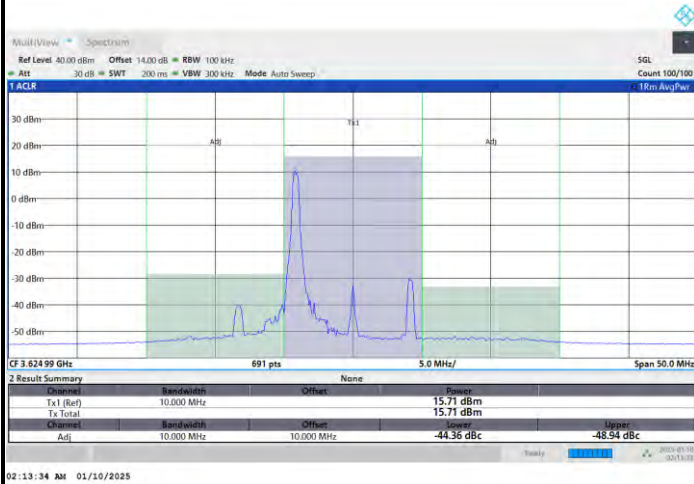




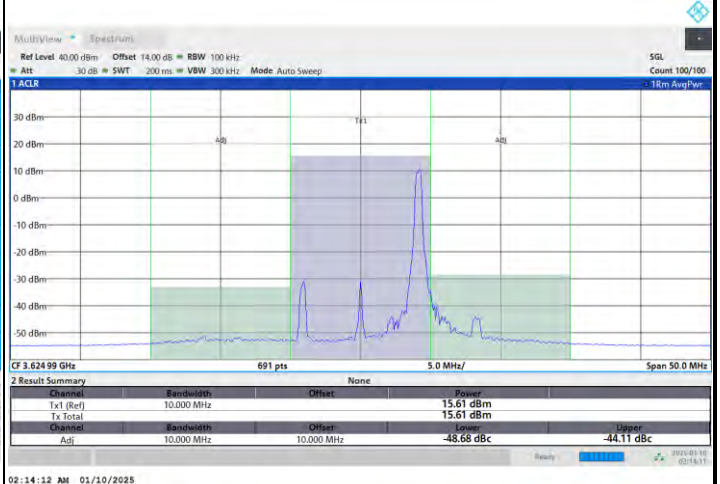
FR1 n48 / 10MHz / CP OFDM / 256QAM

Middle Channel

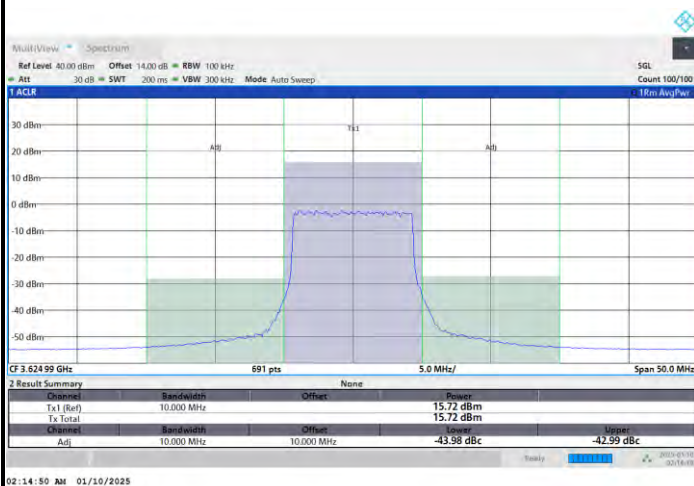
1RB0



1RBmax



Full RB

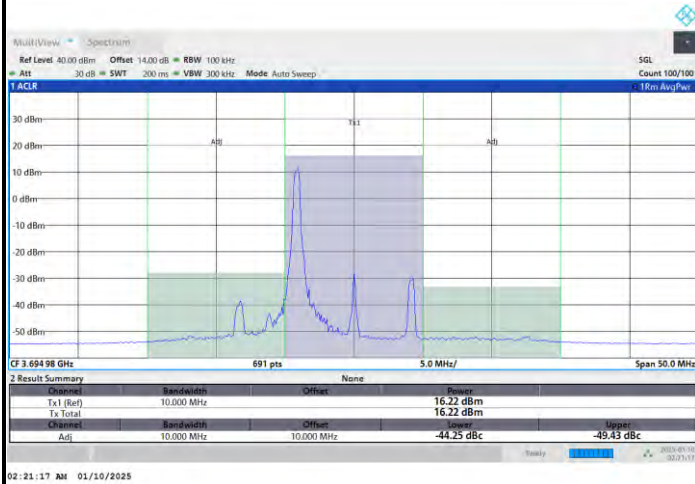




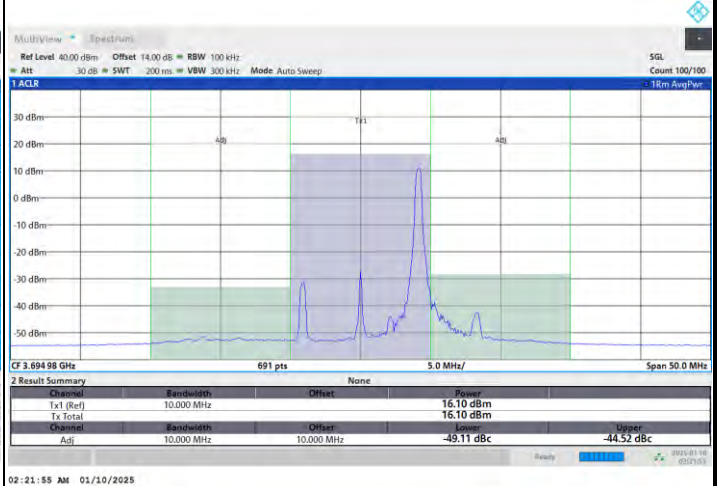
## FR1 n48 / 10MHz / CP OFDM / 256QAM

## Highest Channel

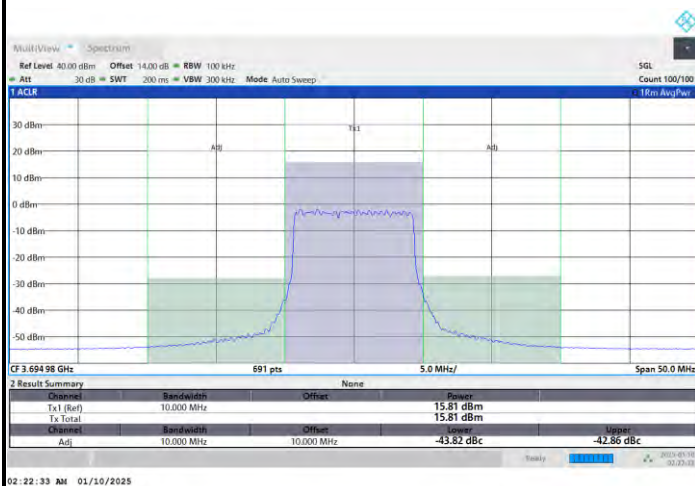
## 1RB0



## 1RBmax



## Full RB

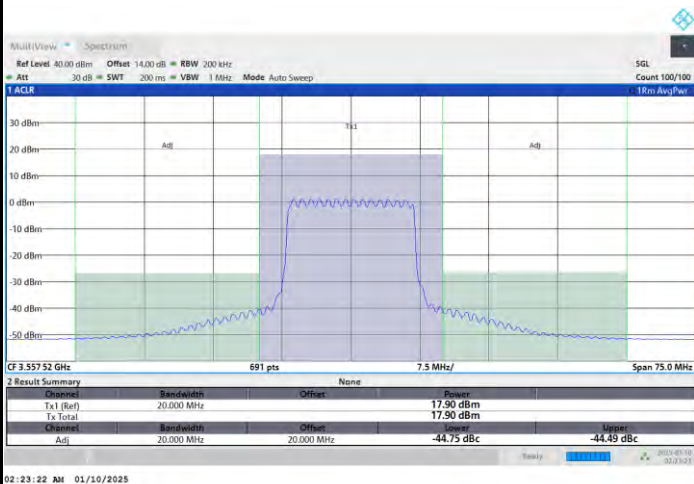




FR1 n48 / 15MHz / CP OFDM / QPSK

Lowest Channel

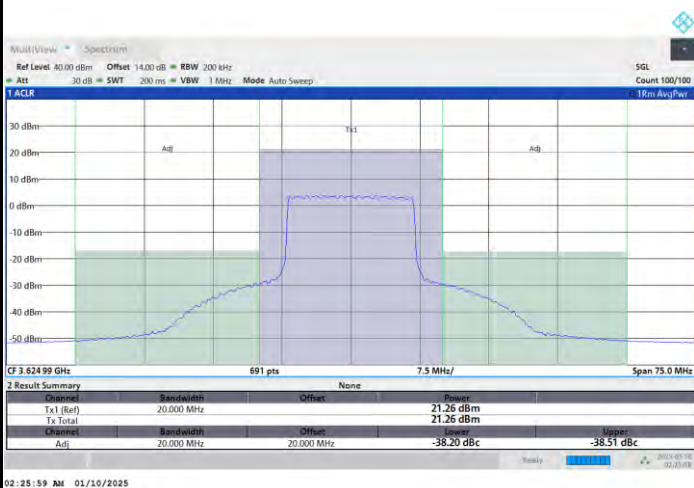
Full RB



FR1 n48 / 15MHz / CP OFDM / QPSK

Middle Channel

Full RB

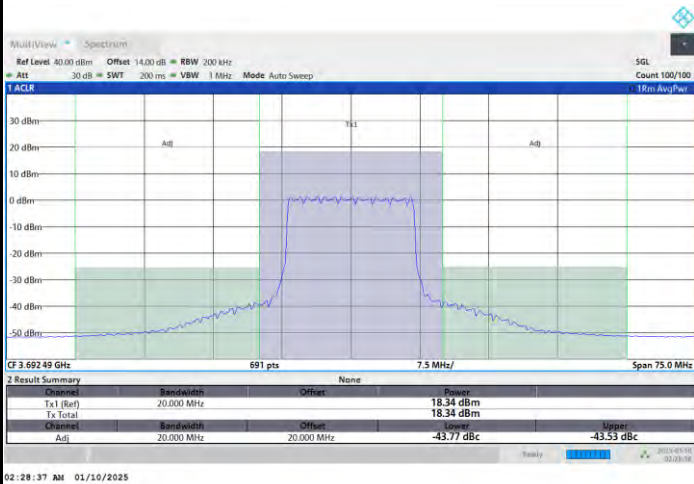




## FR1 n48 / 15MHz / CP OFDM / QPSK

## Highest Channel

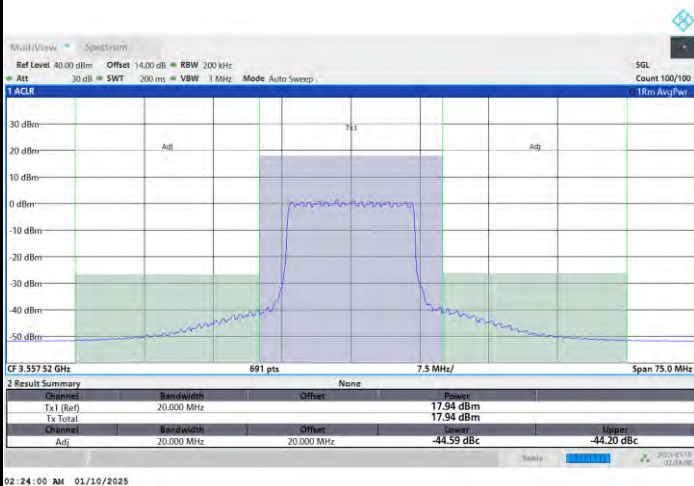
## Full RB



## FR1 n48 / 15MHz / CP OFDM / 16QAM

## Lowest Channel

## Full RB

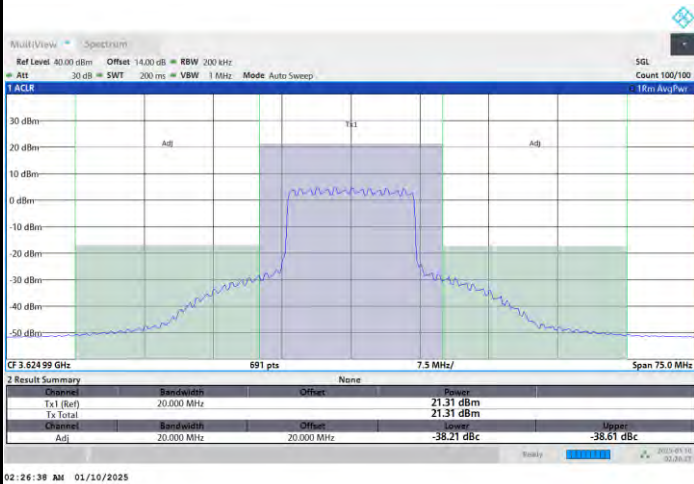




FR1 n48 / 15MHz / CP OFDM / 16QAM

Middle Channel

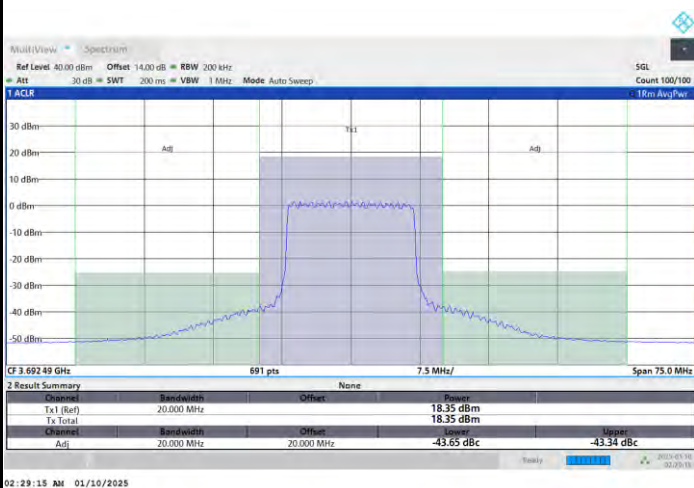
Full RB



FR1 n48 / 15MHz / CP OFDM / 16QAM

Highest Channel

Full RB

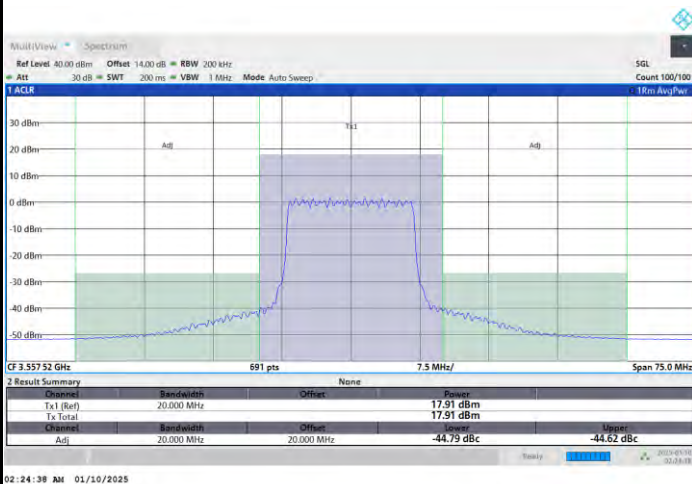




FR1 n48 / 15MHz / CP OFDM / 64QAM

Lowest Channel

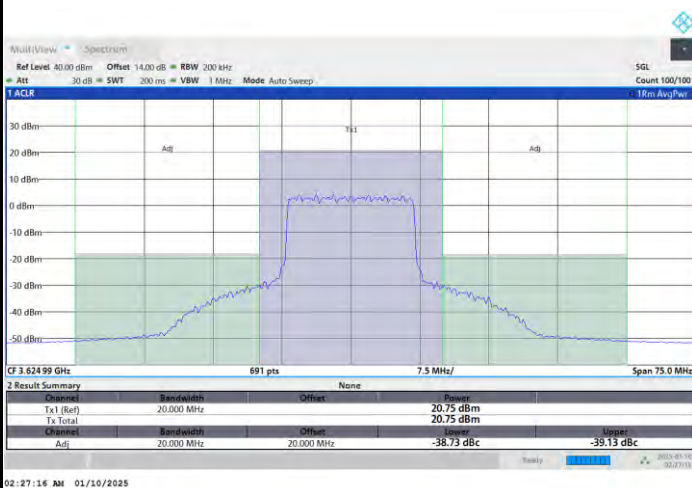
Full RB



FR1 n48 / 15MHz / CP OFDM / 64QAM

Middle Channel

Full RB

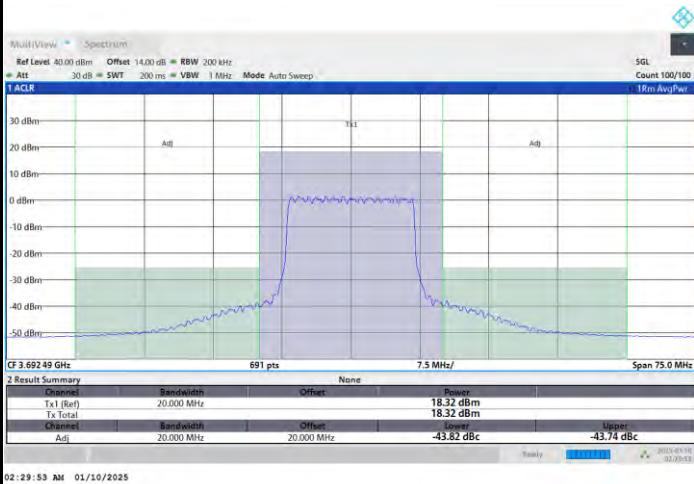




## FR1 n48 / 15MHz / CP OFDM / 64QAM

## Highest Channel

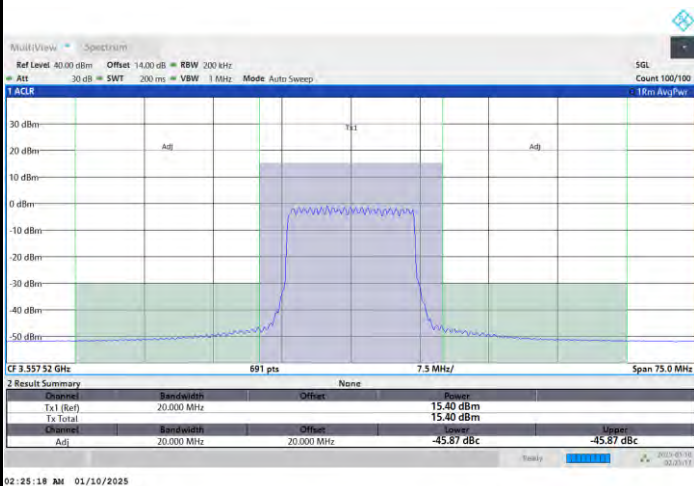
## Full RB



## FR1 n48 / 15MHz / CP OFDM / 256QAM

## Lowest Channel

## Full RB

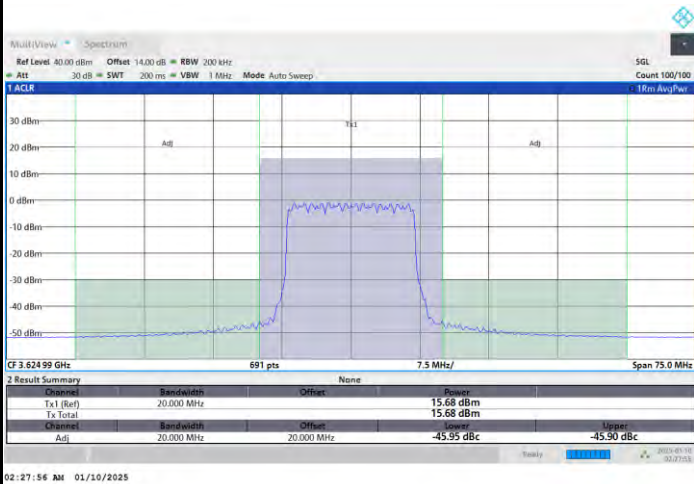




FR1 n48 / 15MHz / CP OFDM / 256QAM

Middle Channel

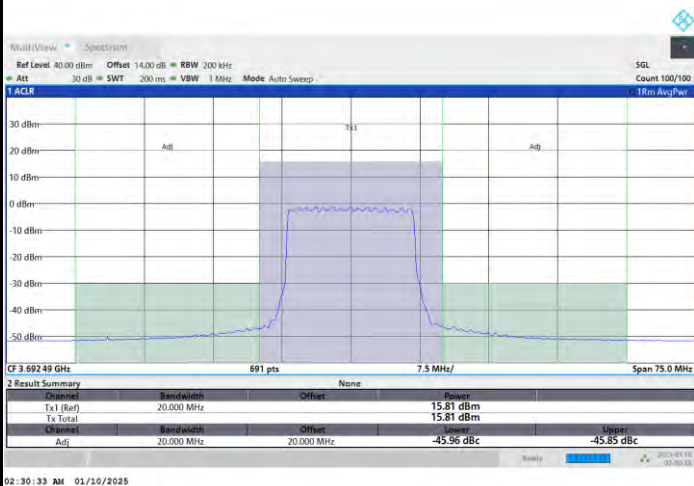
Full RB



FR1 n48 / 15MHz / CP OFDM / 256QAM

Highest Channel

Full RB

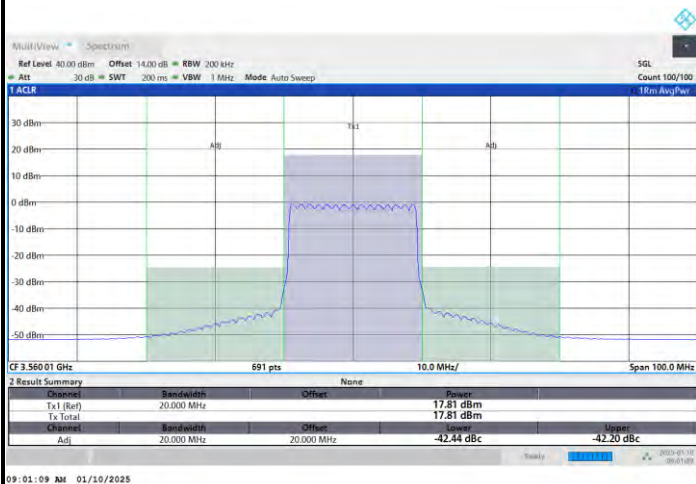




FR1 n48 / 20MHz / CP OFDM / QPSK

Lowest Channel

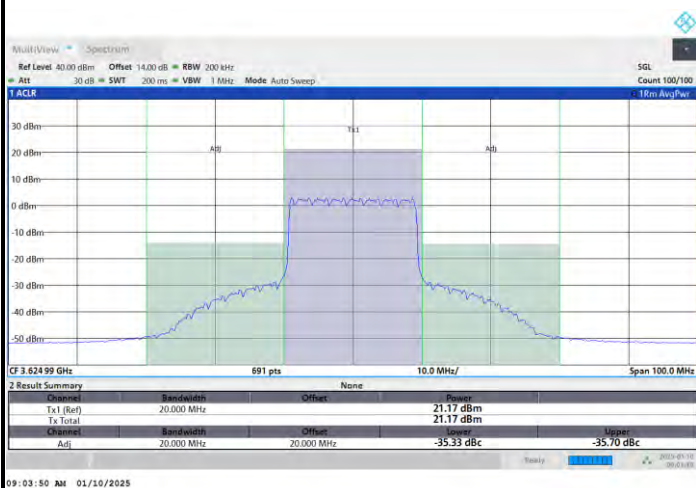
Full RB



FR1 n48 / 20MHz / CP OFDM / QPSK

Middle Channel

Full RB

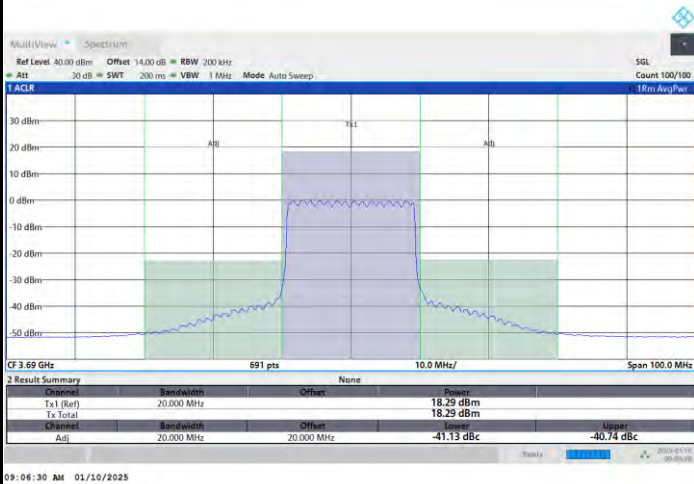




FR1 n48 / 20MHz / CP OFDM / QPSK

Highest Channel

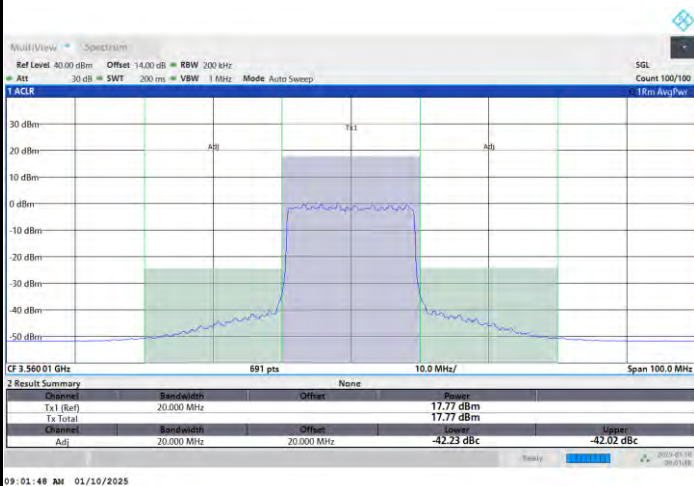
Full RB



FR1 n48 / 20MHz / CP OFDM / 16QAM

Lowest Channel

Full RB

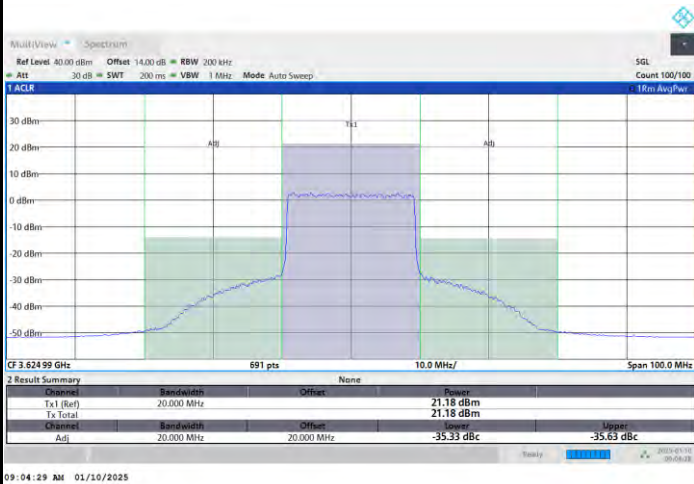




## FR1 n48 / 20MHz / CP OFDM / 16QAM

## Middle Channel

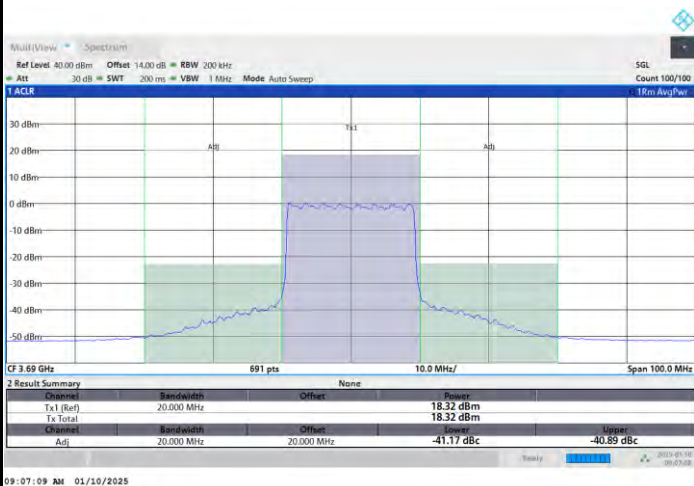
## Full RB



## FR1 n48 / 20MHz / CP OFDM / 16QAM

## Highest Channel

## Full RB

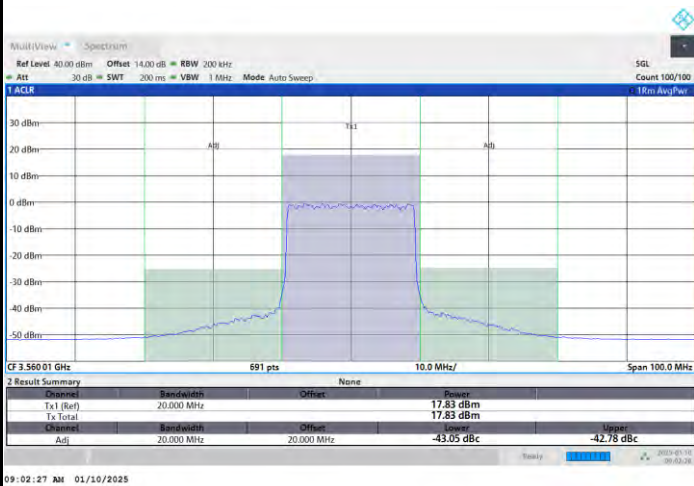




FR1 n48 / 20MHz / CP OFDM / 64QAM

Lowest Channel

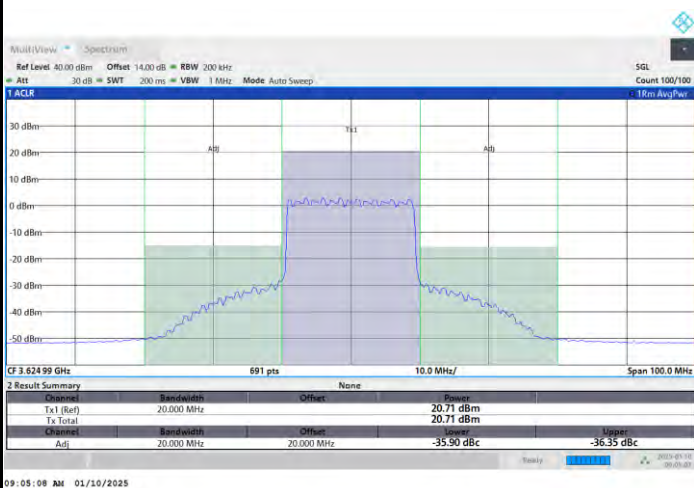
Full RB



FR1 n48 / 20MHz / CP OFDM / 64QAM

Middle Channel

Full RB

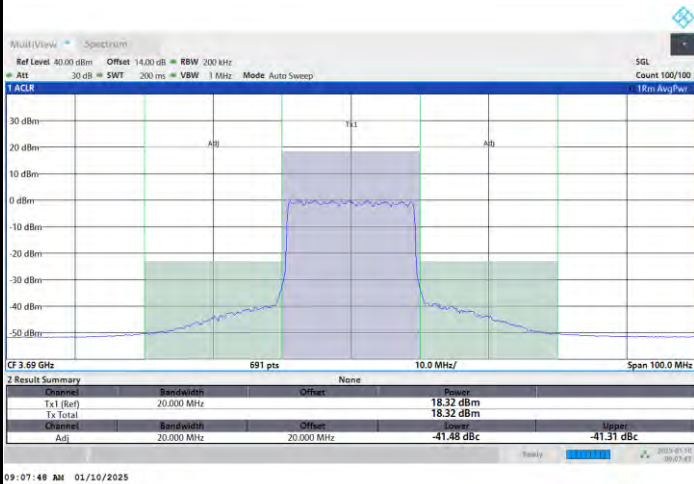




FR1 n48 / 20MHz / CP OFDM / 64QAM

Highest Channel

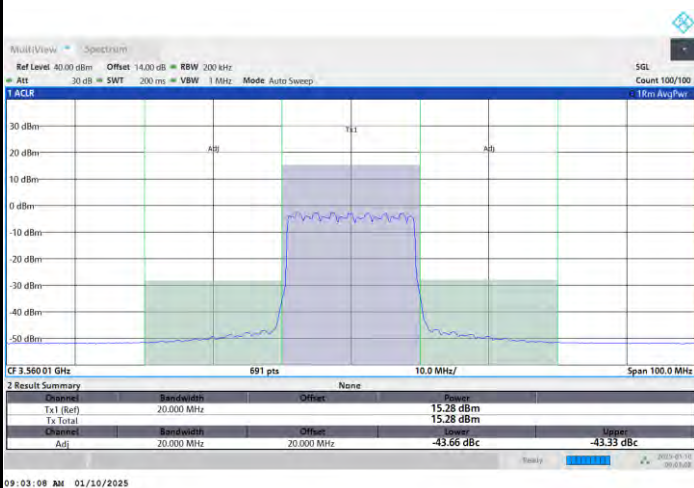
Full RB



FR1 n48 / 20MHz / CP OFDM / 256QAM

Lowest Channel

Full RB

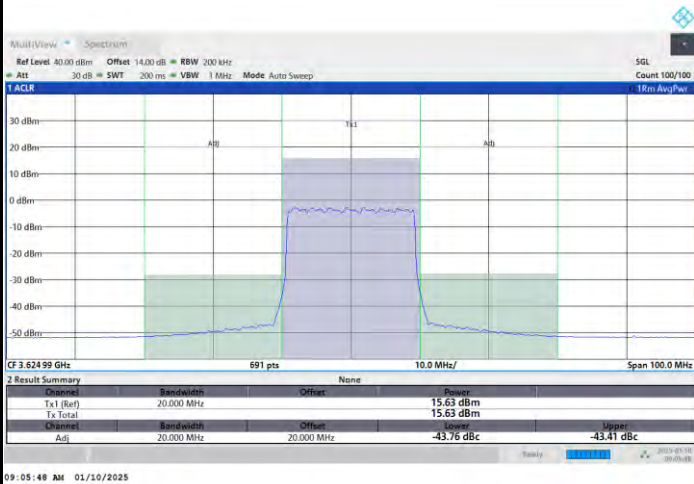




FR1 n48 / 20MHz / CP OFDM / 256QAM

Middle Channel

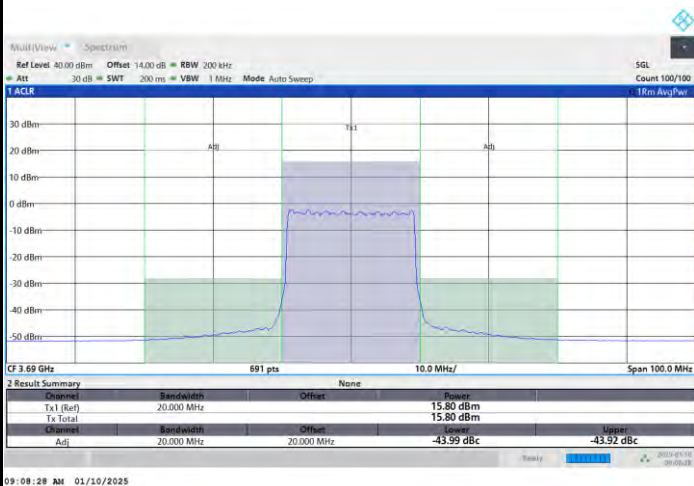
