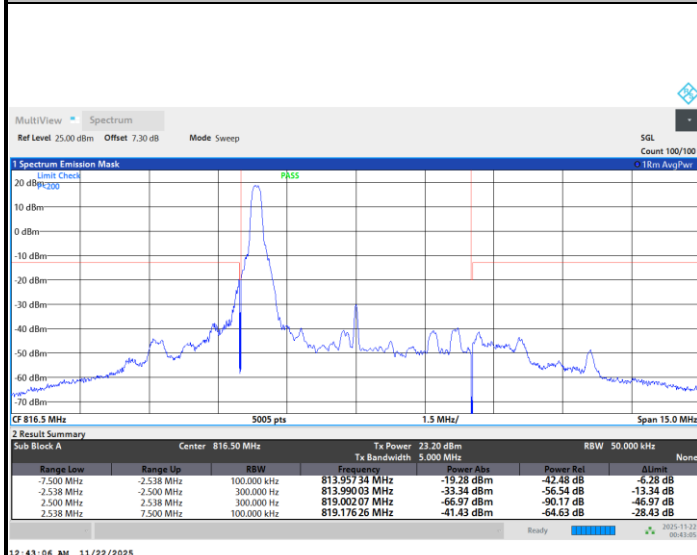




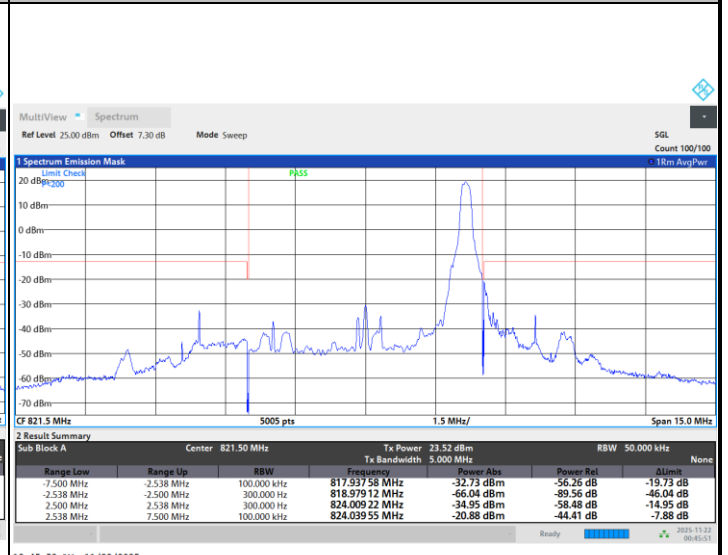
## Emission masks – In-band emissions

FR1 n26 / 5MHz / DFT-S OFDM / PI/2 BPSK

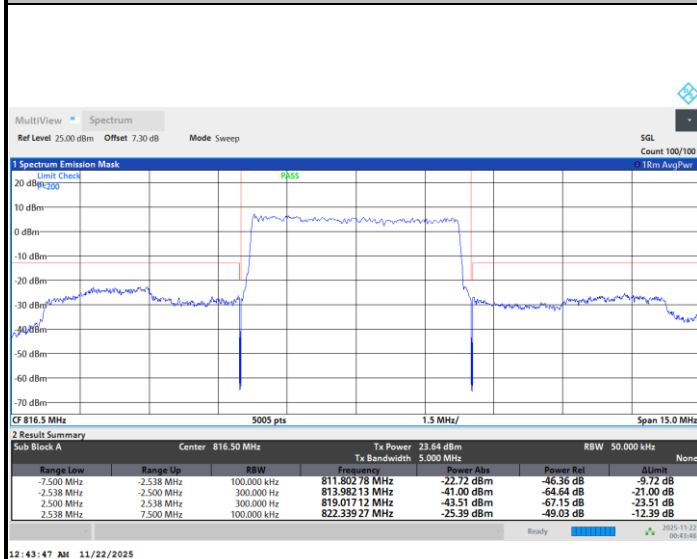
Lowest MASK / 1RB0



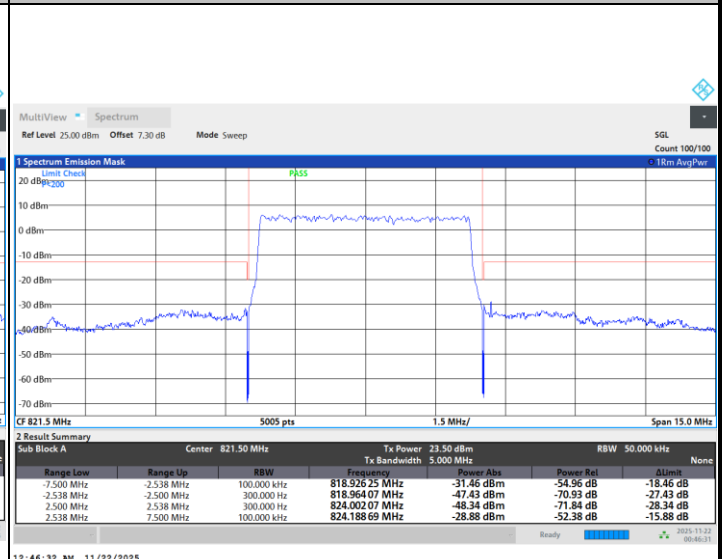
Highest MASK / 1RBmax



Lowest MASK / Full RB



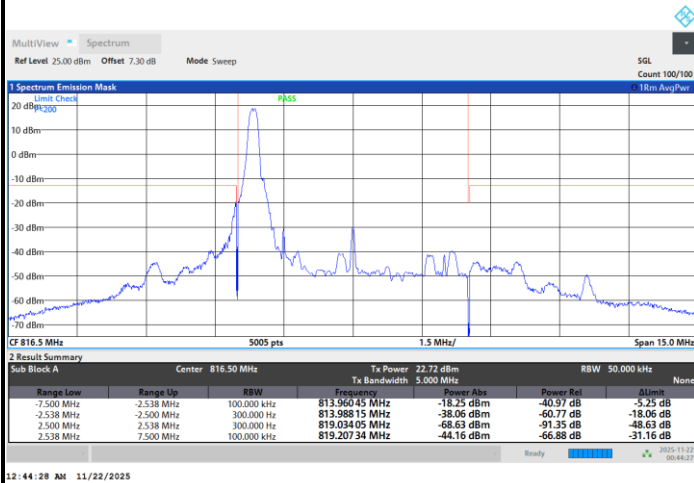
Highest MASK / Full RB



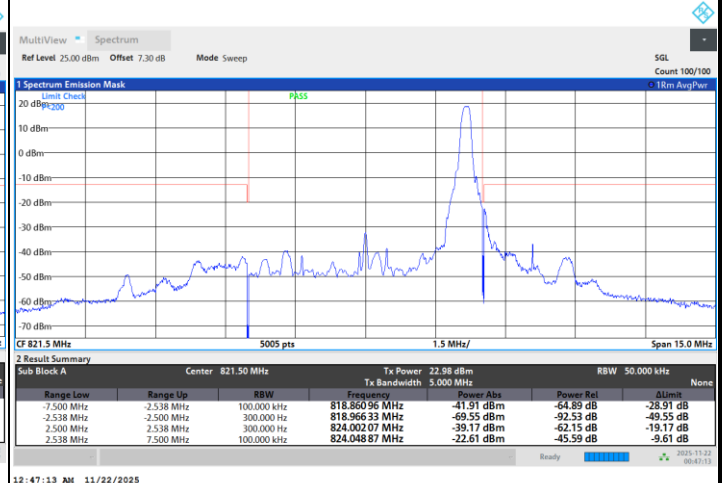


## FR1 n26 / 5MHz / DFT-S OFDM / QPSK

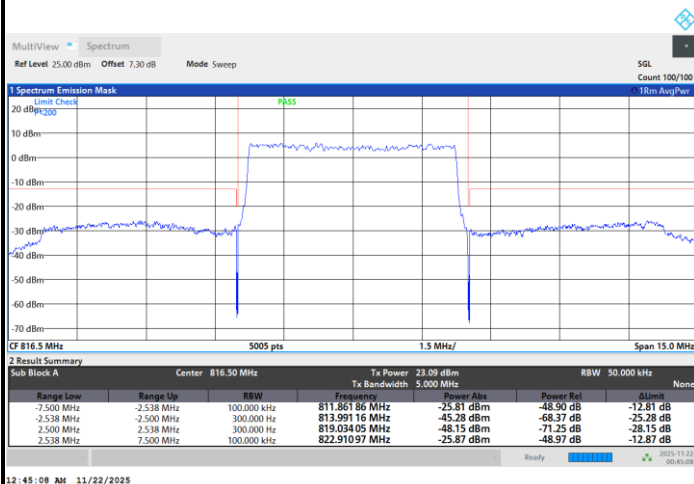