Full RB



FR1 n48 / 20MHz / CP OFDM / 256QAM

Highest Channel

Full RB

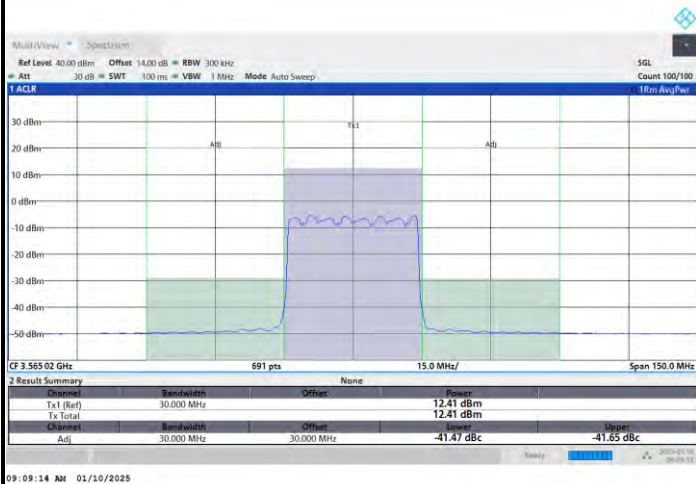




FR1 n48 / 30MHz / CP OFDM / QPSK

Lowest Channel

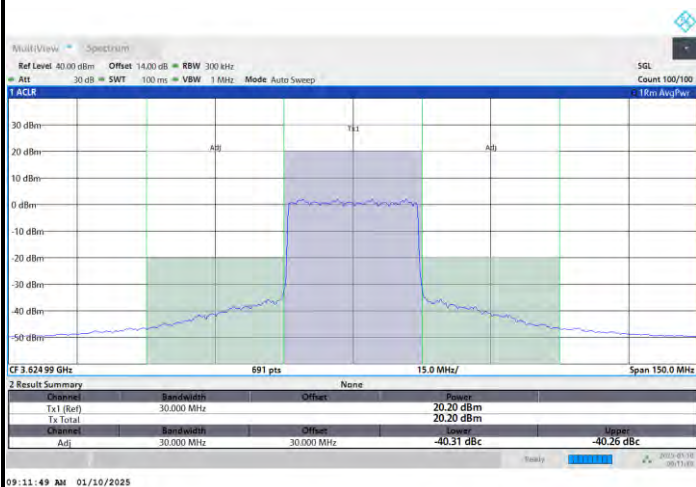
Full RB



FR1 n48 / 30MHz / CP OFDM / QPSK

Middle Channel

Full RB

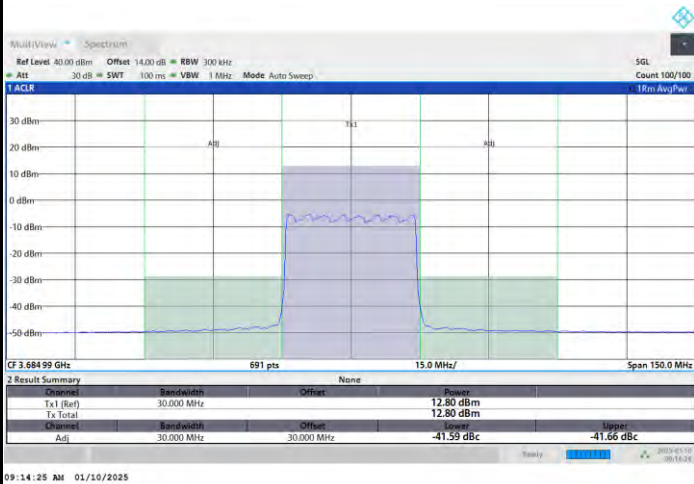




FR1 n48 / 30MHz / CP OFDM / QPSK

Highest Channel

Full RB



FR1 n48 / 30MHz / CP OFDM / 16QAM

Lowest Channel

Full RB

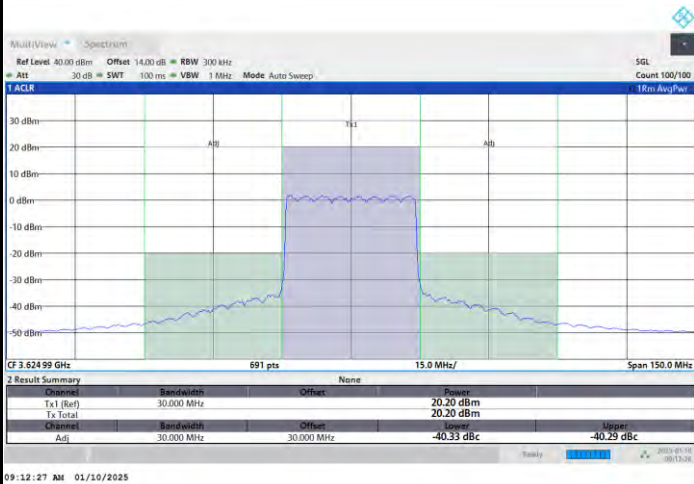




FR1 n48 / 30MHz / CP OFDM / 16QAM

Middle Channel

Full RB



FR1 n48 / 30MHz / CP OFDM / 16QAM

Highest Channel

Full RB

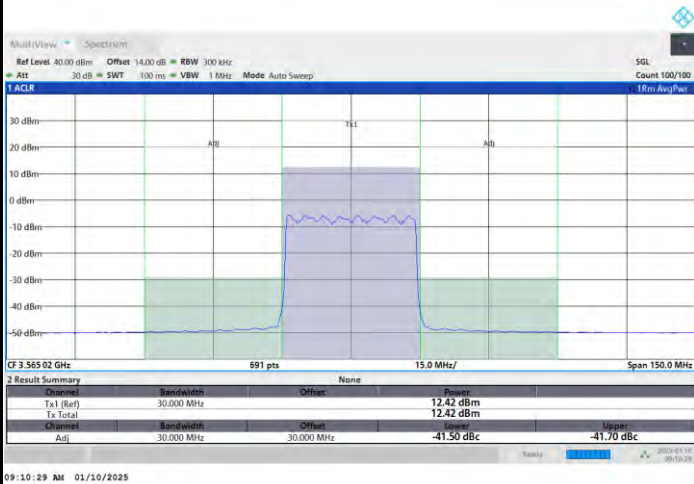




FR1 n48 / 30MHz / CP OFDM / 64QAM

Lowest Channel

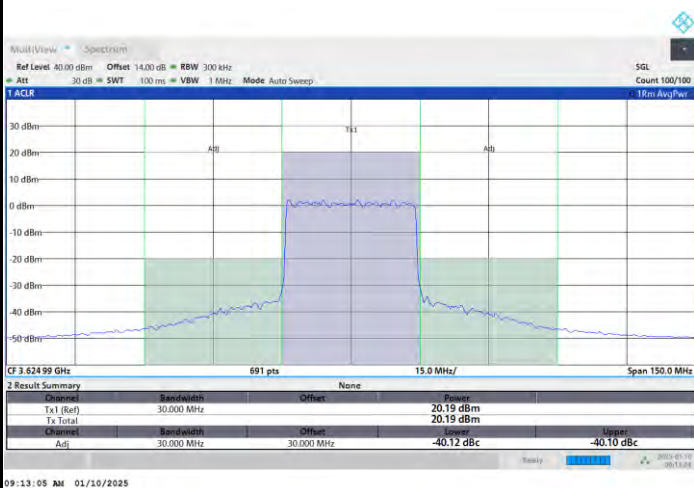
Full RB



FR1 n48 / 30MHz / CP OFDM / 64QAM

Middle Channel

Full RB

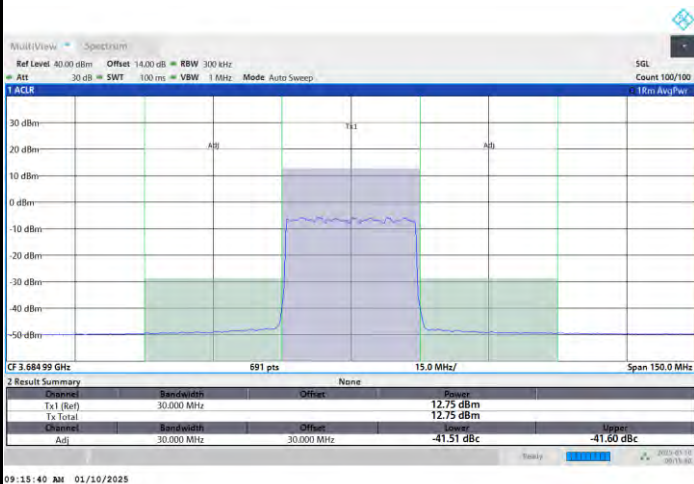




FR1 n48 / 30MHz / CP OFDM / 64QAM

Highest Channel

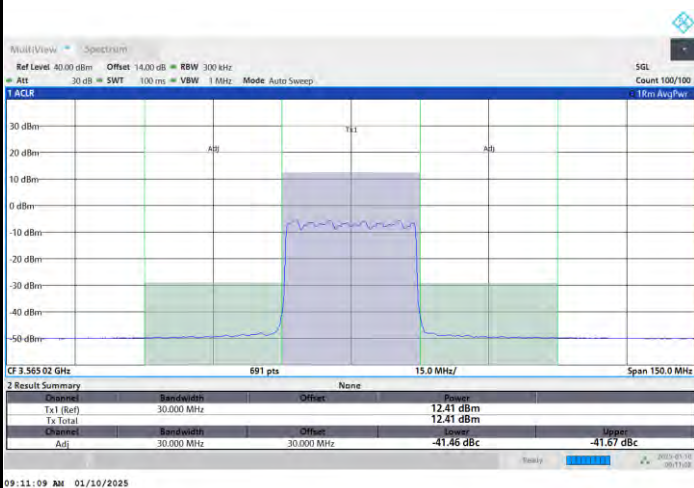
Full RB



FR1 n48 / 30MHz / CP OFDM / 256QAM

Lowest Channel

Full RB

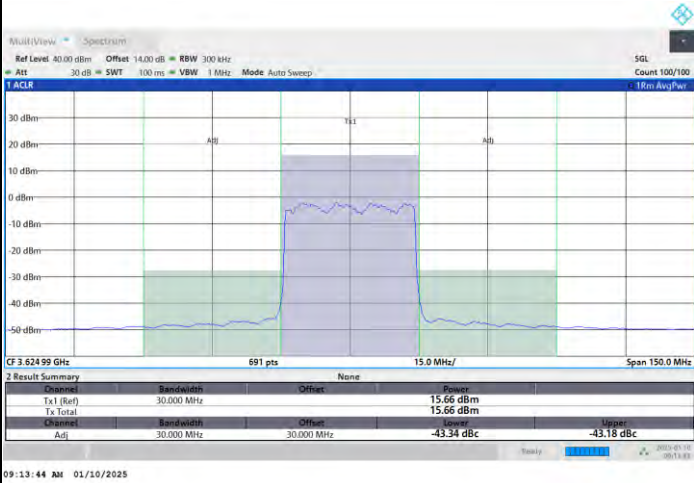




**FR1 n48 / 30MHz / CP OFDM / 256QAM**

## Middle Channel

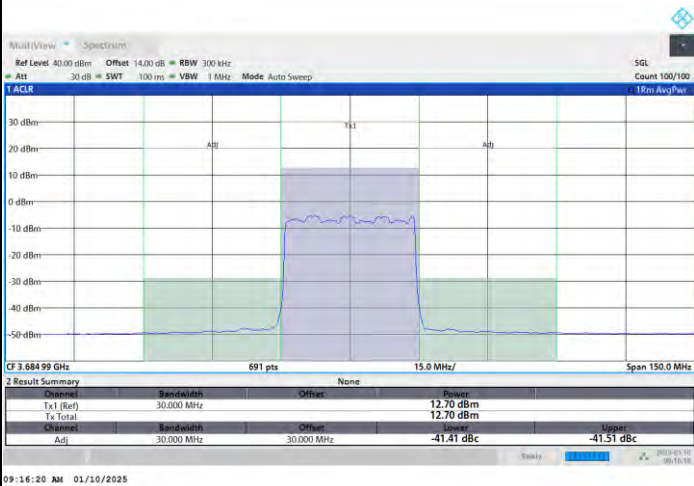
## Full RB



**FR1 n48 / 30MHz / CP OFDM / 256QAM**

### Highest Channel

## Full RB

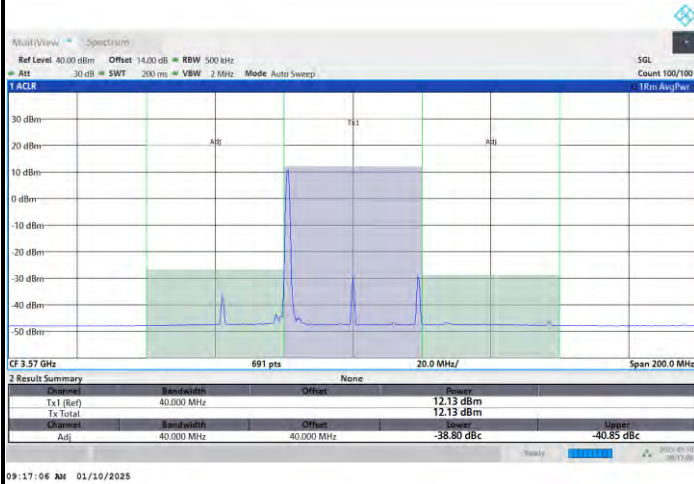




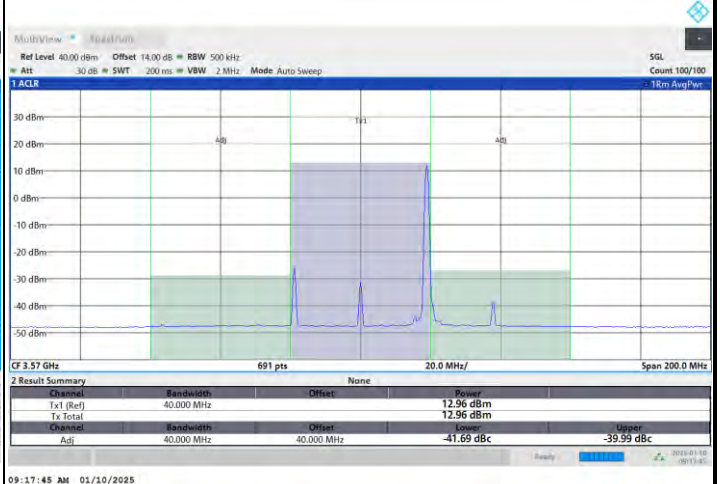
## FR1 n48 / 40MHz / CP OFDM / QPSK

## Lowest Channel

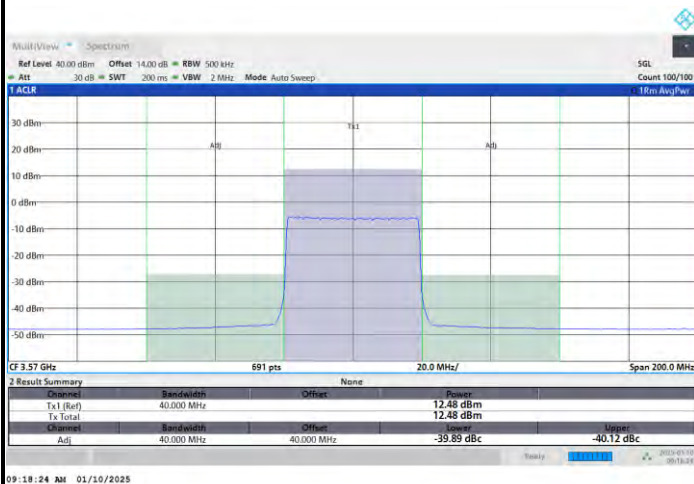
## 1RB0



## 1RBmax



## Full RB

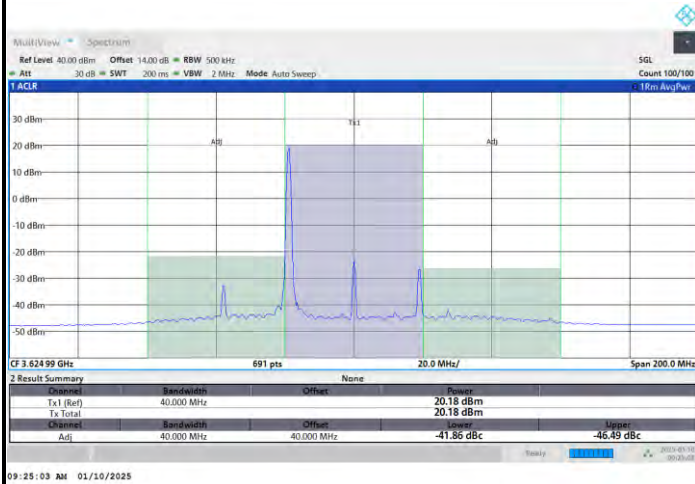




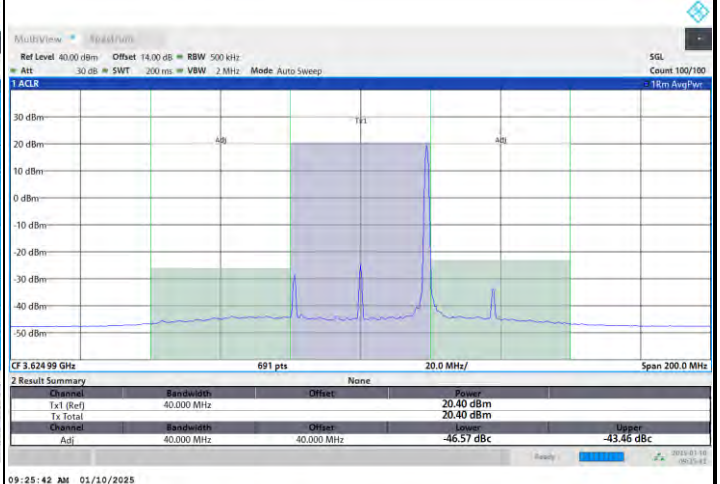
## FR1 n48 / 40MHz / CP OFDM / QPSK

## Middle Channel

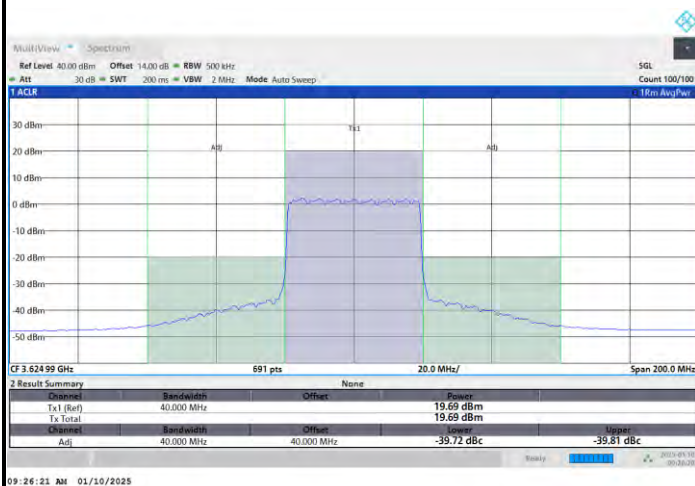
## 1RB0



## 1RBmax



## Full RB

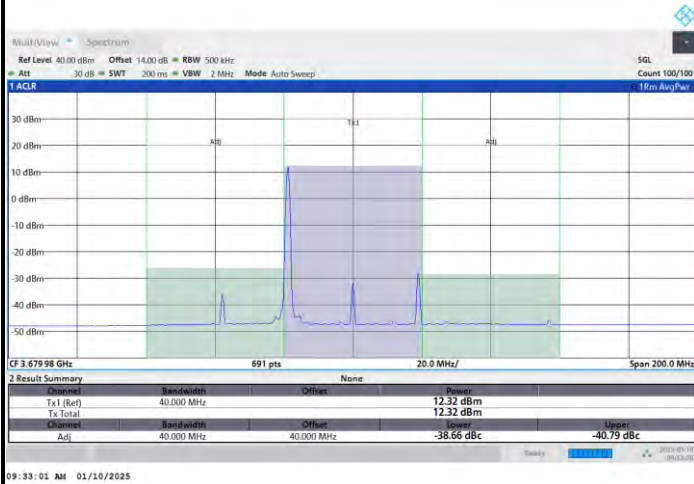




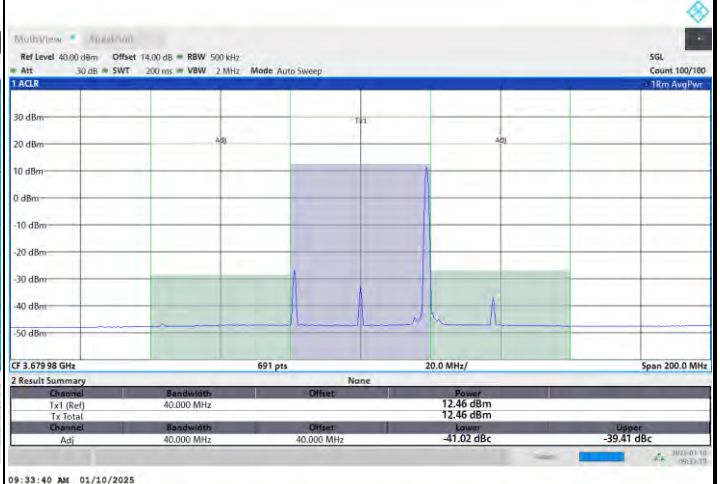
## FR1 n48 / 40MHz / CP OFDM / QPSK

## Highest Channel

## 1RB0



## 1RBmax



## Full RB

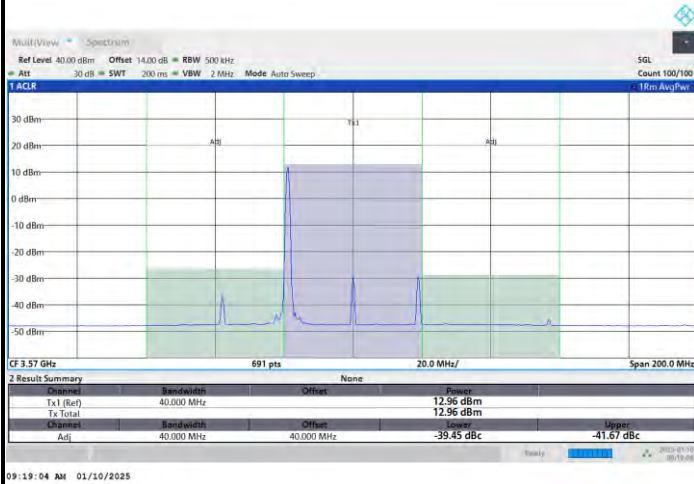




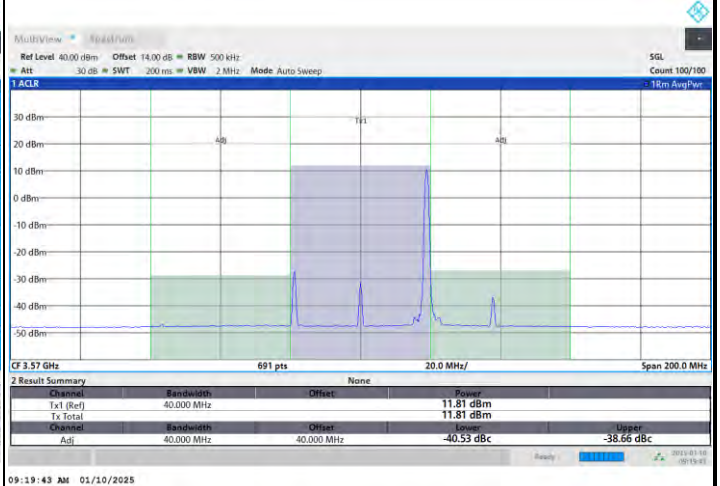
## FR1 n48 / 40MHz / CP OFDM / 16QAM

## Lowest Channel

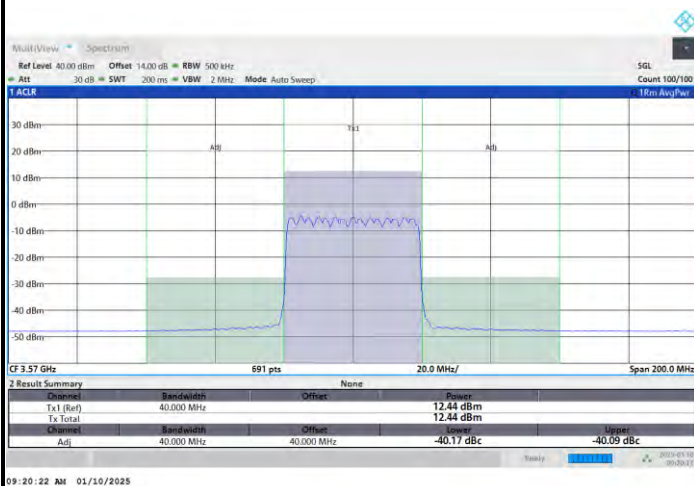
## 1RB0



## 1RBmax



## Full RB

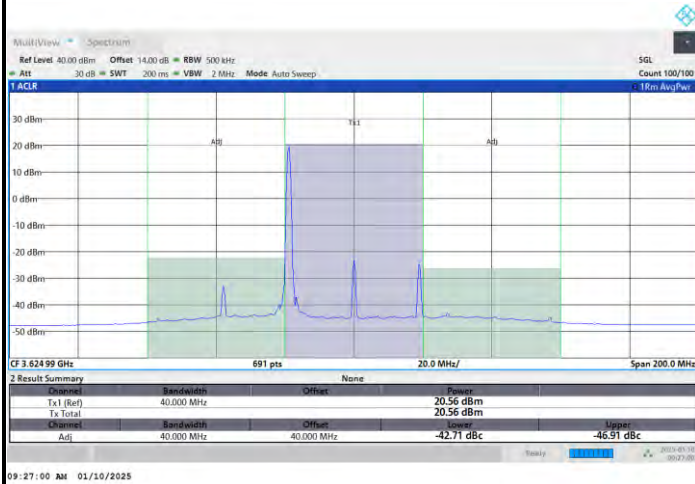




## FR1 n48 / 40MHz / CP OFDM / 16QAM

## Middle Channel

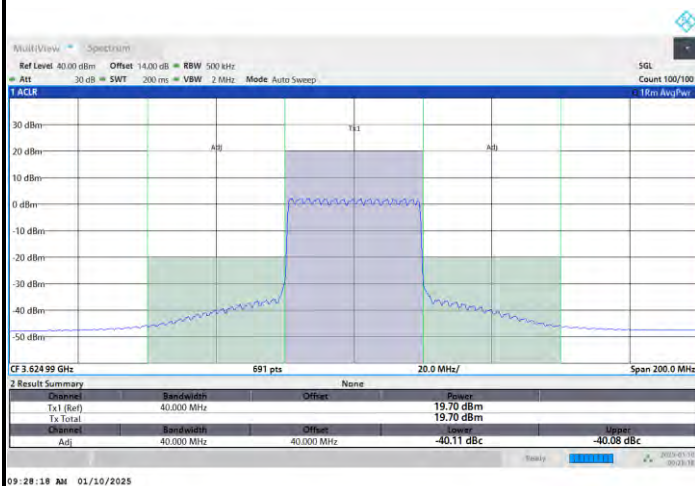
## 1RB0



## 1RBmax



## Full RB

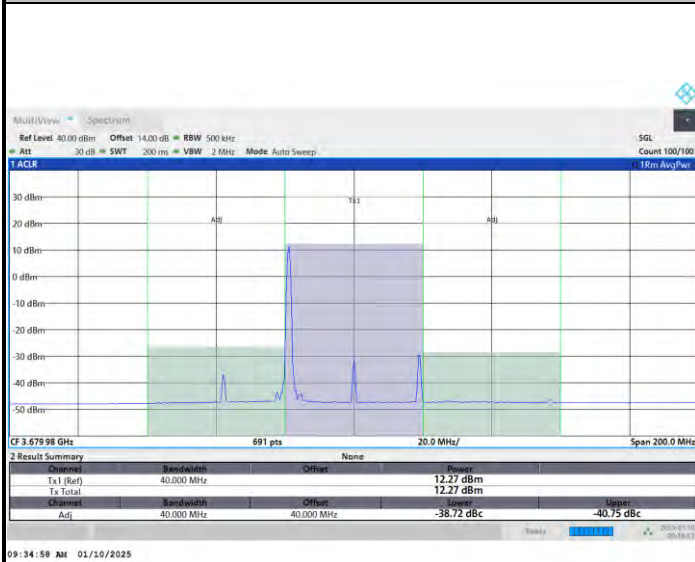




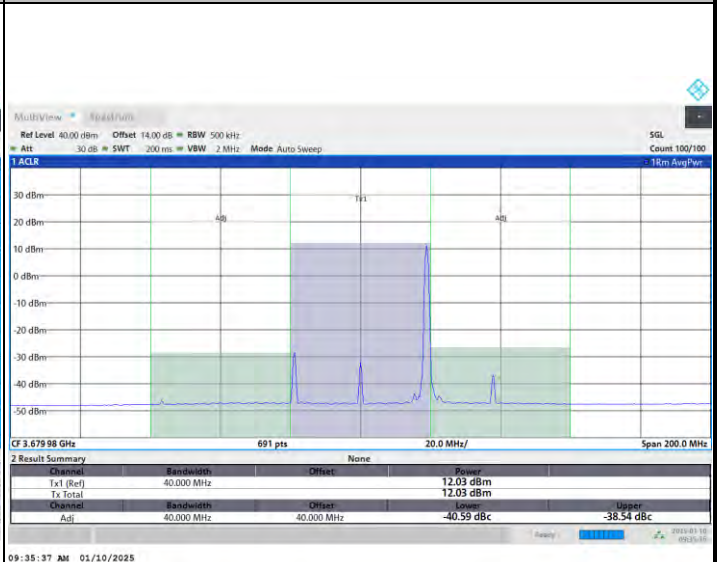
## FR1 n48 / 40MHz / CP OFDM / 16QAM

## Highest Channel

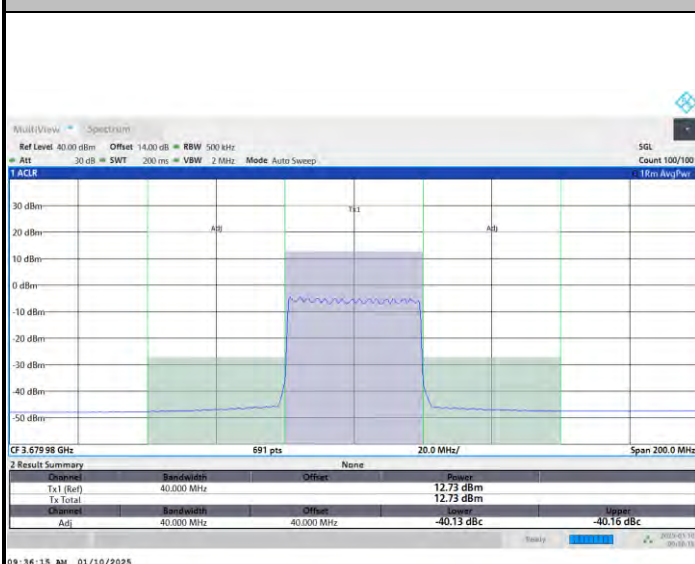
## 1RB0



## 1RBmax



## Full RB

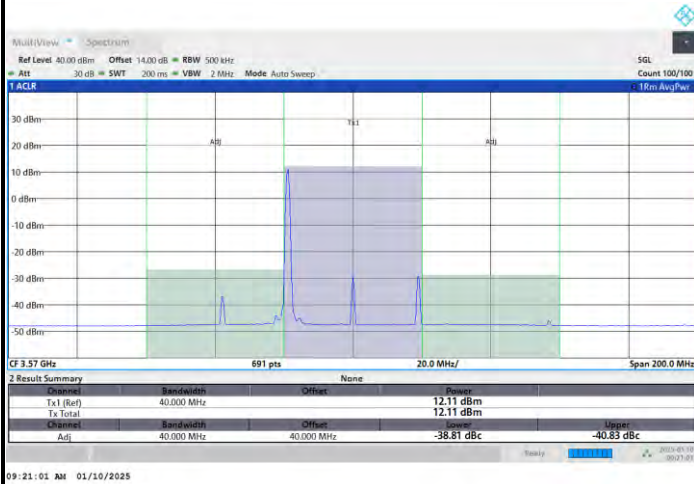




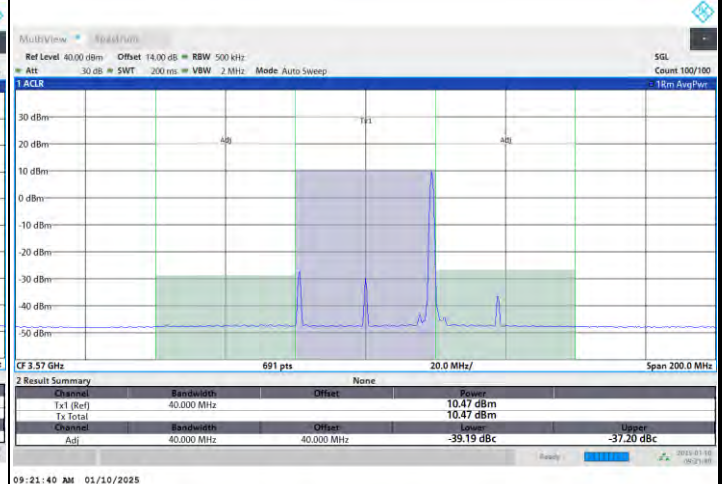
## FR1 n48 / 40MHz / CP OFDM / 64QAM

## Lowest Channel

## 1RB0



## 1RBmax



## Full RB

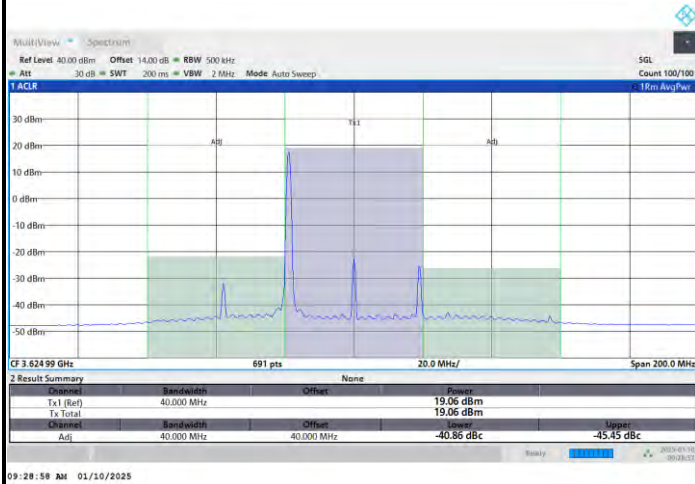




## FR1 n48 / 40MHz / CP OFDM / 64QAM

## Middle Channel

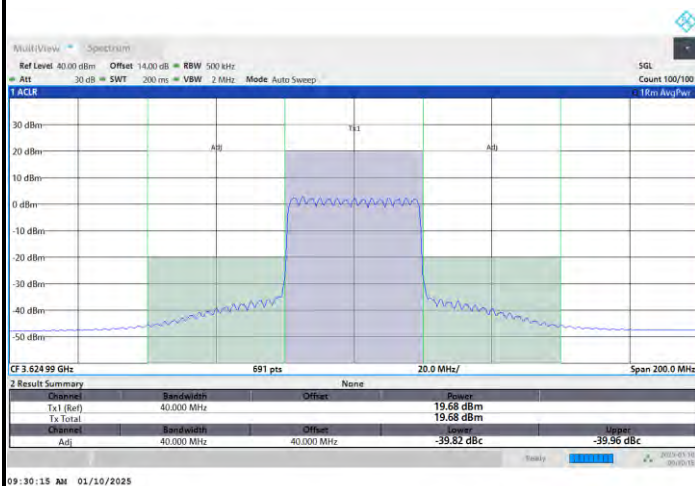
## 1RB0



## 1RBmax



## Full RB

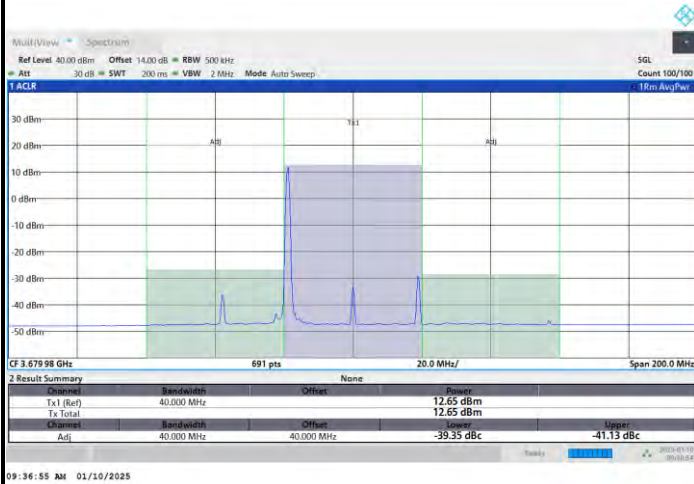