## Lowest MASK / 1RB0



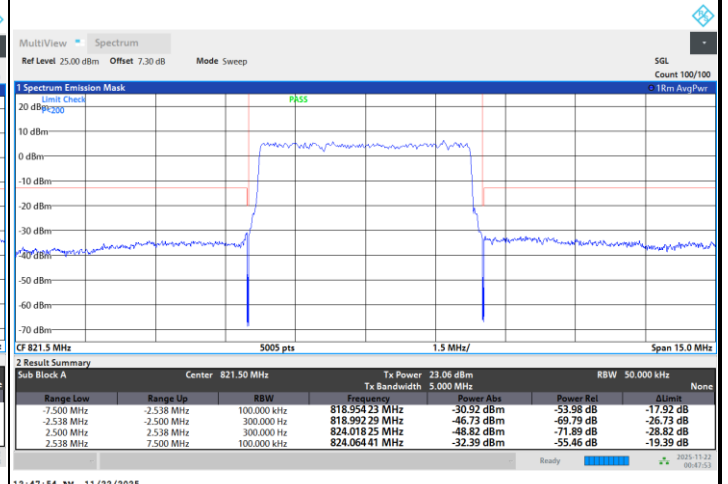
## Highest MASK / 1RBmax



## Lowest MASK / Full RB



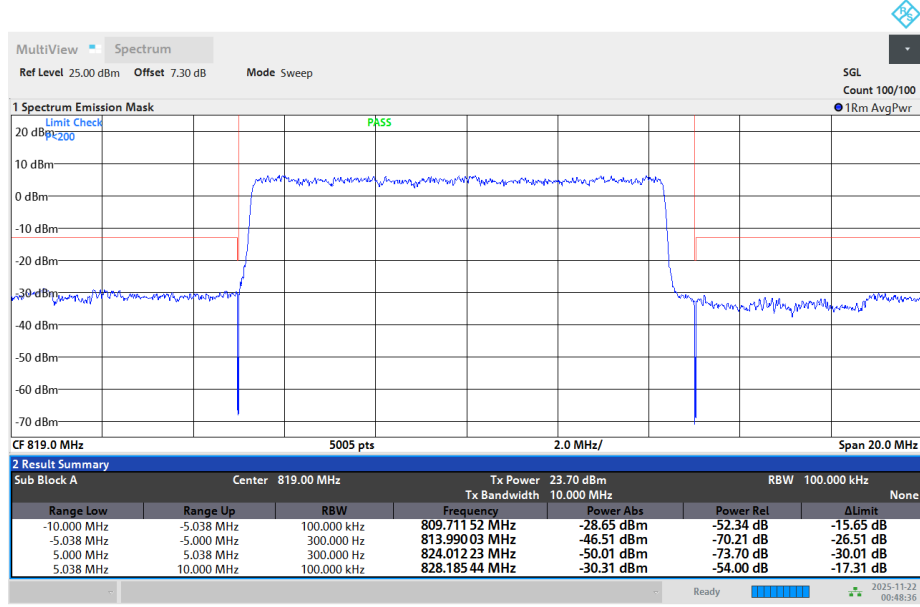
## Highest MASK / Full RB





FR1 n26 / 10MHz / DFT-s-OFDM / PI/2 BPSK

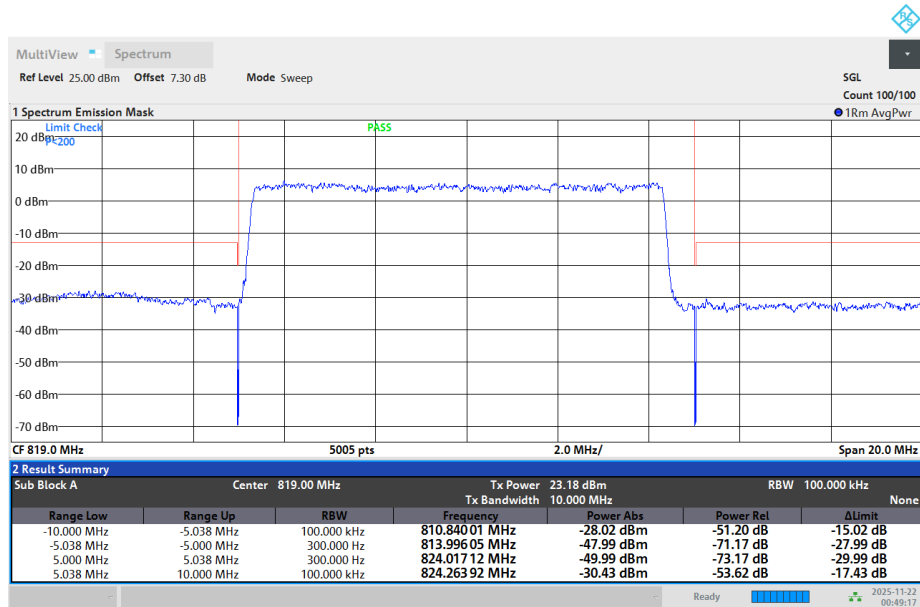
Middle MASK / Full RB



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FR1 n26 / 10MHz / DFT-s-OFDM / QPSK

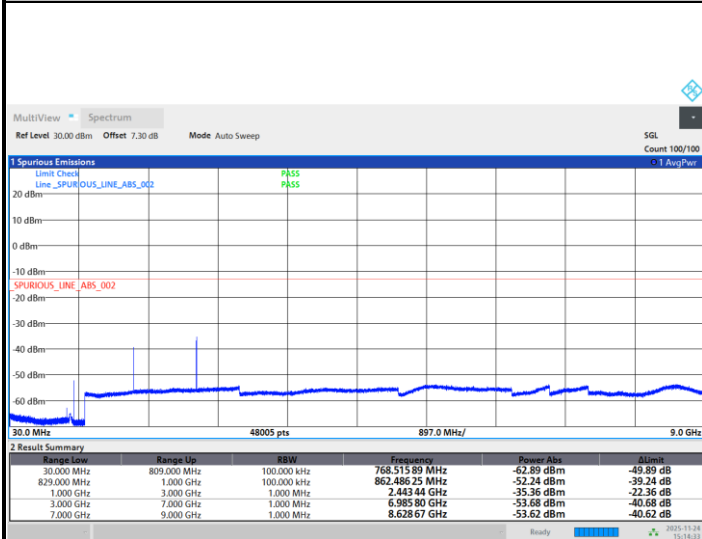
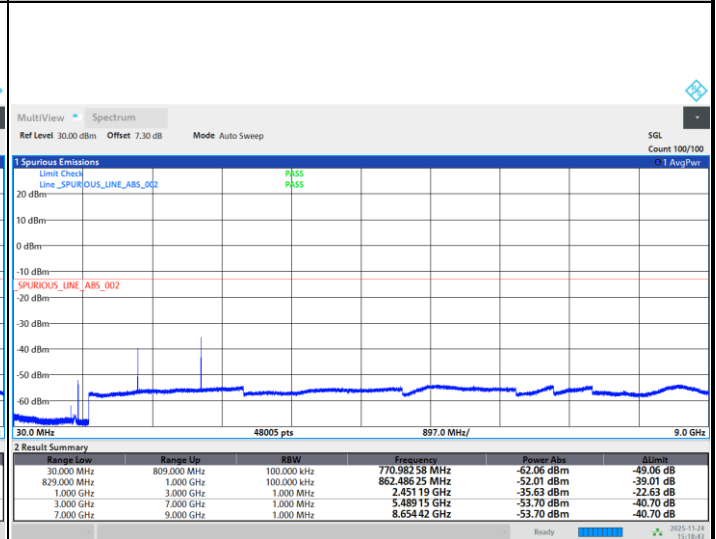
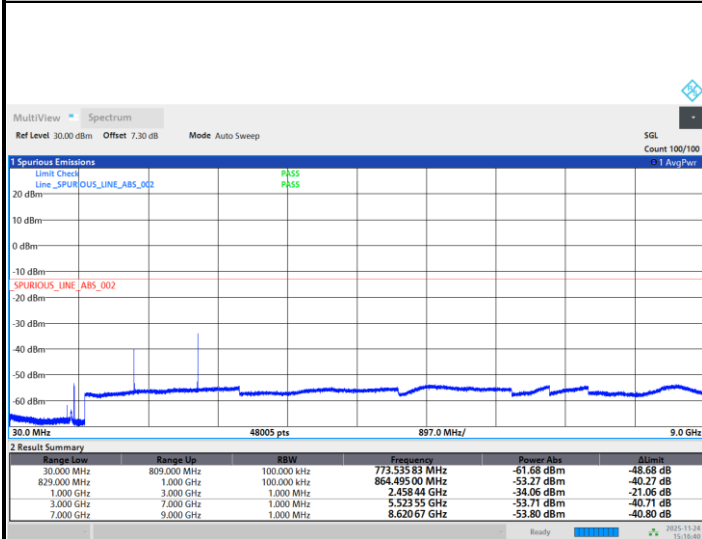
Lowest MASK / Full RB