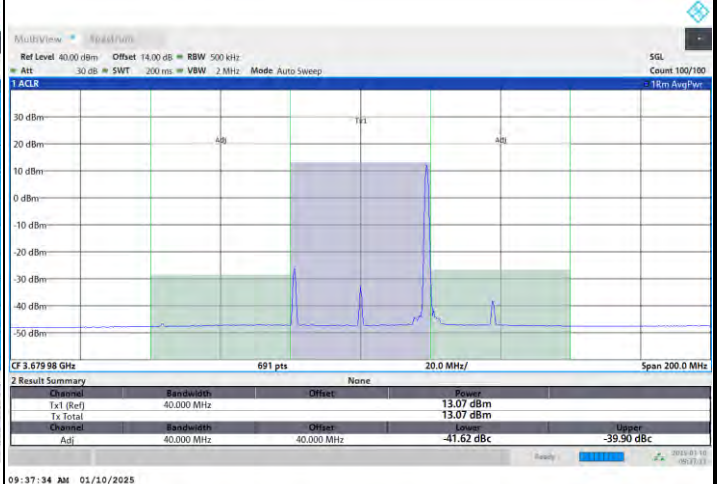
## FR1 n48 / 40MHz / CP OFDM / 64QAM

## Highest Channel

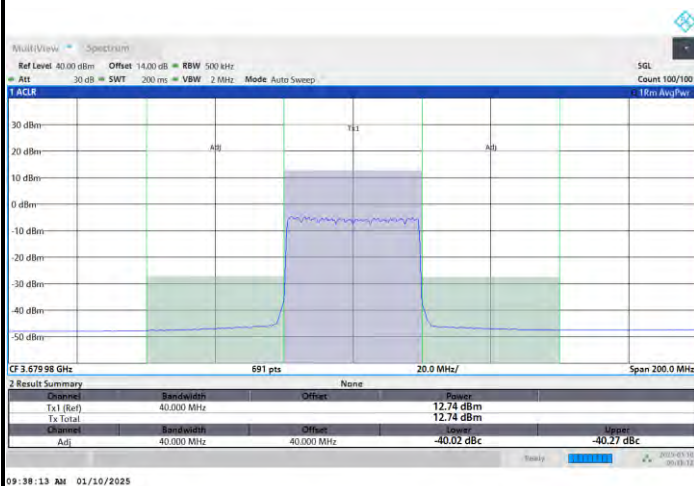
## 1RB0



## 1RBmax



## Full RB

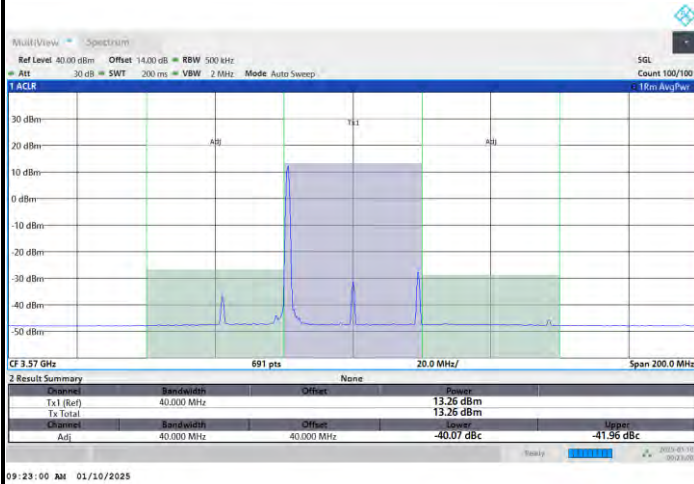




## FR1 n48 / 40MHz / CP OFDM / 256QAM

## Lowest Channel

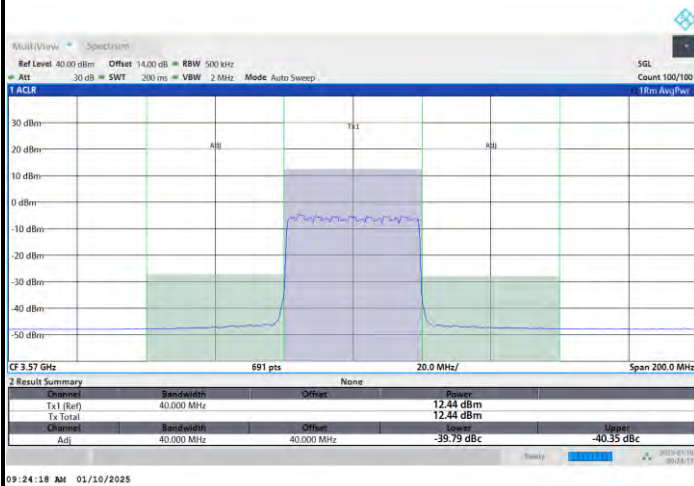
## 1RB0



## 1RBmax



## Full RB

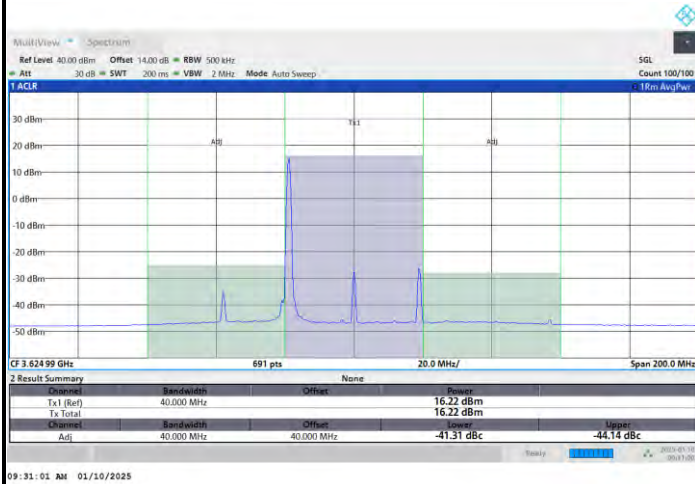




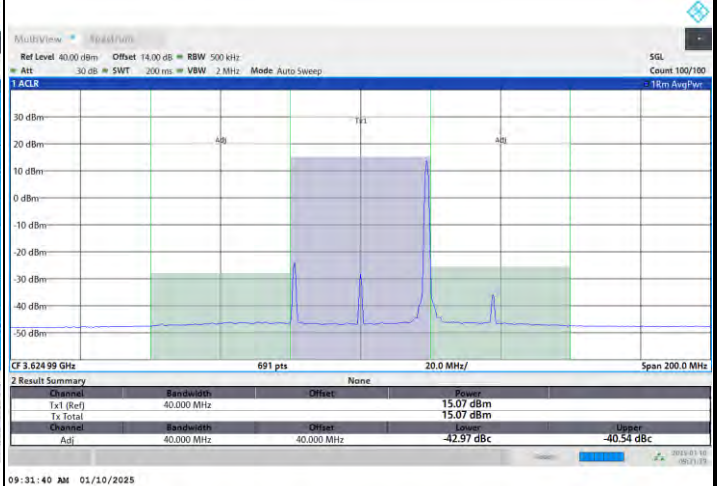
## FR1 n48 / 40MHz / CP OFDM / 256QAM

## Middle Channel

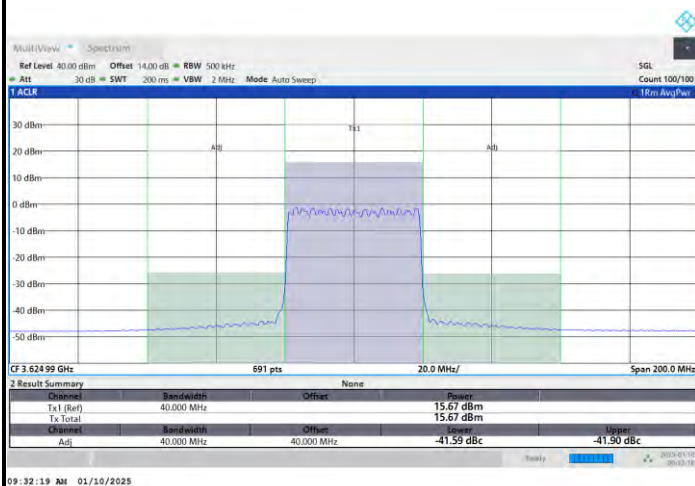
## 1RB0



## 1RBmax



## Full RB

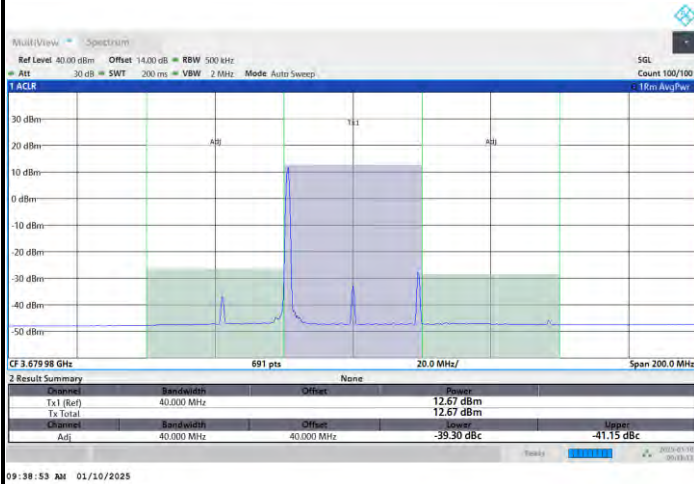




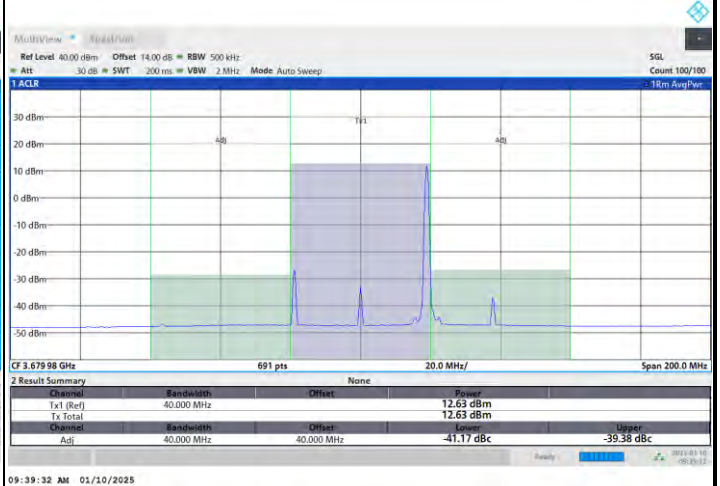
## FR1 n48 / 40MHz / CP OFDM / 256QAM

## Highest Channel

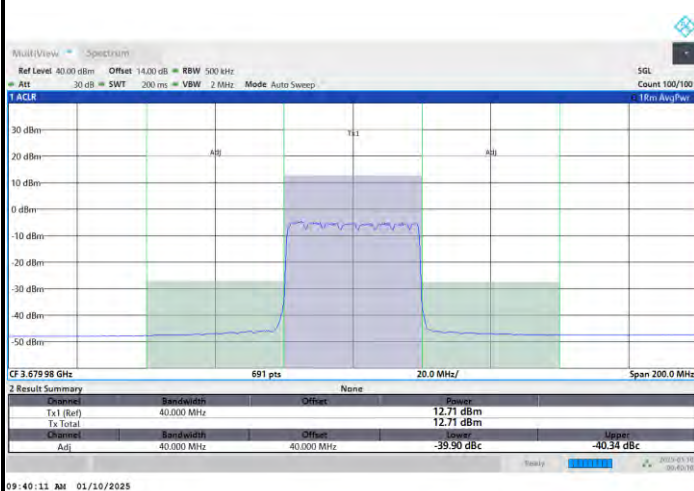
## 1RB0



## 1RBmax



## Full RB





# Conducted Spurious Emission

FR1 n48 / 10MHz / CP OFDM / QPSK / 1RB1

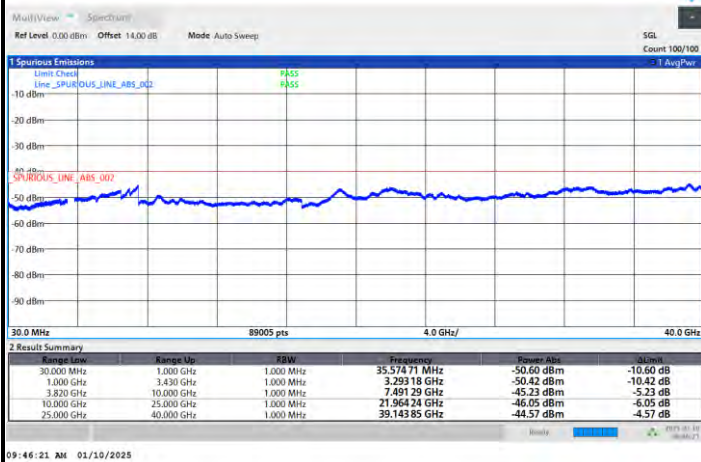
## Lowest Channel



## Middle Channel



## Highest Channel





## FR1 n48 / 15MHz / CP OFDM / QPSK / 1RB1

## Lowest Channel



## Middle Channel



## Highest Channel





## FR1 n48 / 20MHz / CP OFDM / QPSK / 1RB1

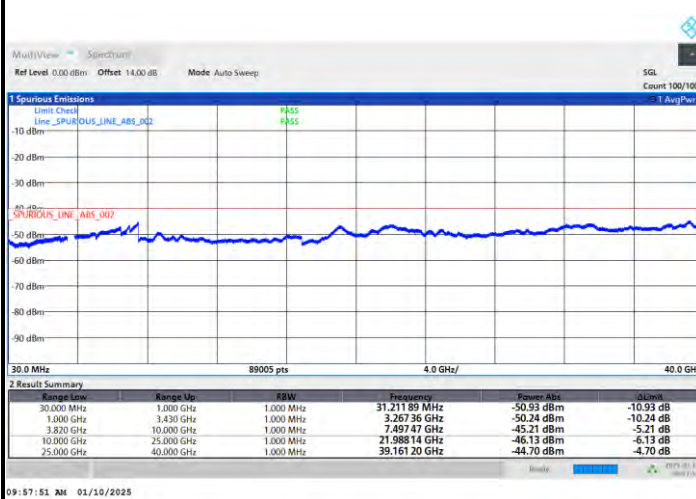
## Lowest Channel



## Middle Channel



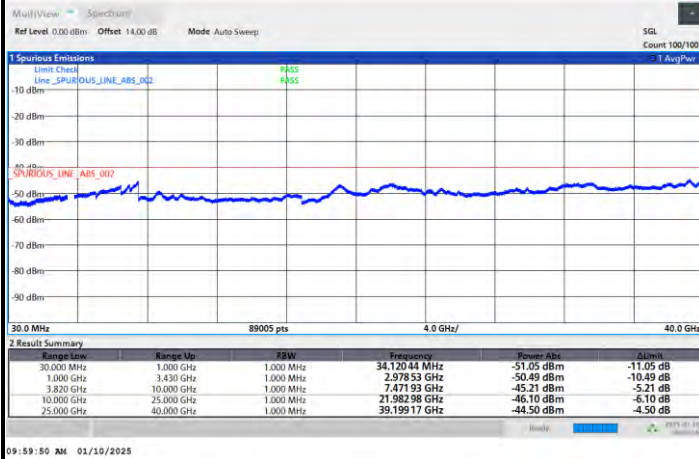
## Highest Channel



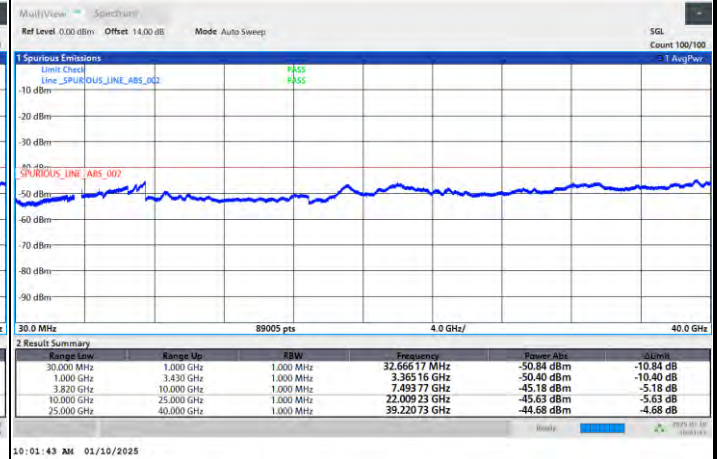


## FR1 n48 / 30MHz / CP OFDM / QPSK / 1RB1

## Lowest Channel



## Middle Channel



## Highest Channel





## FR1 n48 / 40MHz / CP OFDM / QPSK / 1RB1

## Lowest Channel



## Middle Channel



## Highest Channel



## Frequency Stability

| Test Conditions     |                   | FR1 n48 (QPSK) / Middle Channel | Limit   |
|---------------------|-------------------|---------------------------------|---------|
| Temperature<br>(°C) | Voltage<br>(Volt) | BW 20MHz                        | Note 2. |
|                     |                   | Deviation (ppm)                 | Result  |
| 50                  | Normal Voltage    | 0.0103                          | PASS    |
| 40                  | Normal Voltage    | 0.0083                          |         |
| 30                  | Normal Voltage    | 0.0048                          |         |
| 20(Ref.)            | Normal Voltage    | 0.0000                          |         |
| 10                  | Normal Voltage    | 0.0061                          |         |
| 0                   | Normal Voltage    | 0.0086                          |         |
| -10                 | Normal Voltage    | 0.0103                          |         |
| -20                 | Normal Voltage    | 0.0041                          |         |
| -30                 | Normal Voltage    | 0.0021                          |         |
| 20                  | Maximum Voltage   | 0.0042                          |         |
| 20                  | Normal Voltage    | 0.0082                          |         |