12:49:18 AM 11/22/2025

**Emission masks – Out of band emissions**

FR1 n26 / 5MHz / DFT-S OFDM / QPSK / 1RB1

**Lowest Channel****Middle Channel****Highest Channel**

## Frequency Stability

| Test Conditions     |                   | FR1 n26 (BPSK) / Middle Channel 10M |                                         |                                             |        |
|---------------------|-------------------|-------------------------------------|-----------------------------------------|---------------------------------------------|--------|
| Temperature<br>(°C) | Voltage<br>(Volt) | Deviation (ppm)                     | Frequency Offset ( $\Delta f$ )<br>(Hz) | Within Authorized<br>Frequency<br>Block(Hz) | Result |
| 50                  | Normal Voltage    | 0.0065                              | -5.3                                    | Yes                                         | PASS   |
| 40                  | Normal Voltage    | 0.0140                              | -11.5                                   | Yes                                         |        |
| 30                  | Normal Voltage    | 0.0084                              | -6.9                                    | Yes                                         |        |
| 20(Ref.)            | Normal Voltage    | 0.0000                              | 0                                       | Yes                                         |        |
| 10                  | Normal Voltage    | 0.0040                              | 3.3                                     | Yes                                         |        |
| 0                   | Normal Voltage    | 0.0096                              | -7.9                                    | Yes                                         |        |
| -10                 | Normal Voltage    | 0.0017                              | -1.4                                    | Yes                                         |        |
| -20                 | Normal Voltage    | 0.0096                              | -7.9                                    | Yes                                         |        |
| -30                 | Normal Voltage    | 0.0155                              | -12.7                                   | Yes                                         |        |
| 20                  | Maximum Voltage   | 0.0057                              | 4.7                                     | Yes                                         |        |
| 20                  | Normal Voltage    | 0.0134                              | -11                                     | Yes                                         |        |
| 20                  | Minimum Voltage   | 0.0000                              | 0                                       | Yes                                         |        |

**Note:**

1. Normal Voltage = 3.9 V. ; Minimum Voltage = 3.6 V. ; Maximum Voltage = 4.4 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.

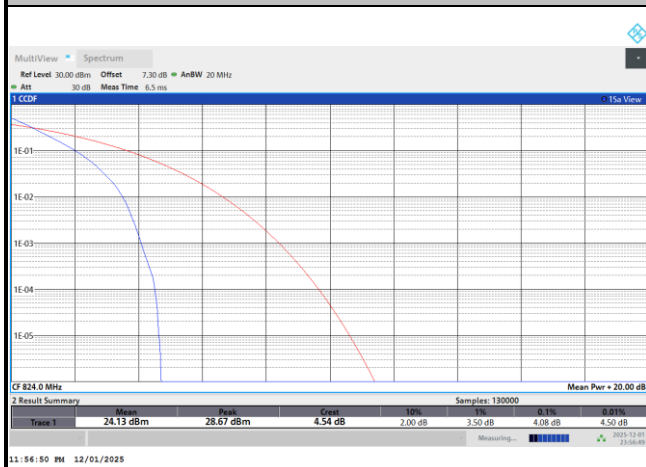
**FR1 n26 Part90s Straddle Channel****<SISO Mode>****Peak-to-Average Ratio**

| Mode      | FR1 n26 / 20MHz / DFT-S OFDM |         |         |         |             |
|-----------|------------------------------|---------|---------|---------|-------------|
| Mod.      | PI/2 BPSK                    | QPSK    | 16QAM   | 64QAM   | Limit: 13dB |
| RB Size   | Full RB                      | Full RB | Full RB | Full RB | Result      |
| Middle CH | 4.08                         | 5.10    | 5.90    | 6.26    | PASS        |
| Mode      | FR1 n26 / 20MHz / DFT-S OFDM |         |         |         |             |
| Mod.      | 256QAM                       |         |         |         | Limit: 13dB |
| RB Size   | Full RB                      |         |         |         | Result      |
| Middle CH | 6.50                         |         |         |         | PASS        |

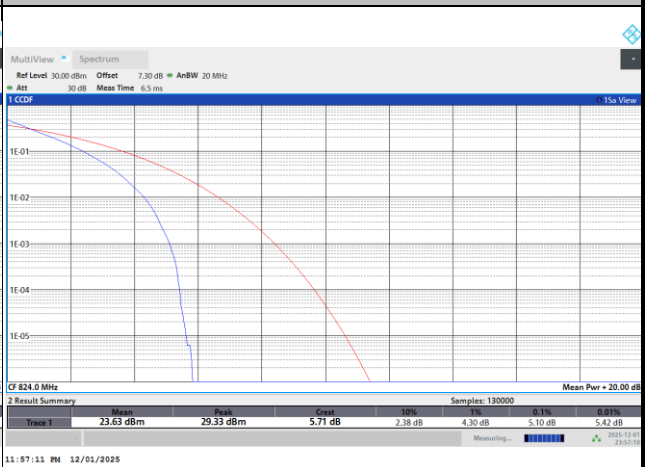


## FR1 n26 / 20MHz / DFT-S OFDM / Middle Channel / Full RB

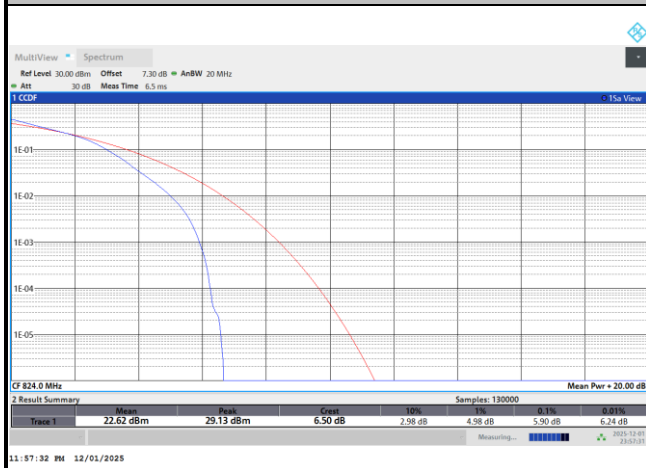
## PI/2 BPSK



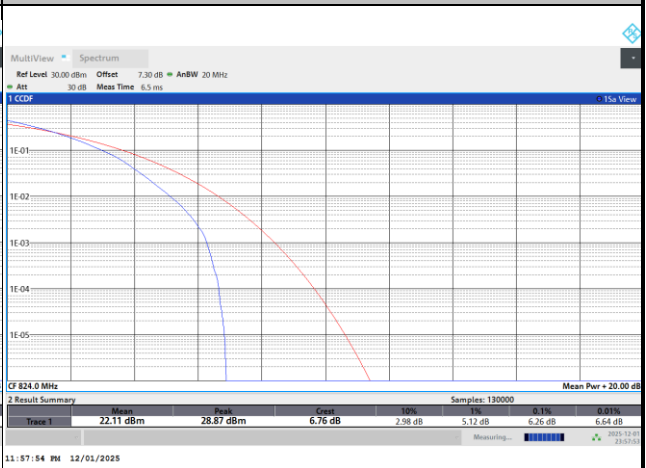
## QPSK



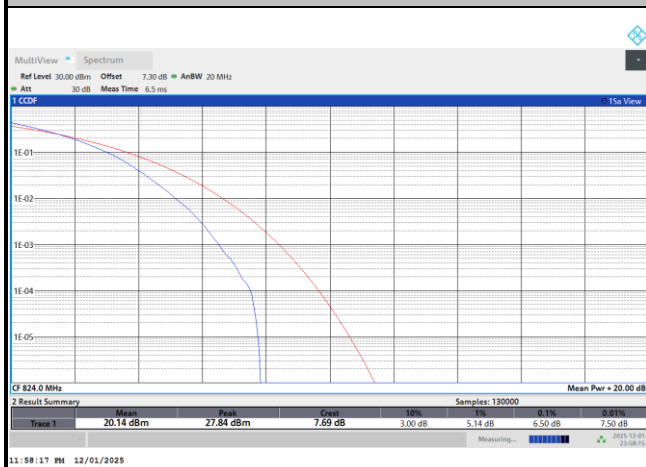
## 16QAM



## 64QAM



## 256QAM



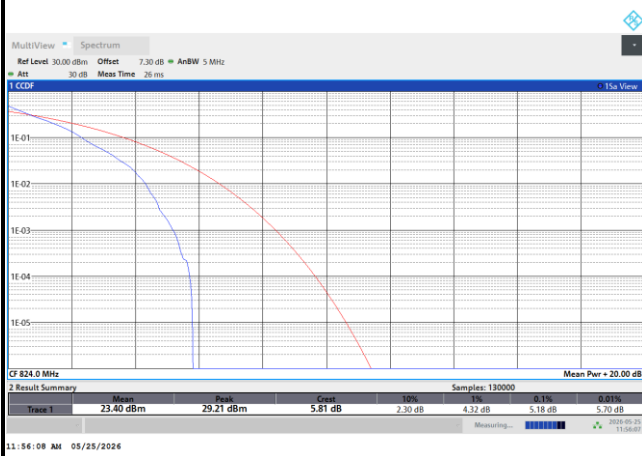


|                  |                                     |                |                    |
|------------------|-------------------------------------|----------------|--------------------|
| <b>Mode</b>      | <b>FR1 n26 / 5MHz / DFT-S OFDM</b>  |                |                    |
| <b>Mod.</b>      | <b>QPSK</b>                         | <b>16QAM</b>   | <b>Limit: 13dB</b> |
| <b>RB Size</b>   | <b>Full RB</b>                      | <b>Full RB</b> | <b>Result</b>      |
| <b>Middle CH</b> | 5.18                                | 5.92           | <b>PASS</b>        |
| <b>Mode</b>      | <b>FR1 n26 / 10MHz / DFT-S OFDM</b> |                |                    |
| <b>Mod.</b>      | <b>QPSK</b>                         | <b>16QAM</b>   | <b>Limit: 13dB</b> |
| <b>RB Size</b>   | <b>Full RB</b>                      | <b>Full RB</b> | <b>Result</b>      |
| <b>Middle CH</b> | 5.18                                | 6.00           | <b>PASS</b>        |
| <b>Mode</b>      | <b>FR1 n26 / 15MHz / DFT-S OFDM</b> |                |                    |
| <b>Mod.</b>      | <b>QPSK</b>                         | <b>16QAM</b>   | <b>Limit: 13dB</b> |
| <b>RB Size</b>   | <b>Full RB</b>                      | <b>Full RB</b> | <b>Result</b>      |
| <b>Middle CH</b> | 5.12                                | 5.86           | <b>PASS</b>        |