| 20                  | Minimum Voltage   | 0.0054                          |         |

**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.
3. The frequency variation is sufficient to ensure that the occupied bandwidth of all operation channels stay within the operating frequency block or frequency block group.

**Appendix B. Test Results of Radiated Test****B1. Summary of each worse mode**

| Mode | Part    | Band      | Ch | Freq (MHz) | Level (dBm) | Det | Ant Factor (dB) | Amp\Cbl (dB) | Filter (dB) | EIRPCF (dB) | Reading (dBuV) | Limit (dBm) | Margin (dB) | Pol | Ant     |
|------|---------|-----------|----|------------|-------------|-----|-----------------|--------------|-------------|-------------|----------------|-------------|-------------|-----|---------|
| 3    | Part 96 | NR SA n48 | L  | 14205      | -50.05      | RMS | 41.20           | -21.96       | 0.76        | -95.23      | 25.18          | -40.00      | -10.05      | V   | Tx0     |
| 4    | Part 96 | NR SA n48 | M  | 10849      | -44.84      | RMS | 37.50           | -21.41       | 0.78        | -95.23      | 33.52          | -40.00      | -4.84       | V   | Tx1     |
| 5    | Part 96 | NR SA n48 | H  | 14725      | -50.00      | RMS | 41.35           | -22.54       | 0.69        | -95.23      | 25.73          | -40.00      | -10.00      | H   | MIMOTx0 |
| 6    | Part 96 | NR SA n48 | L  | 14205      | -51.20      | RMS | 41.20           | -21.96       | 0.76        | -95.23      | 24.03          | -40.00      | -11.20      | V   | MIMOTx1 |

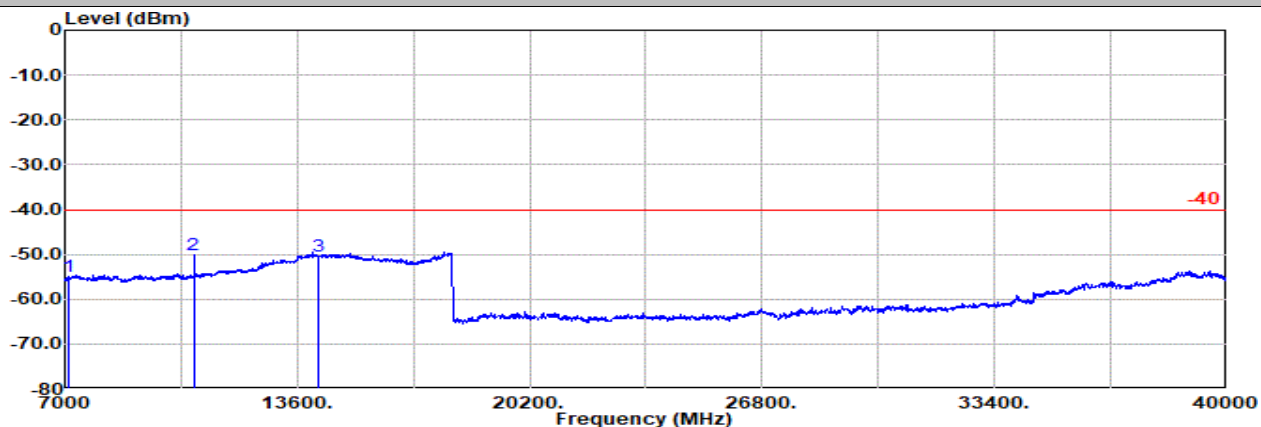


Tx0

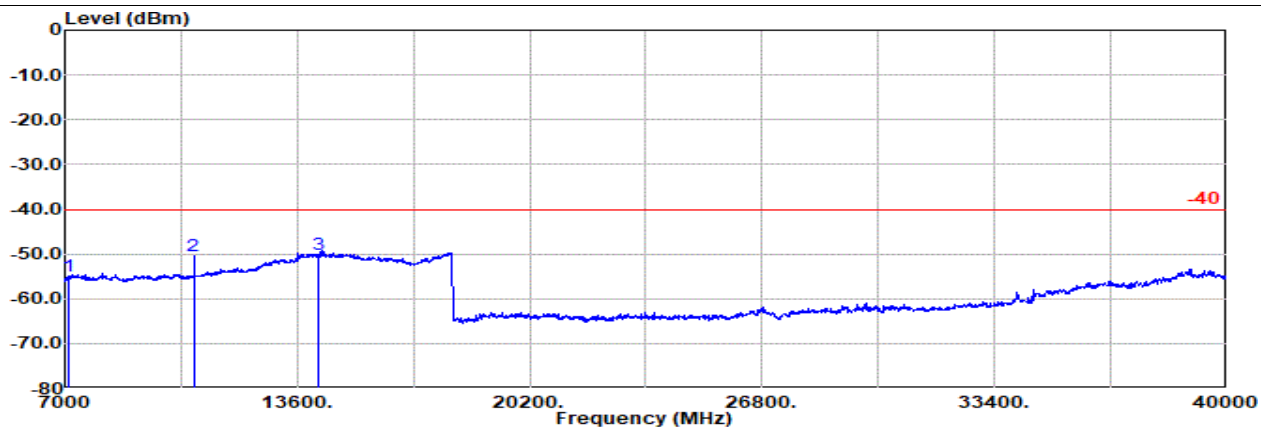
## Part 96 Mode 3

NR SA n48 20M Ch637334 1RB1 BPSK

L



|   | Freq     | Level  | Detector | Ant Amp\Cb |       | Filter | EIRPCF | Readin | Limit | Margin |        | Pol        |
|---|----------|--------|----------|------------|-------|--------|--------|--------|-------|--------|--------|------------|
|   |          |        |          | Factor     | 1     |        |        |        |       |        |        |            |
|   | MHz      | dBm    |          |            | dB/m  | dB     | dB     | dB     | dBuV  | dBm    | dB     |            |
| 1 | 7103.00  | -54.88 | RMS      |            | 36.31 | -20.88 | 1.38   | -95.23 | 23.54 | -40.00 | -14.88 | Horizontal |
| 2 | 10654.00 | -50.11 | RMS      |            | 37.50 | -21.43 | 0.79   | -95.23 | 28.26 | -40.00 | -10.11 | Horizontal |
| 3 | 14205.00 | -50.27 | RMS      |            | 41.20 | -21.96 | 0.76   | -95.23 | 24.96 | -40.00 | -10.27 | Horizontal |



|   | Freq     | Level  | Detector | Ant Amp\Cb |       | Filter | EIRPCF | Readin | Limit | Margin |        | Pol      |
|---|----------|--------|----------|------------|-------|--------|--------|--------|-------|--------|--------|----------|