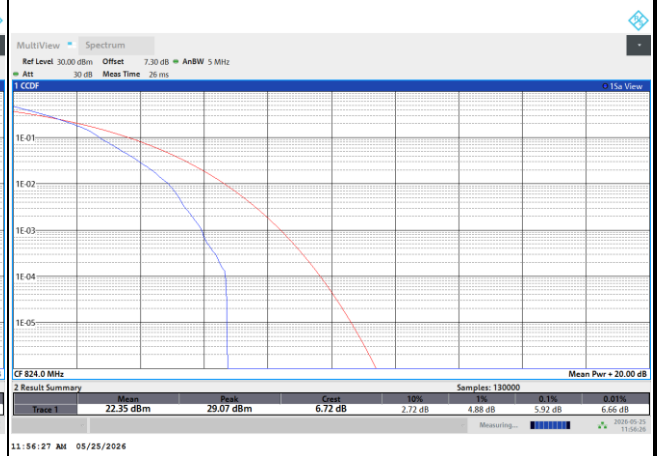


## FR1 n26 / 5MHz / DFTs OFDM / Middle Channel / Full RB

## QPSK

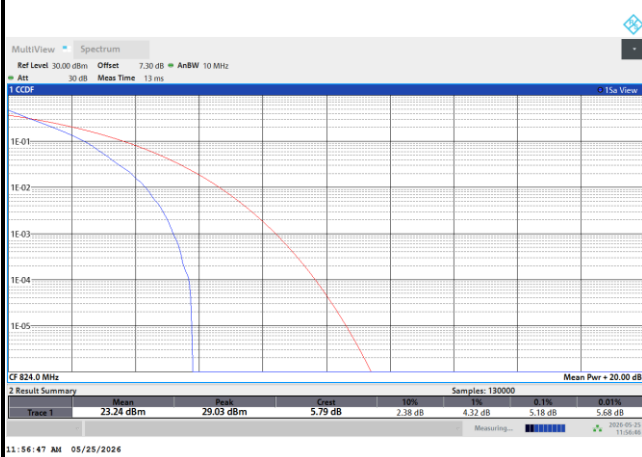


## 16QAM

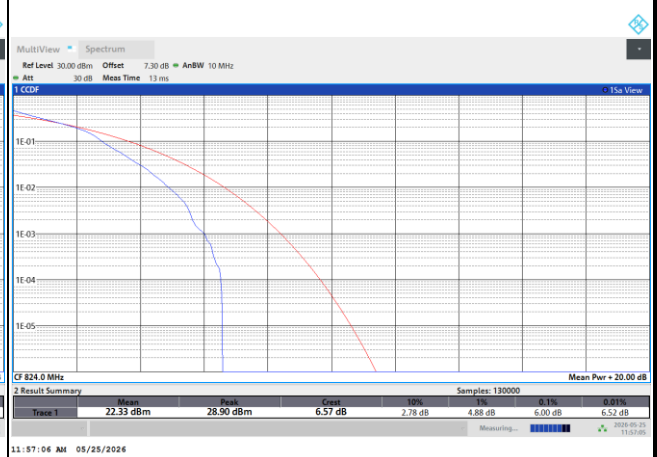


## FR1 n26 / 10MHz / DFTs OFDM / Middle Channel / Full RB

## QPSK

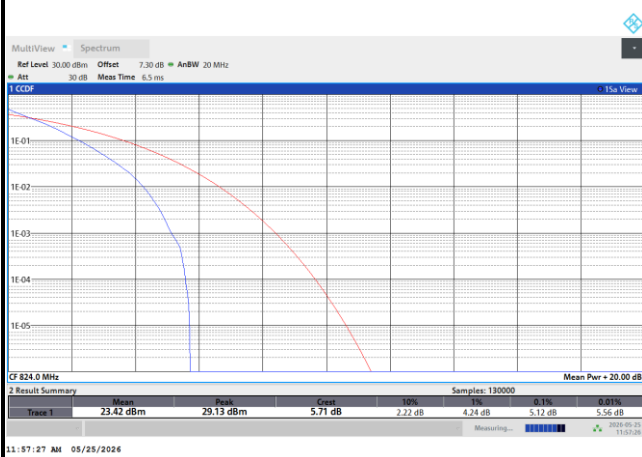


## 16QAM

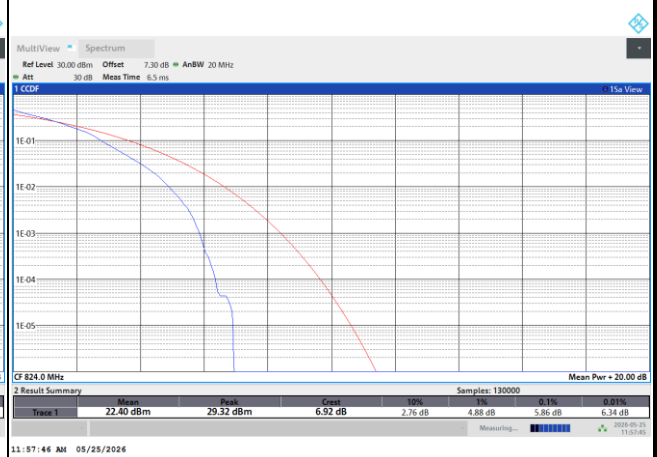


## FR1 n26 / 15MHz / DFTs OFDM / Middle Channel / Full RB

## QPSK



## 16QAM



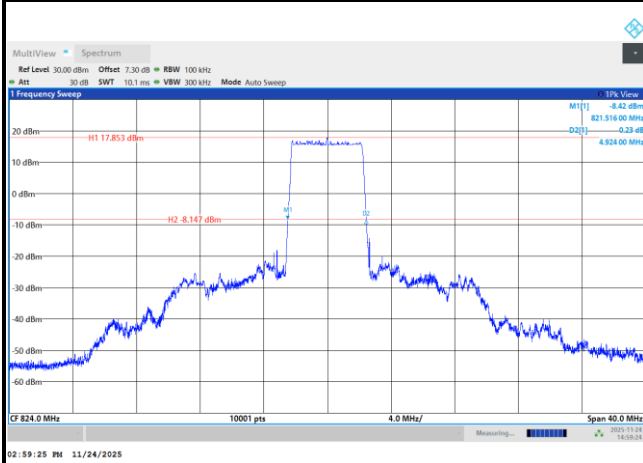
**26dB Bandwidth**

| Mode      | FR1 n26 : 26dB BW(MHz) / DFT-S OFDM |      |           |      |           |       |           |       |
|-----------|-------------------------------------|------|-----------|------|-----------|-------|-----------|-------|
| BW        | 5MHz                                |      | 10MHz     |      | 15MHz     |       | 20MHz     |       |
| Mod.      | PI/2 BPSK                           | QPSK | PI/2 BPSK | QPSK | PI/2 BPSK | QPSK  | PI/2 BPSK | QPSK  |
| Middle CH | 4.92                                | 5.30 | 9.60      | 9.53 | 14.28     | 14.80 | 19.16     | 19.13 |
| Mod.      | 16QAM                               |      | 16QAM     |      | 16QAM     |       | 16QAM     |       |
| Middle CH | 4.90                                |      | 9.53      |      | 15.25     |       | 19.14     |       |

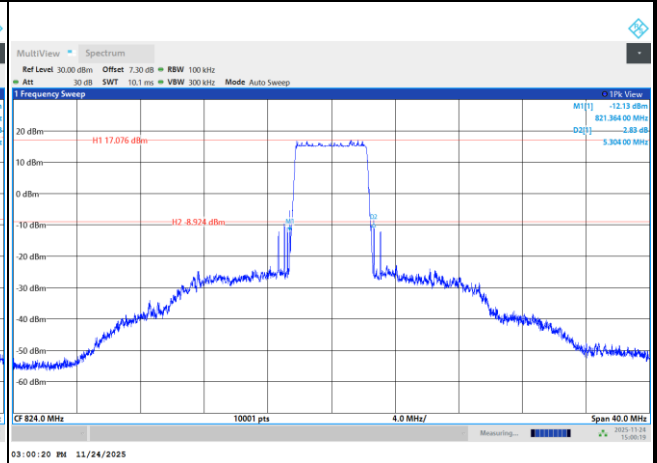


FR1 n26 / 5MHz / DFT-S OFDM / Middle Channel / Full RB

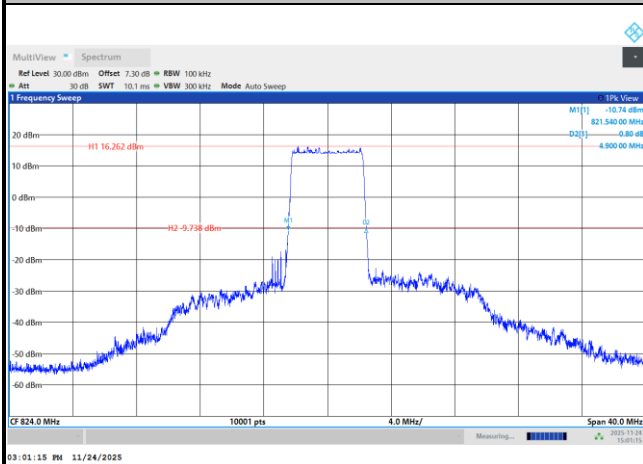
PI/2 BPSK



QPSK



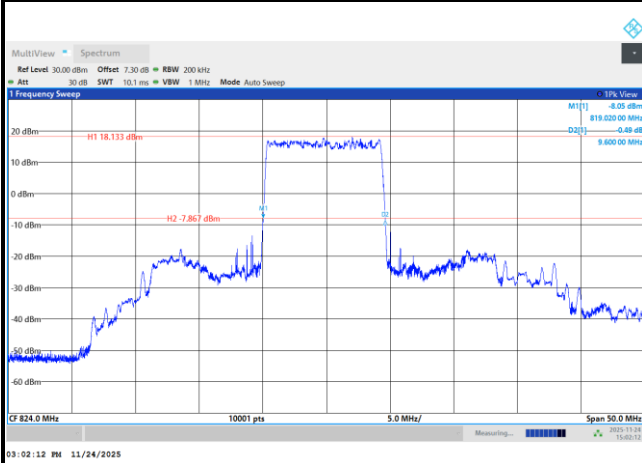
16QAM



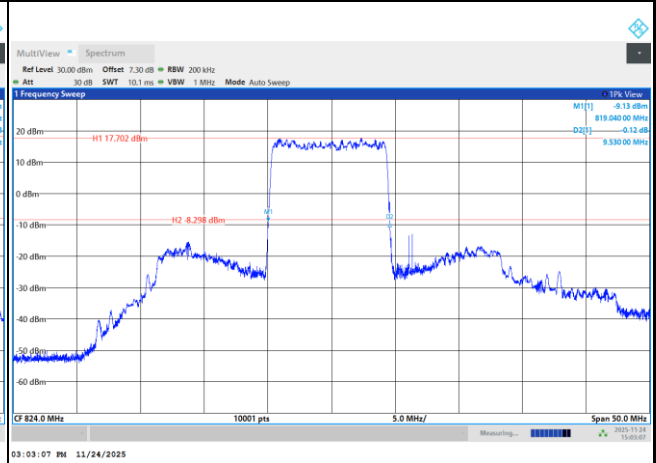


FR1 n26 / 10MHz / DFT-S OFDM / Middle Channel / Full RB

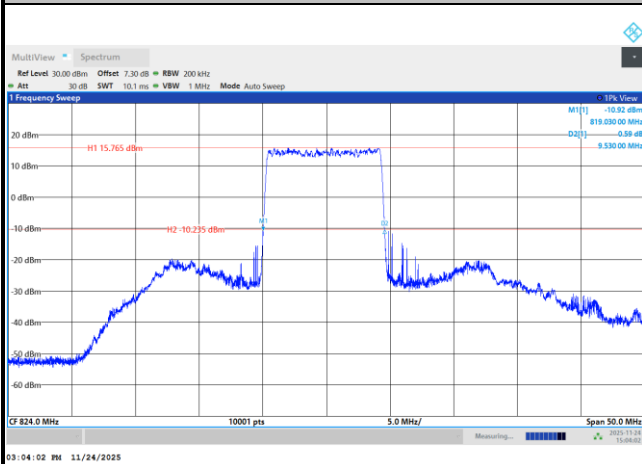
PI/2 BPSK



QPSK



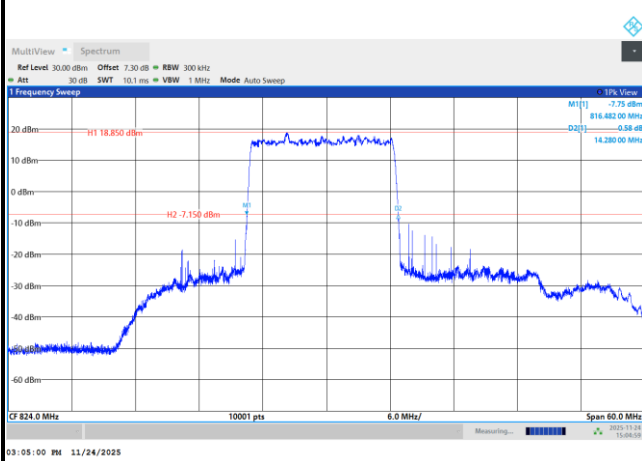
16QAM



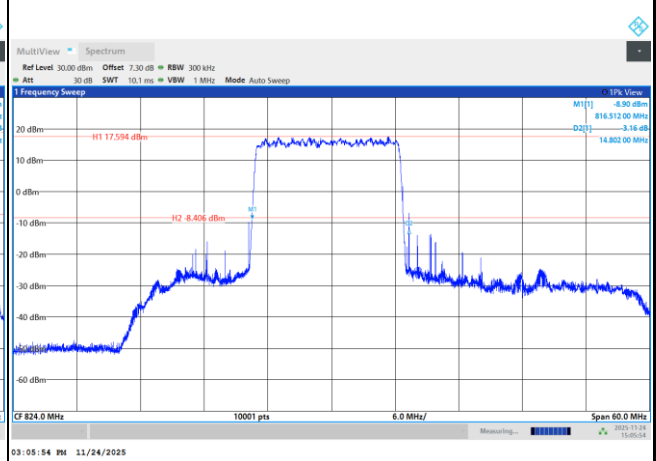


FR1 n26 / 15MHz / DFT-S OFDM / Middle Channel / Full RB

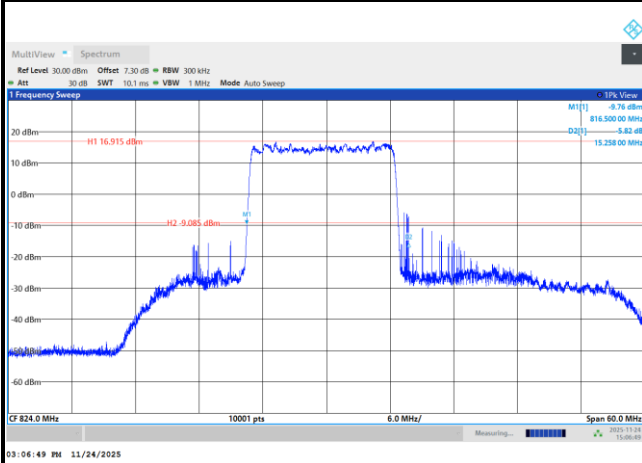
PI/2 BPSK



QPSK



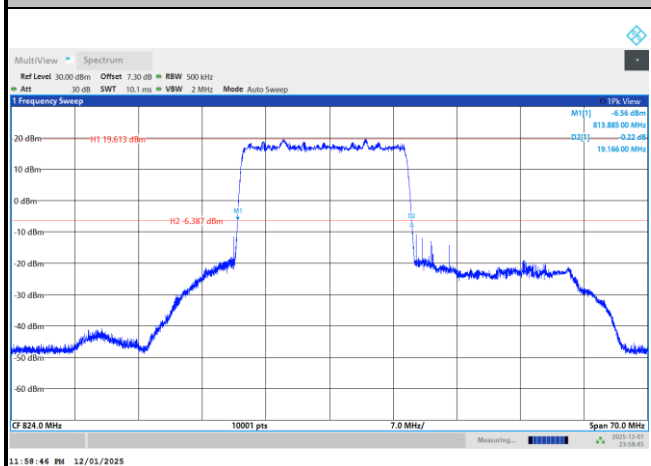
16QAM



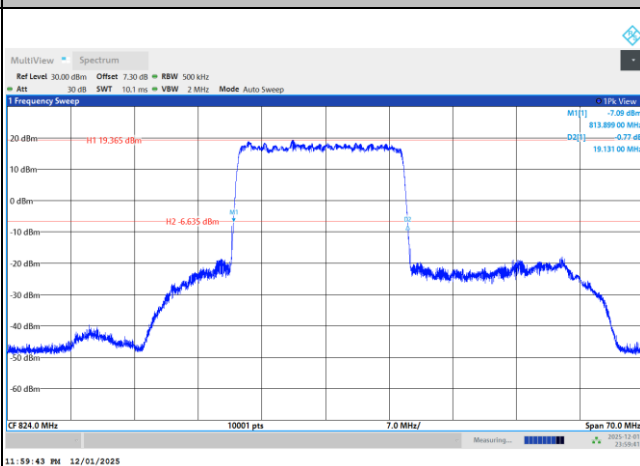


## FR1 n26 / 20MHz / DFT-S OFDM / Middle Channel / Full RB

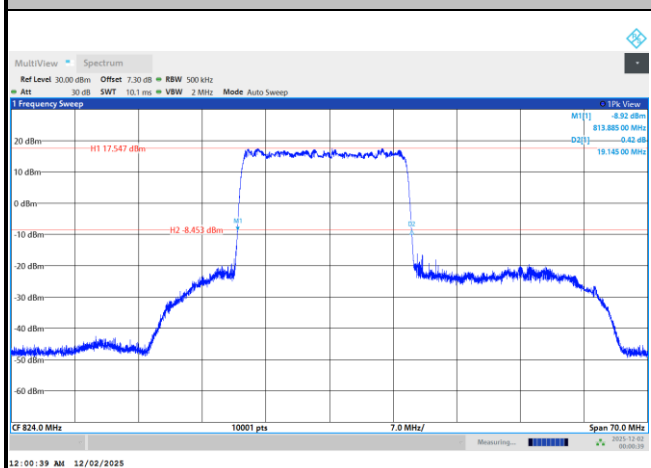
## PI/2 BPSK



## QPSK



## 16QAM



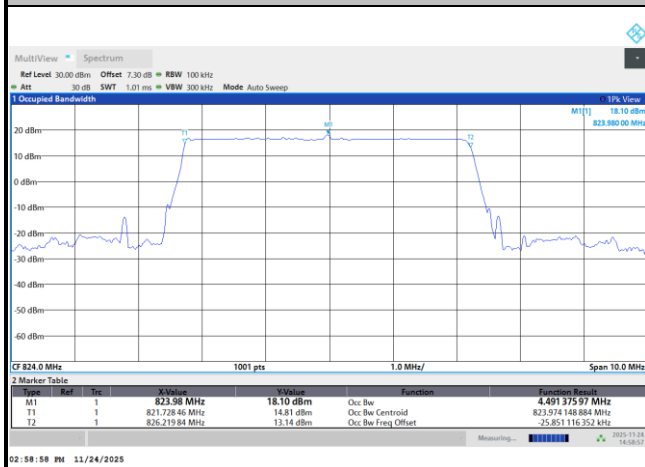
**Occupied Bandwidth**

| Mode      | FR1 n26 : 99%OBW(MHz) / DFT-S OFDM |      |           |      |           |       |           |       |
|-----------|------------------------------------|------|-----------|------|-----------|-------|-----------|-------|
| BW        | 5MHz                               |      | 10MHz     |      | 15MHz     |       | 20MHz     |       |
| Mod.      | PI/2 BPSK                          | QPSK | PI/2 BPSK | QPSK | PI/2 BPSK | QPSK  | PI/2 BPSK | QPSK  |
| Middle CH | 4.49                               | 4.51 | 9.01      | 8.96 | 13.47     | 13.47 | 18.01     | 17.97 |
| Mod.      | 16QAM                              |      | 16QAM     |      | 16QAM     |       | 16QAM     |       |
| Middle CH | 4.48                               |      | 8.96      |      | 13.46     |       | 17.97     |       |