|   |          |        |          | Factor     | 1     |        |        |        |       |        |        |          |
|   | MHz      | dBm    |          |            | dB/m  | dB     | dB     | dB     | dBuV  | dBm    | dB     |          |
| 1 | 7103.00  | -55.06 | RMS      |            | 36.31 | -20.88 | 1.38   | -95.23 | 23.36 | -40.00 | -15.06 | Vertical |
| 2 | 10654.00 | -50.40 | RMS      |            | 37.50 | -21.43 | 0.79   | -95.23 | 27.97 | -40.00 | -10.40 | Vertical |
| 3 | 14205.00 | -50.05 | RMS      |            | 41.20 | -21.96 | 0.76   | -95.23 | 25.18 | -40.00 | -10.05 | Vertical |

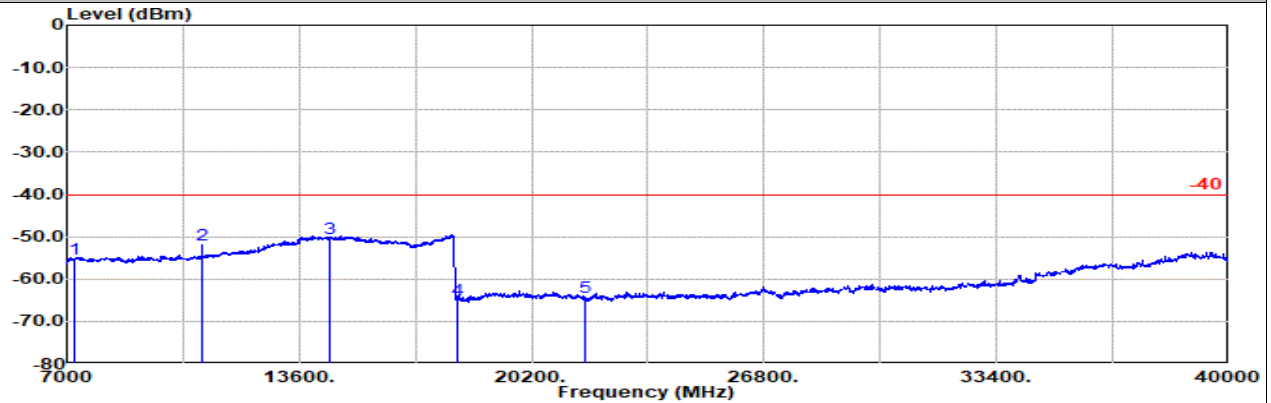


Tx0

## Part 96 Mode 3

NR SA n48 20M Ch641666 1RB1 BPSK

M

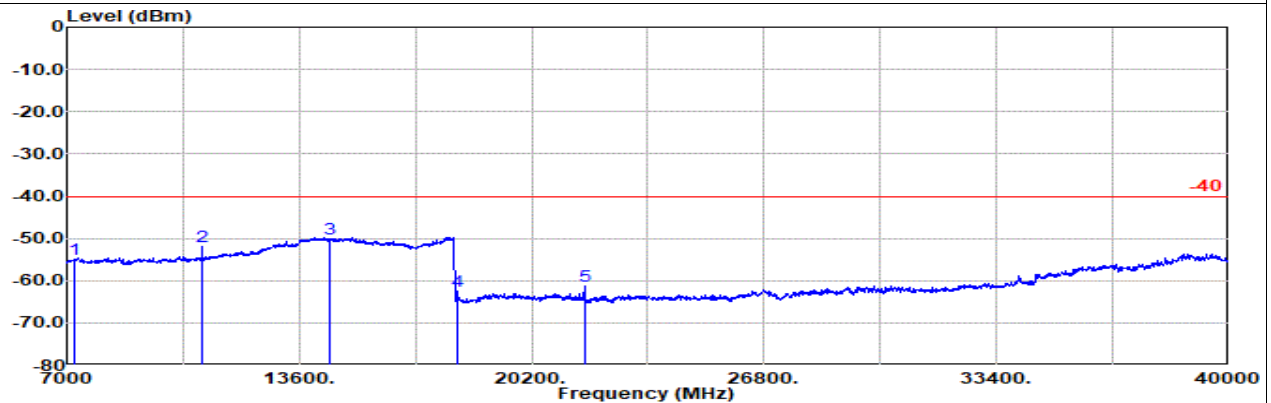


Site : 03CH21-HY

Condition: -40 1m BBHA9170\_1223\_240624 Horizontal

: SA n48 20M Ch641666 1RB1 BPSK

|   | Freq Level |        | Detector | Ant Factor | Amp\Cb |       | Filter | EIRPCF | Reading | Limit  | Margin     | Pol |
|---|------------|--------|----------|------------|--------|-------|--------|--------|---------|--------|------------|-----|
|   | MHz        | dBm    |          |            | dB/m   | dB    | dB     | dB     | dBuV    | dBm    | dB         |     |
| 1 | 7233.00    | -55.16 | RMS      | 36.57      | -20.81 | 1.29  | -95.23 | 23.02  | -40.00  | -15.16 | Horizontal |     |
| 2 | 10849.00   | -51.89 | RMS      | 37.50      | -21.41 | 0.78  | -95.23 | 26.47  | -40.00  | -11.89 | Horizontal |     |
| 3 | 14465.00   | -50.54 | RMS      | 41.23      | -22.55 | 0.72  | -95.23 | 25.29  | -40.00  | -10.54 | Horizontal |     |
| 4 | 18081.00   | -64.92 | RMS      | 37.72      | -39.66 | -9.54 | -95.23 | 41.79  | -40.00  | -24.92 | Horizontal |     |
| 5 | 21698.00   | -64.15 | RMS      | 38.20      | -35.90 | -9.54 | -95.23 | 38.32  | -40.00  | -24.15 | Horizontal |     |



Site : 03CH21-HY

Condition: -40 1m BBHA9170\_1223\_240624 Vertical

: SA n48 20M Ch641666 1RB1 BPSK

|   | Freq Level |        | Detector | Ant Factor | Amp\Cb |       | Filter | EIRPCF | Reading | Limit  | Margin   | Pol |
|---|------------|--------|----------|------------|--------|-------|--------|--------|---------|--------|----------|-----|
|   | MHz        | dBm    |          |            | dB/m   | dB    | dB     | dB     | dBuV    | dBm    | dB       |     |
| 1 | 7233.00    | -55.04 | RMS      | 36.57      | -20.81 | 1.29  | -95.23 | 23.14  | -40.00  | -15.04 | Vertical |     |
| 2 | 10849.00   | -52.06 | RMS      | 37.50      | -21.41 | 0.78  | -95.23 | 26.30  | -40.00  | -12.06 | Vertical |     |
| 3 | 14465.00   | -50.14 | RMS      | 41.23      | -22.55 | 0.72  | -95.23 | 25.69  | -40.00  | -10.14 | Vertical |     |
| 4 | 18081.00   | -62.41 | RMS      | 37.72      | -39.66 | -9.54 | -95.23 | 44.30  | -40.00  | -22.41 | Vertical |     |
| 5 | 21698.00   | -61.25 | RMS      | 38.20      | -35.90 | -9.54 | -95.23 | 41.22  | -40.00  | -21.25 | Vertical |     |