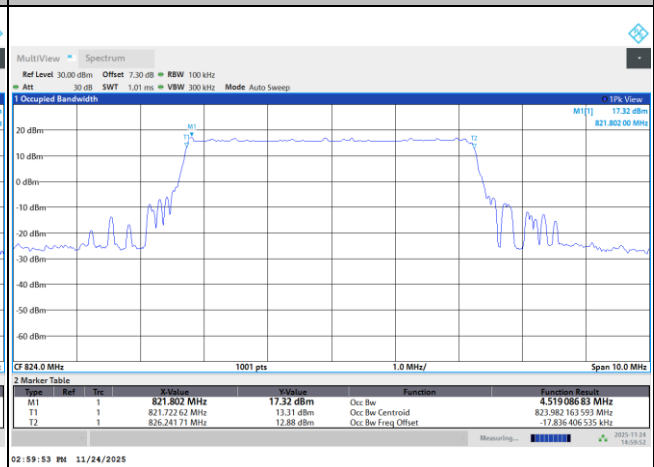


## FR1 n26 / 5MHz / DFT-S OFDM / Middle Channel / Full RB

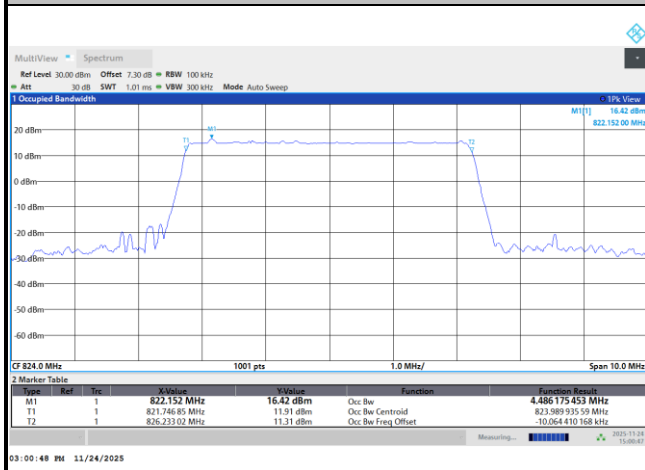
## PI/2 BPSK



## QPSK



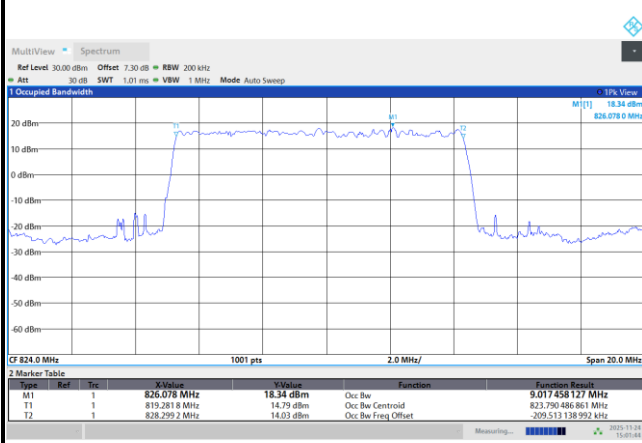
## 16QAM





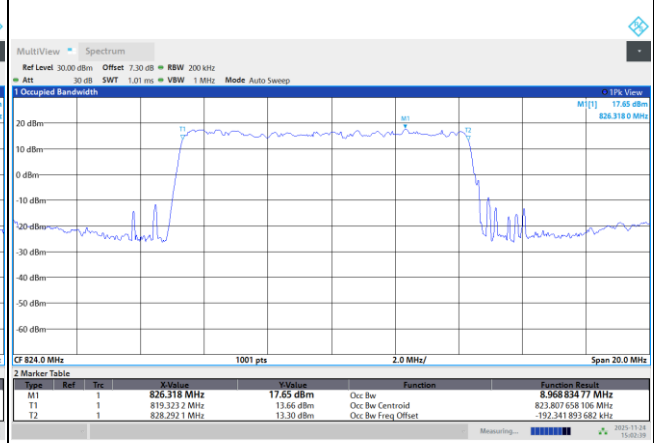
## FR1 n26 / 10MHz / DFT-S OFDM / Middle Channel / Full RB

## PI/2 BPSK



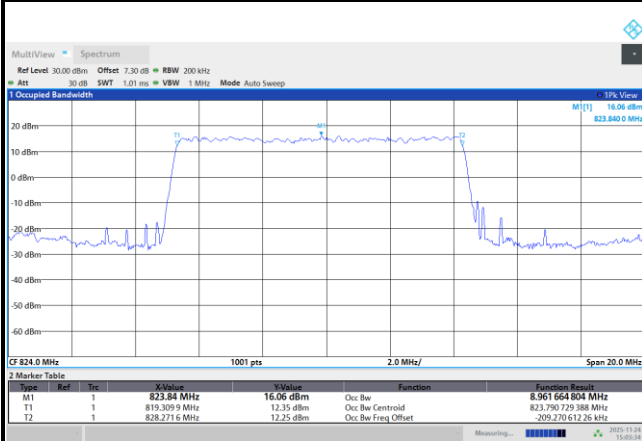
03:01:45 PM 11/24/2025

## QPSK



03:02:40 PM 11/24/2025

## 16QAM

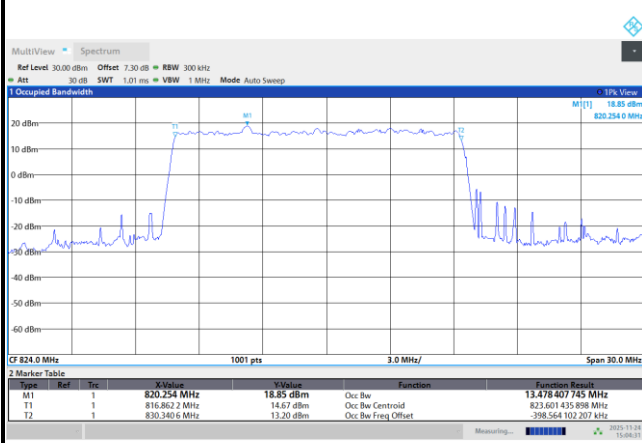


03:03:35 PM 11/24/2025

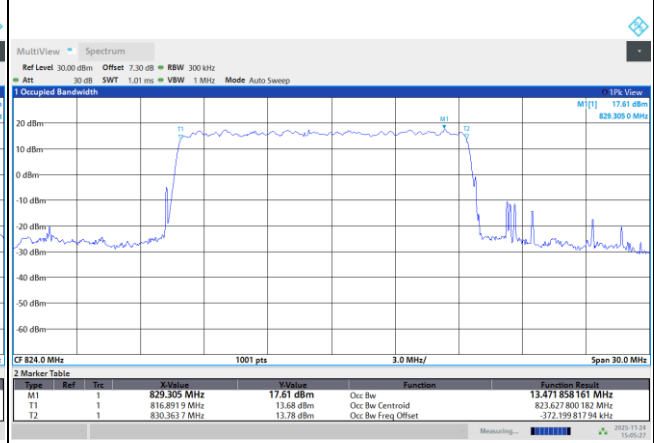


## FR1 n26 / 15MHz / DFT-S OFDM / Middle Channel / Full RB

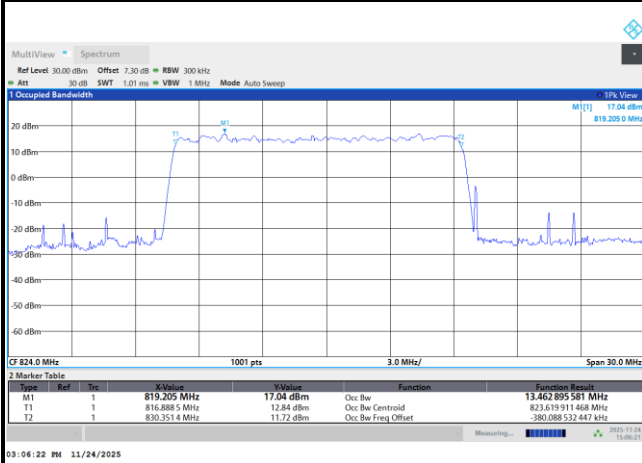
## PI/2 BPSK



## QPSK



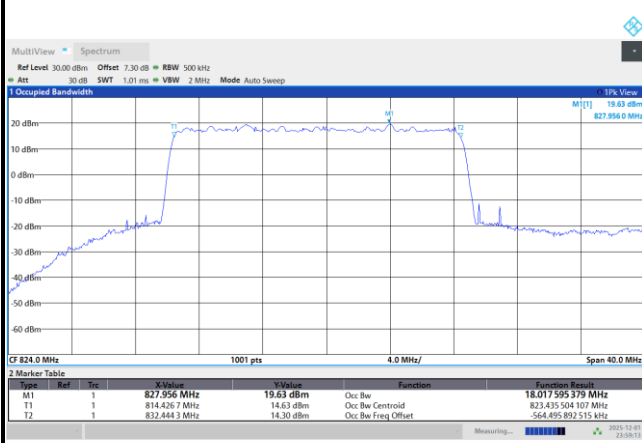
## 16QAM





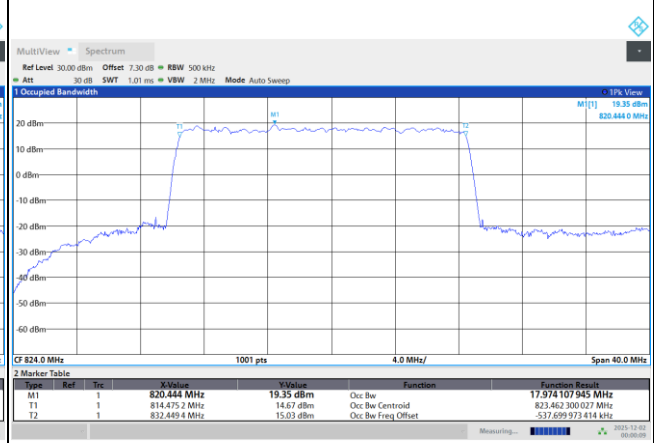
## FR1 n26 / 20MHz / DFT-S OFDM / Middle Channel / Full RB