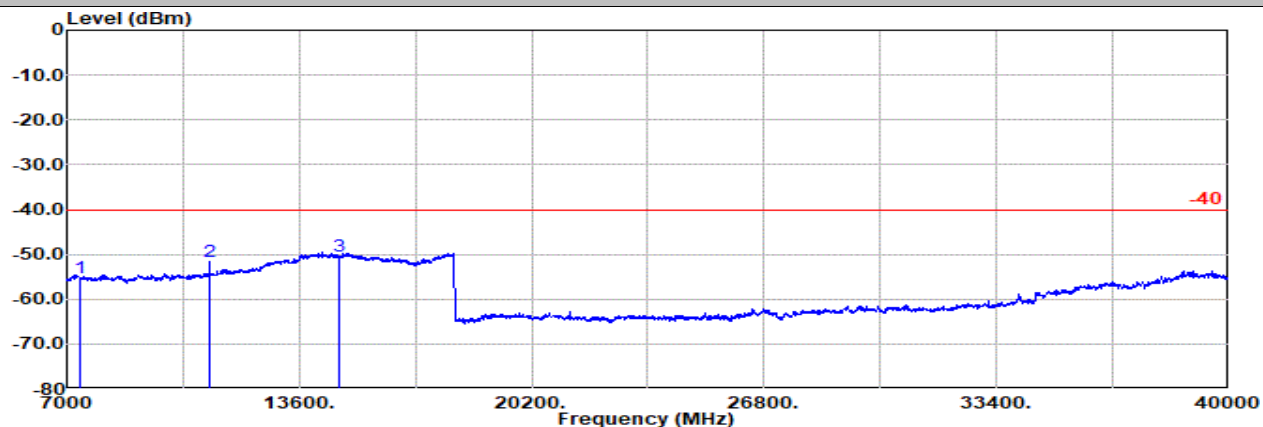


Tx0

## Part 96 Mode 3

NR SA n48 20M Ch646000 1RB1 BPSK

H

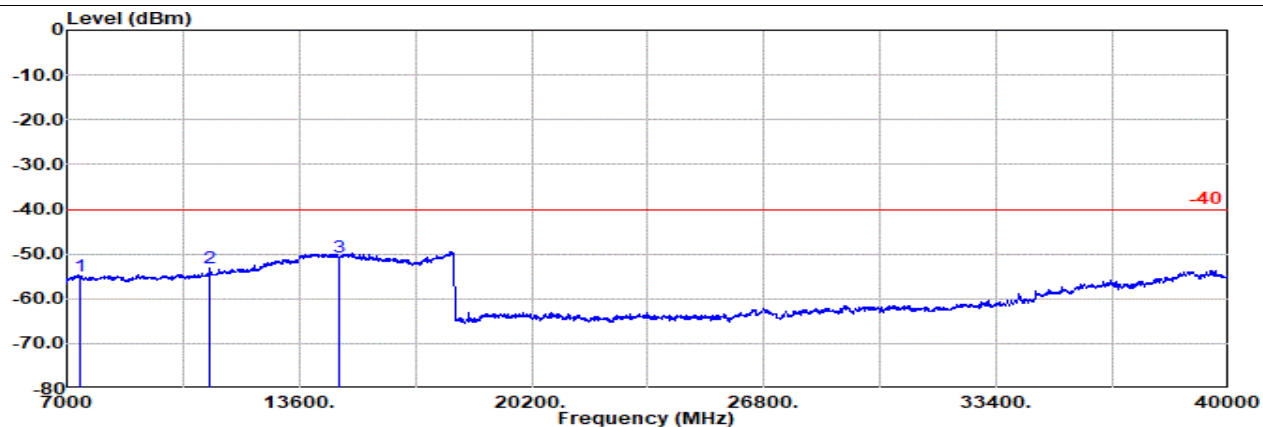


Site : 03CH21-HY

Condition: -40 1m BBHA9170\_1223\_240624 Horizontal

: SA n48 20M Ch646000 1RB1 BPSK

|   | Freq     | Level  | Detector | Ant Amp\Cb Filter |        | EIRPCF | Readin | Limit | Margin Pol |        |
|---|----------|--------|----------|-------------------|--------|--------|--------|-------|------------|--------|
|   |          |        |          | Factor            | 1      |        |        |       |            |        |
|   | MHz      | dBm    |          | dB/m              | dB     | dB     | dB     | dBuV  | dBm        | dB     |
| 1 | 7363.00  | -55.15 | RMS      | 36.80             | -20.74 | 1.23   | -95.23 | 22.79 | -40.00     | -15.15 |
| 2 | 11044.00 | -51.71 | RMS      | 37.79             | -21.41 | 0.77   | -95.23 | 26.37 | -40.00     | -11.71 |
| 3 | 14725.00 | -50.54 | RMS      | 41.35             | -22.54 | 0.69   | -95.23 | 25.19 | -40.00     | -10.54 |



Site : 03CH21-HY

Condition: -40 1m BBHA9170\_1223\_240624 Vertical

: SA n48 20M Ch646000 1RB1 BPSK

|   | Freq     | Level  | Detector | Ant Amp\Cb Filter |        | EIRPCF | Readin | Limit | Margin Pol |        |
|---|----------|--------|----------|-------------------|--------|--------|--------|-------|------------|--------|
|   |          |        |          | Factor            | 1      |        |        |       |            |        |
|   | MHz      | dBm    |          | dB/m              | dB     | dB     | dB     | dBuV  | dBm        | dB     |
| 1 | 7363.00  | -54.98 | RMS      | 36.80             | -20.74 | 1.23   | -95.23 | 22.96 | -40.00     | -14.98 |
| 2 | 11044.00 | -53.23 | RMS      | 37.79             | -21.41 | 0.77   | -95.23 | 24.85 | -40.00     | -13.23 |
| 3 | 14725.00 | -50.60 | RMS      | 41.35             | -22.54 | 0.69   | -95.23 | 25.13 | -40.00     | -10.60 |

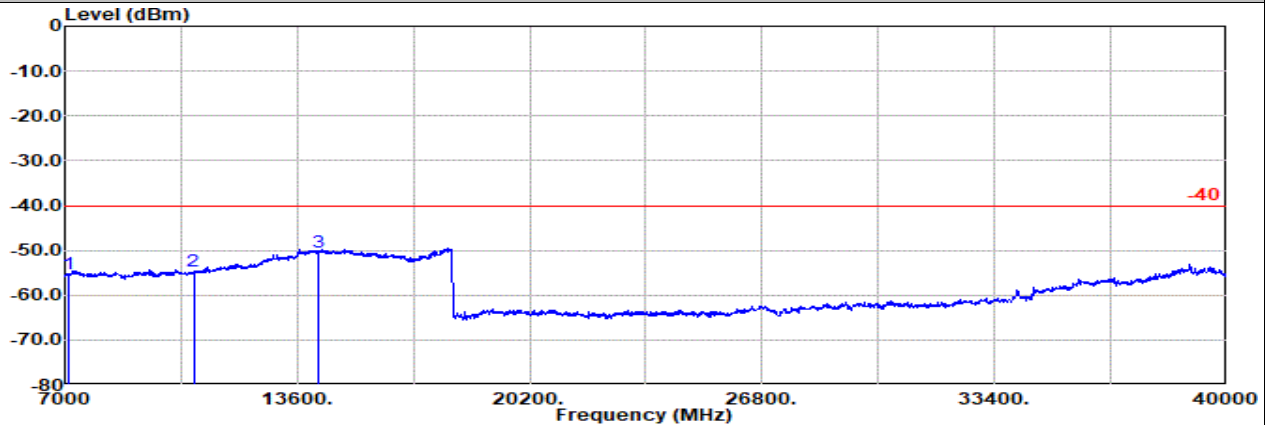


Tx1

## Part 96 Mode 4

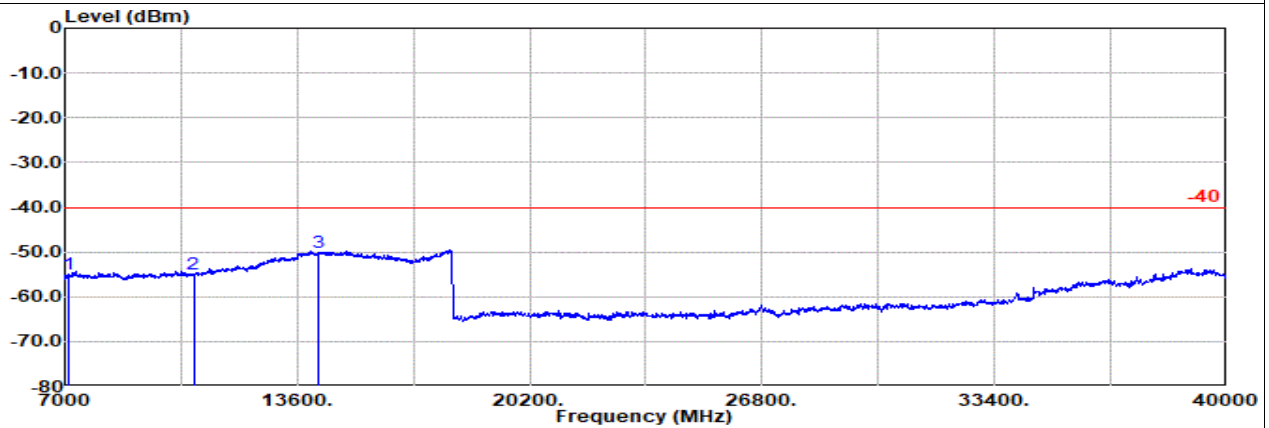
NR SA n48 20M Ch637334 1RB1 BPSK

L



Site : 03CH21-HY  
Condition: -40 1m BBHA9170\_1223\_240624 Horizontal  
: SA n48 20M Ch637334 1RB1 BPSK

|   | Freq<br>MHz | Level<br>dBm | Detector | Ant<br>Factor | Amp\Cb |      | Filter<br>1 | EIRPCF | Readin<br>g | Limit  |            | Margin | Pol |
|---|-------------|--------------|----------|---------------|--------|------|-------------|--------|-------------|--------|------------|--------|-----|
|   |             |              |          |               | dB/m   | dB   |             |        |             | dBm    | dB         |        |     |
| 1 | 7103.00     | -55.36       | RMS      | 36.31         | -20.88 | 1.38 | -95.23      | 23.06  | -40.00      | -15.36 | Horizontal |        |     |
| 2 | 10654.00    | -54.78       | RMS      | 37.50         | -21.43 | 0.79 | -95.23      | 23.59  | -40.00      | -14.78 | Horizontal |        |     |
| 3 | 14205.00    | -50.32       | RMS      | 41.20         | -21.96 | 0.76 | -95.23      | 24.91  | -40.00      | -10.32 | Horizontal |        |     |



Site : 03CH21-HY  
Condition: -40 1m BBHA9170\_1223\_240624 Vertical  
: SA n48 20M Ch637334 1RB1 BPSK

|   | Freq<br>MHz | Level<br>dBm | Detector | Ant<br>Factor | Amp\Cb |      | Filter<br>1 | EIRPCF | Readin<br>g | Limit  |          | Margin | Pol |
|---|-------------|--------------|----------|---------------|--------|------|-------------|--------|-------------|--------|----------|--------|-----|
|   |             |              |          |               | dB/m   | dB   |             |        |             | dBm    | dB       |        |     |
| 1 | 7103.00     | -55.06       | RMS      | 36.31         | -20.88 | 1.38 | -95.23      | 23.36  | -40.00      | -15.06 | Vertical |        |     |
| 2 | 10654.00    | -54.92       | RMS      | 37.50         | -21.43 | 0.79 | -95.23      | 23.45  | -40.00      | -14.92 | Vertical |        |     |
| 3 | 14205.00    | -50.12       | RMS      | 41.20         | -21.96 | 0.76 | -95.23      | 25.11  | -40.00      | -10.12 | Vertical |        |     |

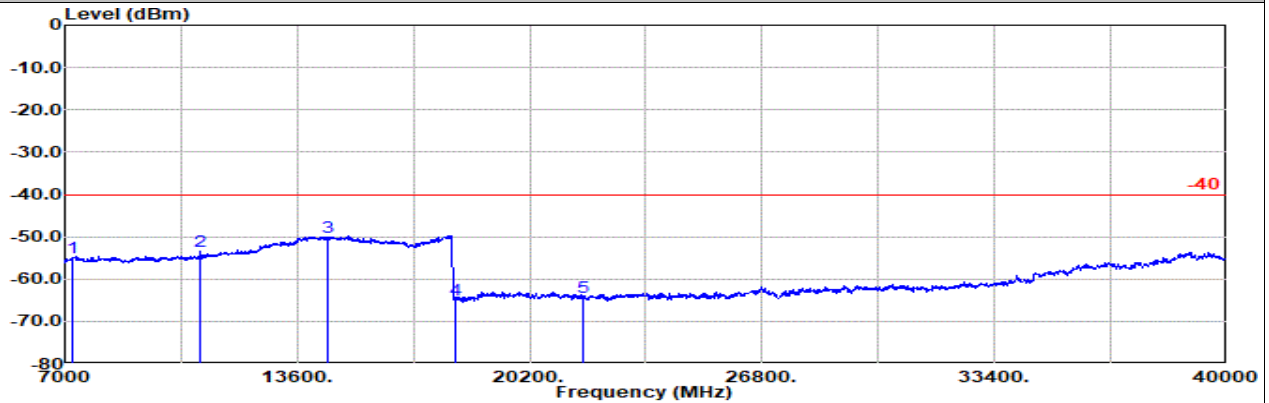


Tx1

## Part 96 Mode 4

NR SA n48 20M Ch641666 1RB1 BPSK

M

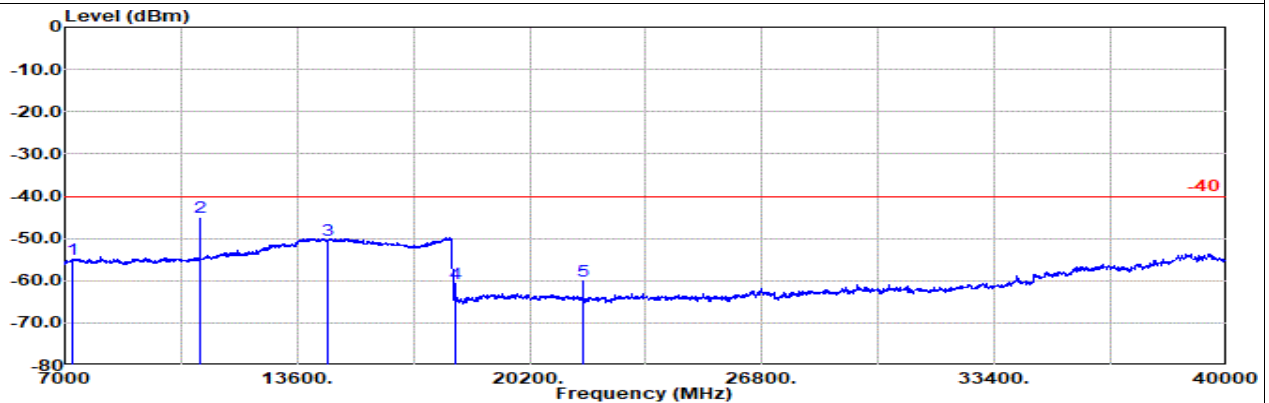


Site : 03CH21-HY

Condition: -40 1m BBHA9170\_1223\_240624 Horizontal

: SA n48 20M Ch641666 1RB1 BPSK

|   | Freq Level |        | Detector | Ant Factor | Amp\Cb |       | Filter | EIRPCF | Reading | Limit  | Margin     | Pol |
|---|------------|--------|----------|------------|--------|-------|--------|--------|---------|--------|------------|-----|
|   | MHz        | dBm    |          |            | dB/m   | dB    | dB     | dB     | dBuV    | dBm    | dB         |     |
| 1 | 7233.00    | -54.89 | RMS      | 36.57      | -20.81 | 1.29  | -95.23 | 23.29  | -40.00  | -14.89 | Horizontal |     |
| 2 | 10849.00   | -53.55 | RMS      | 37.50      | -21.41 | 0.78  | -95.23 | 24.81  | -40.00  | -13.55 | Horizontal |     |
| 3 | 14465.00   | -50.26 | RMS      | 41.23      | -22.55 | 0.72  | -95.23 | 25.57  | -40.00  | -10.26 | Horizontal |     |
| 4 | 18081.00   | -64.97 | RMS      | 37.72      | -39.66 | -9.54 | -95.23 | 41.74  | -40.00  | -24.97 | Horizontal |     |
| 5 | 21698.00   | -64.36 | RMS      | 38.20      | -35.90 | -9.54 | -95.23 | 38.11  | -40.00  | -24.36 | Horizontal |     |



Site : 03CH21-HY

Condition: -40 1m BBHA9170\_1223\_240624 Vertical

: SA n48 20M Ch641666 1RB1 BPSK

|   | Freq Level |        | Detector | Ant Factor | Amp\Cb |       | Filter | EIRPCF | Reading | Limit  | Margin   | Pol |
|---|------------|--------|----------|------------|--------|-------|--------|--------|---------|--------|----------|-----|
|   | MHz        | dBm    |          |            | dB/m   | dB    | dB     | dB     | dBuV    | dBm    | dB       |     |
| 1 | 7233.00    | -55.07 | RMS      | 36.57      | -20.81 | 1.29  | -95.23 | 23.11  | -40.00  | -15.07 | Vertical |     |
| 2 | 10849.00   | -44.84 | RMS      | 37.50      | -21.41 | 0.78  | -95.23 | 33.52  | -40.00  | -4.84  | Vertical |     |
| 3 | 14465.00   | -50.40 | RMS      | 41.23      | -22.55 | 0.72  | -95.23 | 25.43  | -40.00  | -10.40 | Vertical |     |
| 4 | 18081.00   | -60.57 | RMS      | 37.72      | -39.66 | -9.54 | -95.23 | 46.14  | -40.00  | -20.57 | Vertical |     |
| 5 | 21698.00   | -59.93 | RMS      | 38.20      | -35.90 | -9.54 | -95.23 | 42.54  | -40.00  | -19.93 | Vertical |     |

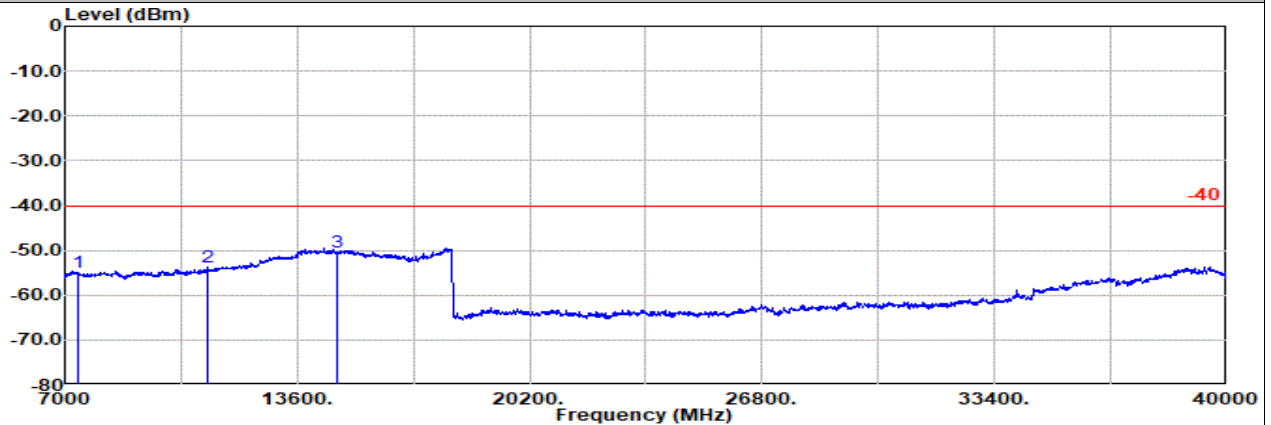


Tx1

## Part 96 Mode 4

NR SA n48 20M Ch646000 1RB1 BPSK

H

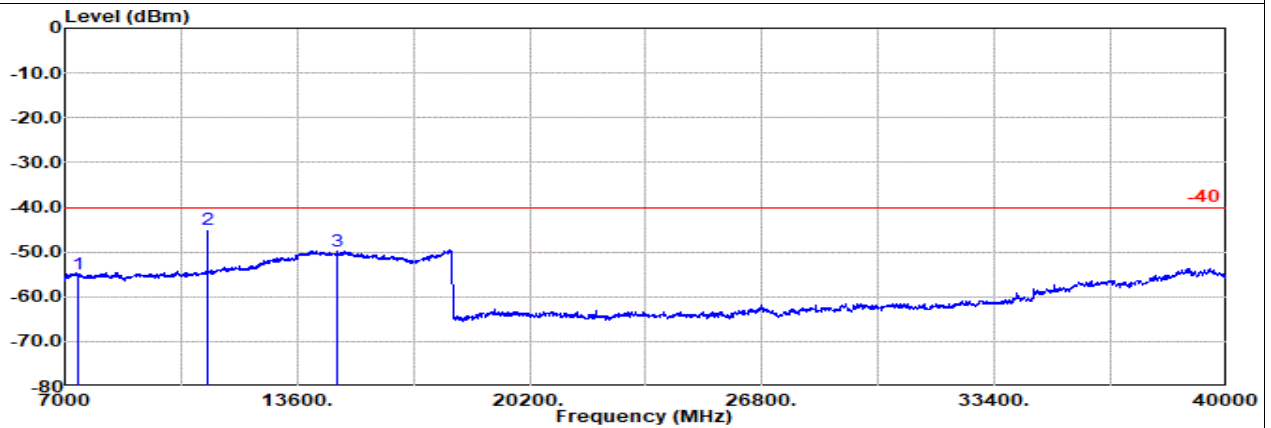


Site : 03CH21-HY

Condition: -40 1m BBHA9170\_1223\_240624 Horizontal

: SA n48 20M Ch646000 1RB1 BPSK

|   | Freq     | Level  | Detector | Ant Factor | Amp\Cb |      | Filter | EIRPCF | Readin | Limit  | Margin     |  | Pol |
|---|----------|--------|----------|------------|--------|------|--------|--------|--------|--------|------------|--|-----|
|   |          |        |          |            | dB/m   | dB   |        |        |        |        |            |  |     |
|   | MHz      | dBm    |          |            |        |      | dB     | dB     | dBuV   | dBm    | dB         |  |     |
| 1 | 7363.00  | -55.04 | RMS      | 36.80      | -20.74 | 1.23 | -95.23 | 22.90  | -40.00 | -15.04 | Horizontal |  |     |
| 2 | 11044.00 | -53.77 | RMS      | 37.79      | -21.41 | 0.77 | -95.23 | 24.31  | -40.00 | -13.77 | Horizontal |  |     |
| 3 | 14725.00 | -50.28 | RMS      | 41.35      | -22.54 | 0.69 | -95.23 | 25.45  | -40.00 | -10.28 | Horizontal |  |     |



Site : 03CH21-HY

Condition: -40 1m BBHA9170\_1223\_240624 Vertical

: SA n48 20M Ch646000 1RB1 BPSK

|   | Freq     | Level  | Detector | Ant Factor | Amp\Cb |      | Filter | EIRPCF | Readin | Limit  | Margin   |  | Pol |
|---|----------|--------|----------|------------|--------|------|--------|--------|--------|--------|----------|--|-----|
|   |          |        |          |            | dB/m   | dB   |        |        |        |        |          |  |     |
|   | MHz      | dBm    |          |            |        |      | dB     | dB     | dBuV   | dBm    | dB       |  |     |
| 1 | 7363.00  | -55.07 | RMS      | 36.80      | -20.74 | 1.23 | -95.23 | 22.87  | -40.00 | -15.07 | Vertical |  |     |
| 2 | 11044.00 | -45.00 | RMS      | 37.79      | -21.41 | 0.77 | -95.23 | 33.08  | -40.00 | -5.00  | Vertical |  |     |
| 3 | 14725.00 | -49.86 | RMS      | 41.35      | -22.54 | 0.69 | -95.23 | 25.87  | -40.00 | -9.86  | Vertical |  |     |

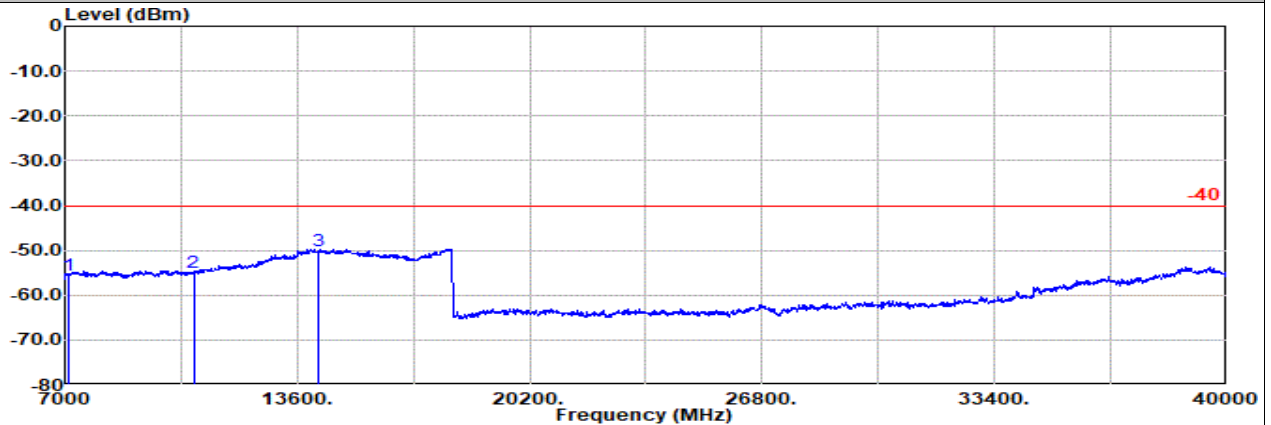


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## Part 96 Mode 5

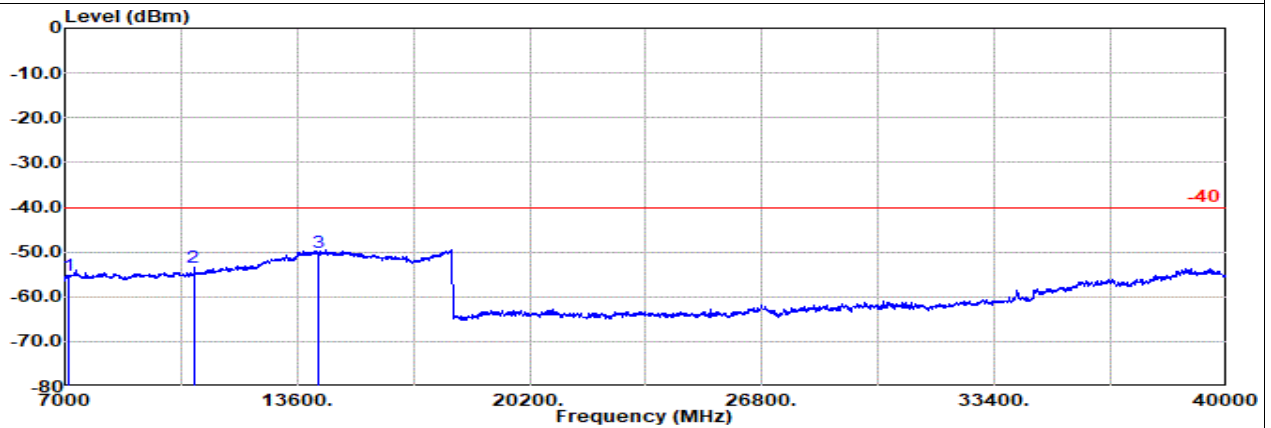
NR SA n48 20M Ch637334 1RB1 QPSK

L



Site : 03CH21-HY  
Condition: -40 1m BBHA9170\_1223\_240624 Horizontal  
: SA n48 20M Ch637334 1RB1 QPSK

|   | Freq<br>MHz | Level<br>dBm | Detector | Ant<br>Factor | Amp\Cb |      | Filter | EIRPCF | Readin<br>g | Limit  | Margin Pol |  |
|---|-------------|--------------|----------|---------------|--------|------|--------|--------|-------------|--------|------------|--|
|   |             |              |          |               | dB/m   | dB   |        |        |             |        |            |  |
| 1 | 7103.00     | -55.46       | RMS      | 36.31         | -20.88 | 1.38 | -95.23 | 22.96  | -40.00      | -15.46 | Horizontal |  |
| 2 | 10654.00    | -54.99       | RMS      | 37.50         | -21.43 | 0.79 | -95.23 | 23.38  | -40.00      | -14.99 | Horizontal |  |
| 3 | 14205.00    | -50.08       | RMS      | 41.20         | -21.96 | 0.76 | -95.23 | 25.15  | -40.00      | -10.08 | Horizontal |  |



Site : 03CH21-HY  
Condition: -40 1m BBHA9170\_1223\_240624 Vertical  
: SA n48 20M Ch637334 1RB1 QPSK

|   | Freq<br>MHz | Level<br>dBm | Detector | Ant<br>Factor | Amp\Cb |      | Filter | EIRPCF | Readin<br>g | Limit  | Margin Pol |  |
|---|-------------|--------------|----------|---------------|--------|------|--------|--------|-------------|--------|------------|--|
|   |             |              |          |               | dB/m   | dB   |        |        |             |        |            |  |
| 1 | 7103.00     | -55.23       | RMS      | 36.31         | -20.88 | 1.38 | -95.23 | 23.19  | -40.00      | -15.23 | Vertical   |  |
| 2 | 10654.00    | -53.43       | RMS      | 37.50         | -21.43 | 0.79 | -95.23 | 24.94  | -40.00      | -13.43 | Vertical   |  |
| 3 | 14205.00    | -50.22       | RMS      | 41.20         | -21.96 | 0.76 | -95.23 | 25.01  | -40.00      | -10.22 | Vertical   |  |

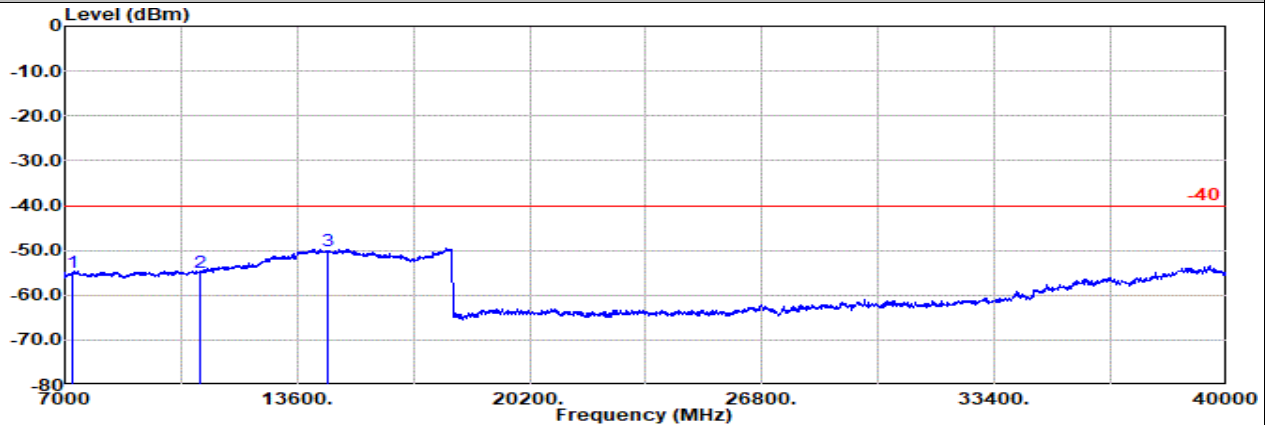


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## Part 96 Mode 5

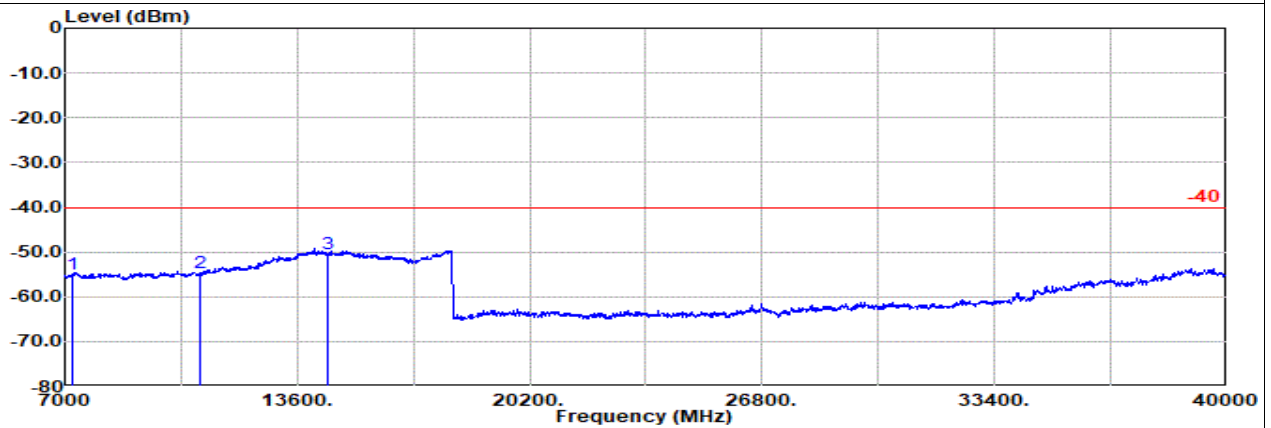
NR SA n48 20M Ch641666 1RB1 QPSK

M



Site : 03CH21-HY  
Condition: -40 1m BBHA9170\_1223\_240624 Horizontal  
: SA n48 20M Ch641666 1RB1 QPSK

|   | Freq     | Level  | Detector | Ant Amp\Cb |       | Filter | EIRPCF | Readin | Limit | Margin Pol |                   |
|---|----------|--------|----------|------------|-------|--------|--------|--------|-------|------------|-------------------|
|   |          |        |          | Factor     | 1     |        |        |        |       |            |                   |
|   | MHz      | dBm    |          |            | dB/m  | dB     | dB     | dB     | dBuV  | dBm        | dB                |
| 1 | 7233.00  | -54.95 | RMS      |            | 36.57 | -20.81 | 1.29   | -95.23 | 23.23 | -40.00     | -14.95 Horizontal |
| 2 | 10849.00 | -54.87 | RMS      |            | 37.50 | -21.41 | 0.78   | -95.23 | 23.49 | -40.00     | -14.87 Horizontal |
| 3 | 14465.00 | -50.08 | RMS      |            | 41.23 | -22.55 | 0.72   | -95.23 | 25.75 | -40.00     | -10.08 Horizontal |



Site : 03CH21-HY  
Condition: -40 1m BBHA9170\_1223\_240624 Vertical  
: SA n48 20M Ch641666 1RB1 QPSK

|   | Freq     | Level  | Detector | Ant Amp\Cb |       | Filter | EIRPCF | Readin | Limit | Margin Pol |                 |
|---|----------|--------|----------|------------|-------|--------|--------|--------|-------|------------|-----------------|
|   |          |        |          | Factor     | 1     |        |        |        |       |            |                 |
|   | MHz      | dBm    |          |            | dB/m  | dB     | dB     | dB     | dBuV  | dBm        | dB              |
| 1 | 7233.00  | -55.06 | RMS      |            | 36.57 | -20.81 | 1.29   | -95.23 | 23.12 | -40.00     | -15.06 Vertical |
| 2 | 10849.00 | -54.64 | RMS      |            | 37.50 | -21.41 | 0.78   | -95.23 | 23.72 | -40.00     | -14.64 Vertical |
| 3 | 14465.00 | -50.42 | RMS      |            | 41.23 | -22.55 | 0.72   | -95.23 | 25.41 | -40.00     | -10.42 Vertical |

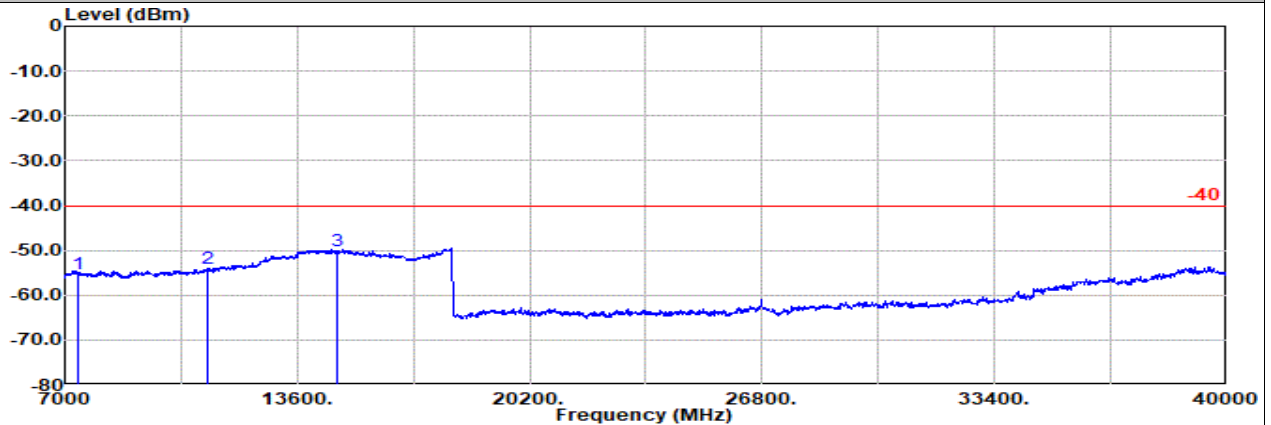


MIMOTx0

## Part 96 Mode 5

NR SA n48 20M Ch646000 1RB1 QPSK

H

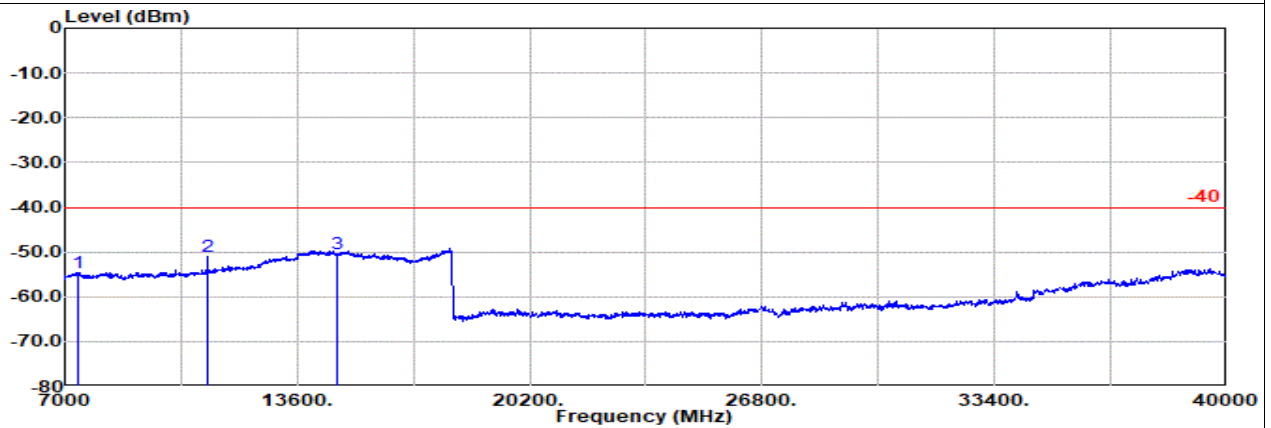


Site : 03CH21-HY

Condition: -40 1m BBHA9170\_1223\_240624 Horizontal

: SA n48 20M Ch646000 1RB1 QPSK

|   | Freq<br>MHz | Level<br>dBm | Detector | Ant Amp\Cb Filter |        | EIRPCF      | Readin<br>g | Limit<br>dBm | Margin Pol |            |
|---|-------------|--------------|----------|-------------------|--------|-------------|-------------|--------------|------------|------------|
|   |             |              |          | Factor            | 1      |             |             |              |            |            |
| 1 | 7363.00     | -55.12       | RMS      | 36.80             | -20.74 | 1.23 -95.23 | 22.82       | -40.00       | -15.12     | Horizontal |
| 2 | 11044.00    | -54.13       | RMS      | 37.79             | -21.41 | 0.77 -95.23 | 23.95       | -40.00       | -14.13     | Horizontal |
| 3 | 14725.00    | -50.00       | RMS      | 41.35             | -22.54 | 0.69 -95.23 | 25.73       | -40.00       | -10.00     | Horizontal |



Site : 03CH21-HY

Condition: -40 1m BBHA9170\_1223\_240624 Vertical

: SA n48 20M Ch646000 1RB1 QPSK

|   | Freq<br>MHz | Level<br>dBm | Detector | Ant Amp\Cb Filter |        | EIRPCF      | Readin<br>g | Limit<br>dBm | Margin Pol |          |
|---|-------------|--------------|----------|-------------------|--------|-------------|-------------|--------------|------------|----------|
|   |             |              |          | Factor            | 1      |             |             |              |            |          |
| 1 | 7363.00     | -54.73       | RMS      | 36.80             | -20.74 | 1.23 -95.23 | 23.21       | -40.00       | -14.73     | Vertical |
| 2 | 11044.00    | -50.94       | RMS      | 37.79             | -21.41 | 0.77 -95.23 | 27.14       | -40.00       | -10.94     | Vertical |
| 3 | 14725.00    | -50.51       | RMS      | 41.35             | -22.54 | 0.69 -95.23 | 25.22       | -40.00       | -10.51     | Vertical |

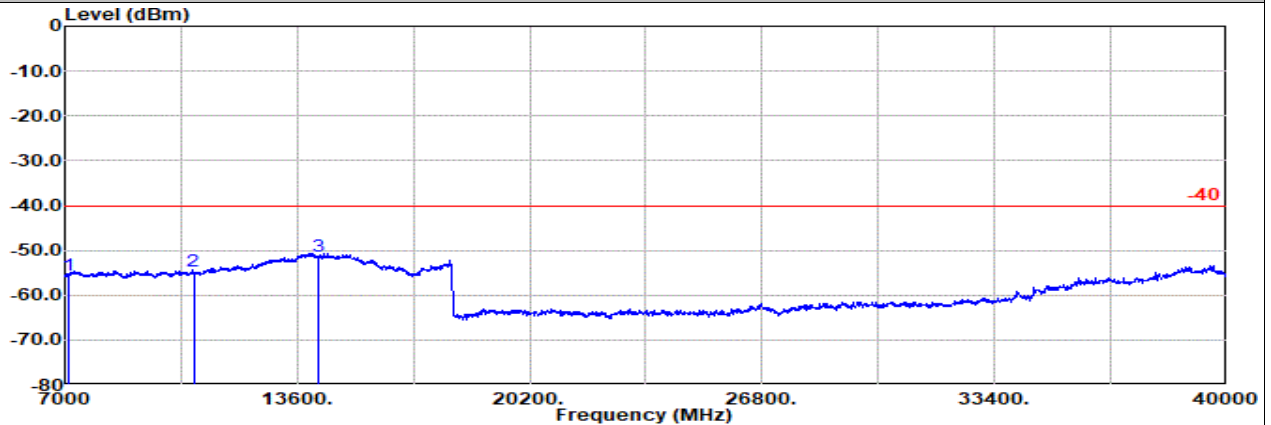


MIMOTx1

## Part 96 Mode 6

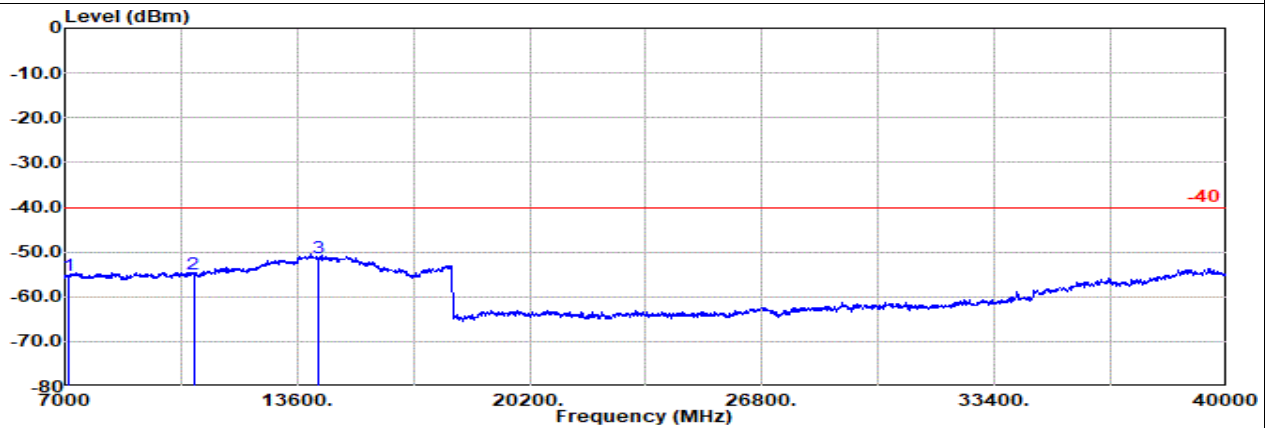
NR SA n48 20M Ch637334 1RB1 QPSK

L



Site : 03CH21-HY  
Condition: -40 1m BBHA9170\_1223\_240624 Horizontal  
: SA n48 20M Ch637334 1RB1 QPSK

|   | Freq<br>MHz | Level<br>dBm | Detector | Ant<br>Factor | Amp\Cb Filter |      | EIRPCF | Readin<br>g | Limit  | Margin Pol |            |
|---|-------------|--------------|----------|---------------|---------------|------|--------|-------------|--------|------------|------------|
|   |             |              |          |               | dB/m          | dB   | dB     |             |        |            |            |
| 1 | 7103.00     | -55.44       | RMS      | 36.31         | -20.88        | 1.38 | -95.23 | 22.98       | -40.00 | -15.44     | Horizontal |
| 2 | 10654.00    | -54.79       | RMS      | 37.50         | -21.43        | 0.79 | -95.23 | 23.58       | -40.00 | -14.79     | Horizontal |
| 3 | 14205.00    | -51.28       | RMS      | 41.20         | -21.96        | 0.76 | -95.23 | 23.95       | -40.00 | -11.28     | Horizontal |



Site : 03CH21-HY  
Condition: -40 1m BBHA9170\_1223\_240624 Vertical  
: SA n48 20M Ch637334 1RB1 QPSK

|   | Freq<br>MHz | Level<br>dBm | Detector | Ant<br>Factor | Amp\Cb Filter |      | EIRPCF | Readin<br>g | Limit  | Margin Pol |          |
|---|-------------|--------------|----------|---------------|---------------|------|--------|-------------|--------|------------|----------|
|   |             |              |          |               | dB/m          | dB   | dB     |             |        |            |          |
| 1 | 7103.00     | -55.18       | RMS      | 36.31         | -20.88        | 1.38 | -95.23 | 23.24       | -40.00 | -15.18     | Vertical |
| 2 | 10654.00    | -54.81       | RMS      | 37.50         | -21.43        | 0.79 | -95.23 | 23.56       | -40.00 | -14.81     | Vertical |
| 3 | 14205.00    | -51.20       | RMS      | 41.20         | -21.96        | 0.76 | -95.23 | 24.03       | -40.00 | -11.20     | Vertical |

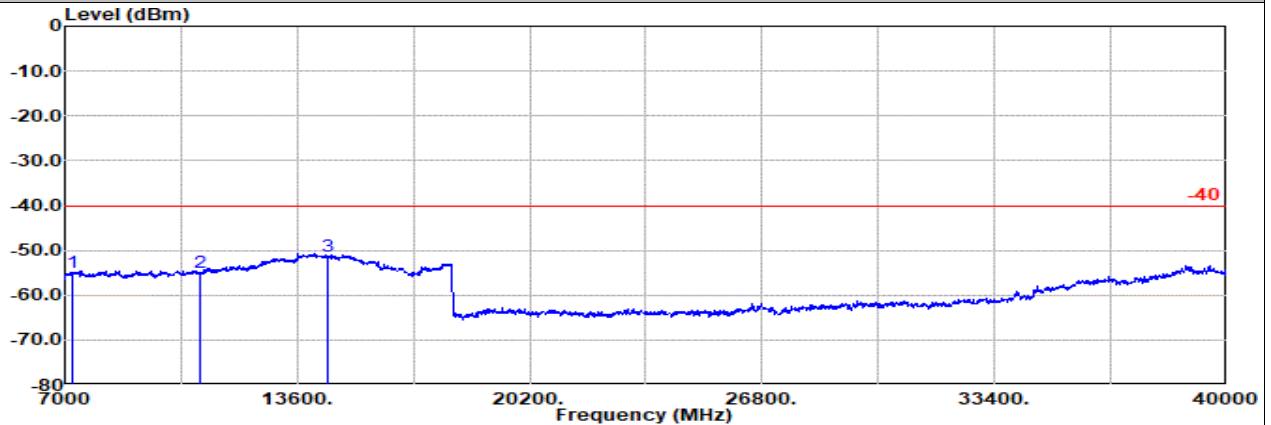


MIMOTx1

## Part 96 Mode 6

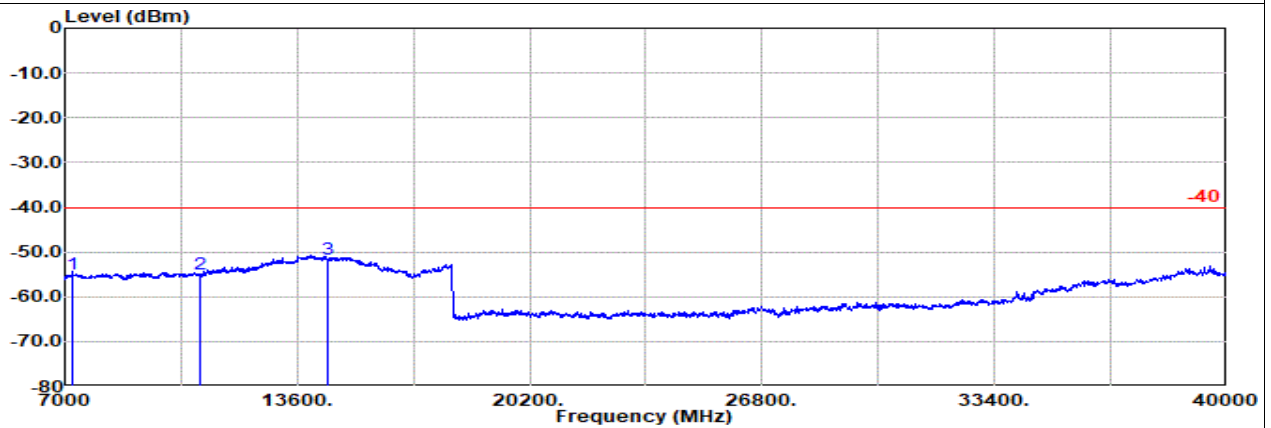
NR SA n48 20M Ch641666 1RB1 QPSK

M



Site : 03CH21-HY  
Condition: -40 1m BBHA9170\_1223\_240624 Horizontal  
: SA n48 20M Ch641666 1RB1 QPSK

|   | Freq<br>MHz | Level<br>dBm | Detector | Ant Amp\Cb Filter |   | EIRPCF | Readin<br>g | Limit |  | Margin | Pol |
|---|-------------|--------------|----------|-------------------|---|--------|-------------|-------|--|--------|-----|
|   |             |              |          | Factor            | 1 |        |             |       |  |        |     |
|   |             |              |          |                   |   |        |             |       |  |        |     |
| 1 | 7233.00     | -54.96       | RMS      |                   |   |        |             |       |  |        |     |
| 2 | 10849.00    | -55.01       | RMS      |                   |   |        |             |       |  |        |     |
| 3 | 14465.00    | -51.34       | RMS      |                   |   |        |             |       |  |        |     |



Site : 03CH21-HY  
Condition: -40 1m BBHA9170\_1223\_240624 Vertical  
: SA n48 20M Ch641666 1RB1 QPSK

|   | Freq<br>MHz | Level<br>dBm | Detector | Ant Amp\Cb Filter |   | EIRPCF | Readin<br>g | Limit |  | Margin | Pol |
|---|-------------|--------------|----------|-------------------|---|--------|-------------|-------|--|--------|-----|
|   |             |              |          | Factor            | 1 |        |             |       |  |        |     |
|   |             |              |          |                   |   |        |             |       |  |        |     |
| 1 | 7233.00     | -55.03       | RMS      |                   |   |        |             |       |  |        |     |
| 2 | 10849.00    | -54.96       | RMS      |                   |   |        |             |       |  |        |     |
| 3 | 14465.00    | -51.48       | RMS      |                   |   |        |             |       |  |        |     |

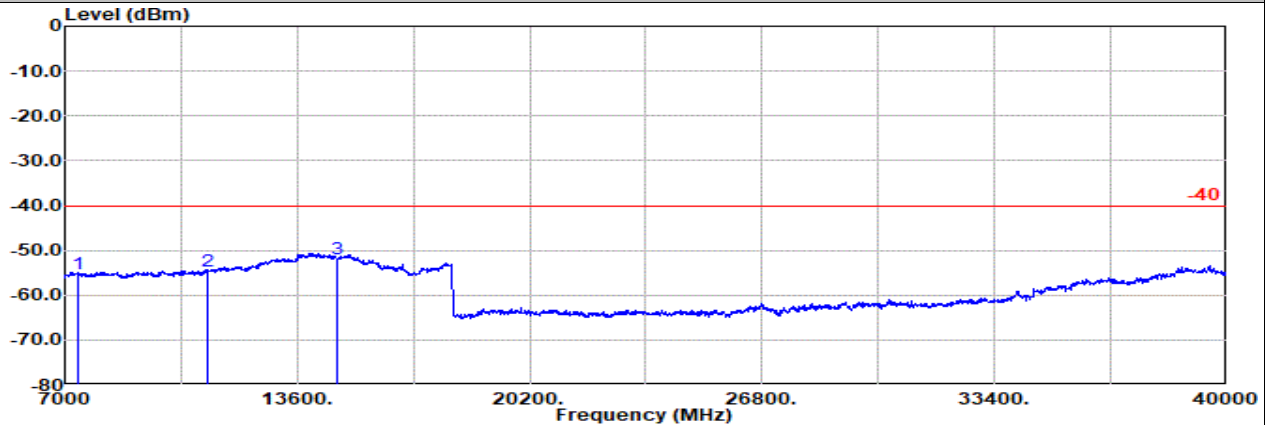


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## Part 96 Mode 6

NR SA n48 20M Ch646000 1RB1 QPSK

H

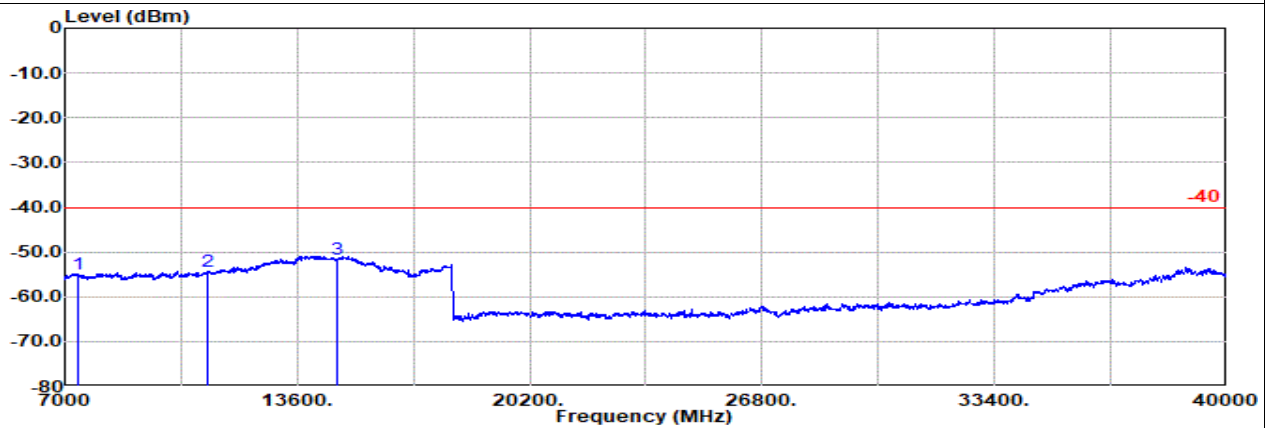


Site : 03CH21-HY

Condition: -40 1m BBHA9170\_1223\_240624 Horizontal

: SA n48 20M Ch646000 1RB1 QPSK

|   | Freq Level |        | Detector | Ant Factor | Amp\Cb Filter 1 |        | EIRPCF | Reading | Limit |        | Margin | Pol        |
|---|------------|--------|----------|------------|-----------------|--------|--------|---------|-------|--------|--------|------------|
|   | MHz        | dBm    |          |            | dB/m            | dB     |        | dB      | dBuV  | dBm    | dB     |            |
| 1 | 7363.00    | -55.16 | RMS      |            | 36.80           | -20.74 | 1.23   | -95.23  | 22.78 | -40.00 | -15.16 | Horizontal |
| 2 | 11044.00   | -54.59 | RMS      |            | 37.79           | -21.41 | 0.77   | -95.23  | 23.49 | -40.00 | -14.59 | Horizontal |
| 3 | 14725.00   | -51.88 | RMS      |            | 41.35           | -22.54 | 0.69   | -95.23  | 23.85 | -40.00 | -11.88 | Horizontal |



Site : 03CH21-HY

Condition: -40 1m BBHA9170\_1223\_240624 Vertical

: SA n48 20M Ch646000 1RB1 QPSK

|   | Freq Level |        | Detector | Ant Factor | Amp\Cb Filter 1 |        | EIRPCF | Reading | Limit |        | Margin | Pol      |
|---|------------|--------|----------|------------|-----------------|--------|--------|---------|-------|--------|--------|----------|
|   | MHz        | dBm    |          |            | dB/m            | dB     |        | dB      | dBuV  | dBm    | dB     |          |
| 1 | 7363.00    | -54.97 | RMS      |            | 36.80           | -20.74 | 1.23   | -95.23  | 22.97 | -40.00 | -14.97 | Vertical |
| 2 | 11044.00   | -54.32 | RMS      |            | 37.79           | -21.41 | 0.77   | -95.23  | 23.76 | -40.00 | -14.32 | Vertical |
| 3 | 14725.00   | -51.73 | RMS      |            | 41.35           | -22.54 | 0.69   | -95.23  | 24.00 | -40.00 | -11.73 | Vertical |

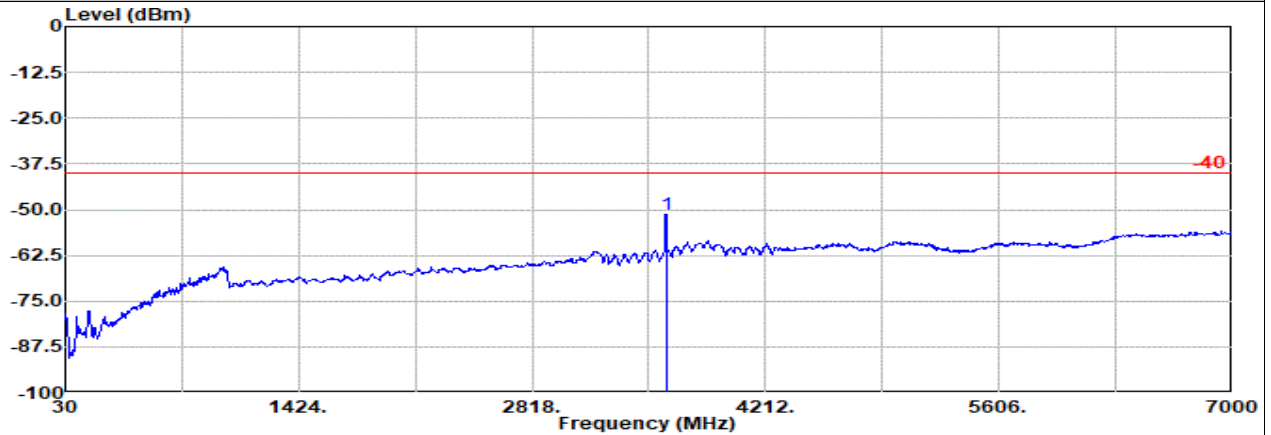


Tx1

## Part 96 Mode 4

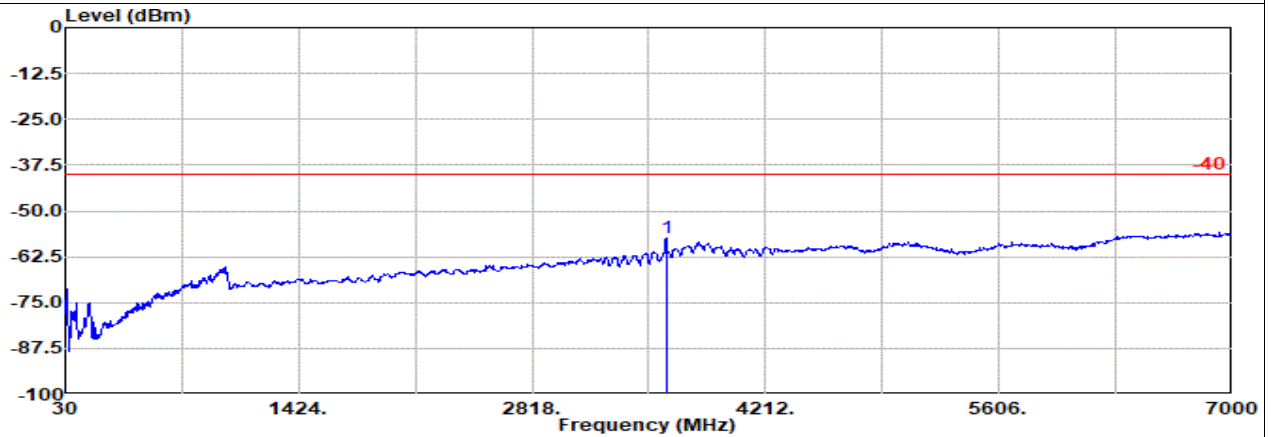
NR SA n48 20M Ch641666 1RB1 BPSK

M



Site : 03CH21-HY  
Condition: -40 3m LF\_63303&001\_241217 Horizontal  
: SA n48 20M Ch641666 1RB1 BPSK  
: #1 is fundamental signal which can be ignored.

|   | Freq Level |        | Detector | Ant Amp\Cb Filter |        | Factor | 1      | Filter | EIRPCF | Readin Limit |            | Margin | Pol |
|---|------------|--------|----------|-------------------|--------|--------|--------|--------|--------|--------------|------------|--------|-----|
|   | MHz        | dBm    |          | dB/m              | dB     |        |        |        |        | dB           | dBuV       |        |     |
| 1 | 3625.00    | -51.43 | RMS      | 29.25             | -22.34 | 1.04   | -95.23 | 35.85  | -40.00 | -11.43       | Horizontal |        |     |



Site : 03CH21-HY  
Condition: -40 3m LF\_63303&001\_241217 Vertical  
: SA n48 20M Ch641666 1RB1 BPSK  
: #1 is fundamental signal which can be ignored.

|   | Freq Level |        | Detector | Ant Amp\Cb Filter |        | Factor | 1      | Filter | EIRPCF | Readin Limit |          | Margin | Pol |
|---|------------|--------|----------|-------------------|--------|--------|--------|--------|--------|--------------|----------|--------|-----|
|   | MHz        | dBm    |          | dB/m              | dB     |        |        |        |        | dB           | dBuV     |        |     |
| 1 | 3625.00    | -57.37 | RMS      | 29.25             | -22.34 | 1.04   | -95.23 | 29.91  | -40.00 | -17.37       | Vertical |        |     |

Remark: #1 is fundamental signal which can be ignored.

————THE END————