## PI/2 BPSK



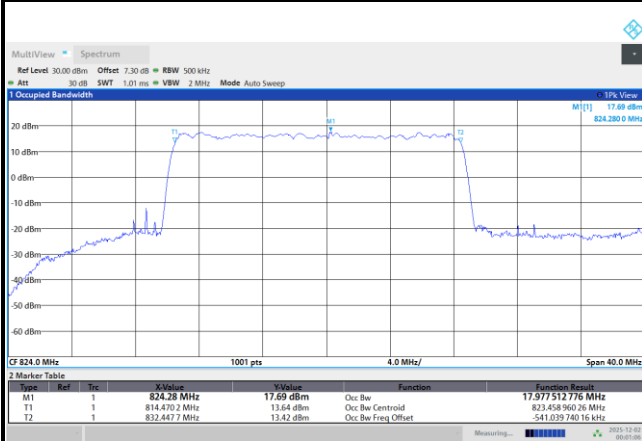
11:59:14 PM 12/01/2025

## QPSK



12:00:11 AM 12/02/2025

## 16QAM



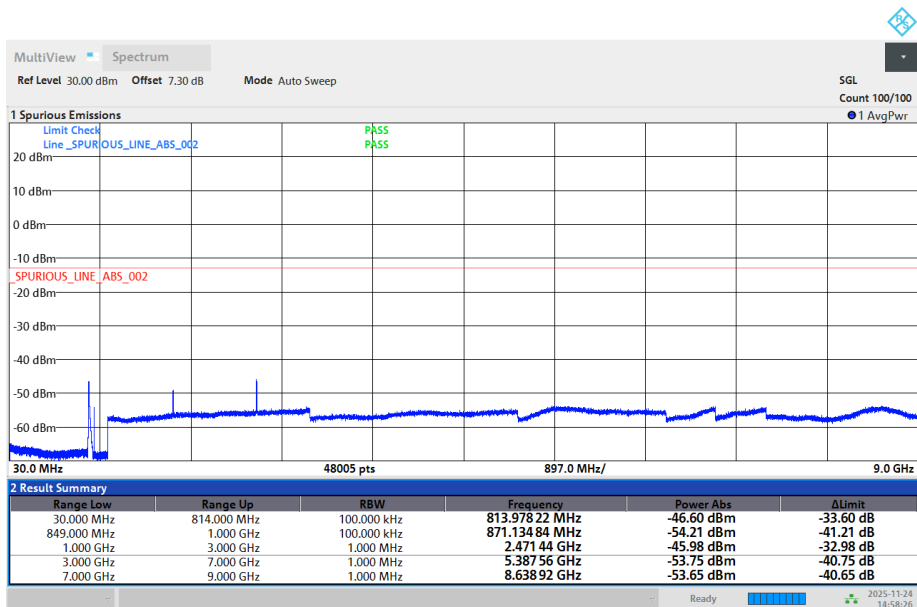
12:01:04 AM 12/02/2025



## Emission masks – Out of band emissions

FR1 n26 / 5MHz / DFT-S OFDM / QPSK / 1RB1

Middle MASK / Full RB



02:58:27 PM 11/24/2025

## Frequency Stability

| Test Conditions     |                   | FR1 n26 (BPSK) / Middle Channel 10M |                                         |                                             |        |
|---------------------|-------------------|-------------------------------------|-----------------------------------------|---------------------------------------------|--------|
| Temperature<br>(°C) | Voltage<br>(Volt) | Deviation (ppm)                     | Frequency Offset ( $\Delta f$ )<br>(Hz) | Within Authorized<br>Frequency<br>Block(Hz) | Result |
| 50                  | Normal Voltage    | 0.0052                              | 4.3                                     | Yes                                         | PASS   |
| 40                  | Normal Voltage    | 0.0074                              | 6.1                                     | Yes                                         |        |
| 30                  | Normal Voltage    | 0.0055                              | 4.5                                     | Yes                                         |        |
| 20(Ref.)            | Normal Voltage    | 0.0000                              | 0                                       | Yes                                         |        |
| 10                  | Normal Voltage    | 0.0012                              | -1                                      | Yes                                         |        |
| 0                   | Normal Voltage    | 0.0115                              | -9.5                                    | Yes                                         |        |
| -10                 | Normal Voltage    | 0.0051                              | 4.2                                     | Yes                                         |        |
| -20                 | Normal Voltage    | 0.0010                              | -0.8                                    | Yes                                         |        |
| -30                 | Normal Voltage    | 0.0046                              | -3.8                                    | Yes                                         |        |
| 20                  | Maximum Voltage   | 0.0073                              | 6                                       | Yes                                         |        |
| 20                  | Normal Voltage    | 0.0022                              | -1.8                                    | Yes                                         |        |
| 20                  | Minimum Voltage   | 0.0013                              | 1.1                                     | Yes                                         |        |

**Note:**

1. Normal Voltage = 3.9 V. ; Minimum Voltage = 3.6 V. ; Maximum Voltage = 4.4 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. Radiated Spurious Emission Test Data

### B1. Summary of each worse mode

|   |              |          |   |      |        |     |       |        |      |        |       |        |        |   |     |
|---|--------------|----------|---|------|--------|-----|-------|--------|------|--------|-------|--------|--------|---|-----|
| 1 | NR SA n14    | Part 90R | H | 1587 | -60.86 | RMS | 25.37 | -28.92 | 0.52 | -95.23 | 37.40 | -42.15 | -18.71 | H | 0   |
| 2 | NR SA n14    | Part 90R | M | 1578 | -60.73 | RMS | 25.28 | -28.93 | 0.53 | -95.23 | 37.62 | -42.15 | -18.58 | V | 0   |
| 3 | NR SA n14    | Part 90R | M | 1582 | -58.58 | RMS | 25.32 | -28.93 | 0.52 | -95.23 | 39.74 | -42.15 | -16.43 | H | 1   |
| 4 | NR SA n14    | Part 90R | M | 1578 | -56.84 | RMS | 25.28 | -28.93 | 0.53 | -95.23 | 41.51 | -42.15 | -14.69 | H | 1   |
| 1 | NR SA n26    | Part 90S | M | 2451 | -61.29 | RMS | 27.50 | -27.53 | 0.42 | -95.23 | 33.55 | -13.00 | -48.29 | H | 0   |
| 2 | NR SA n26    | Part 90S | M | 3268 | -63.24 | RMS | 29.56 | -26.12 | 0.32 | -95.23 | 28.23 | -13.00 | -50.24 | H | 1   |
| 3 | NR SA n26    | Part 90S | M | 2453 | -61.45 | RMS | 27.50 | -27.53 | 0.42 | -95.23 | 33.39 | -13.00 | -48.45 | H | 0   |
| 4 | NR SA n26    | Part 90S | M | 2453 | -61.84 | RMS | 27.50 | -27.53 | 0.42 | -95.23 | 33.00 | -13.00 | -48.84 | H | 1   |
| 5 | EN-DC B7+n26 | Part 90S | M | 2536 | 2.70   | RMS | 28.00 | -27.33 | 0.32 | -95.23 | 96.94 | -13.00 | 15.70  | V | 2+0 |

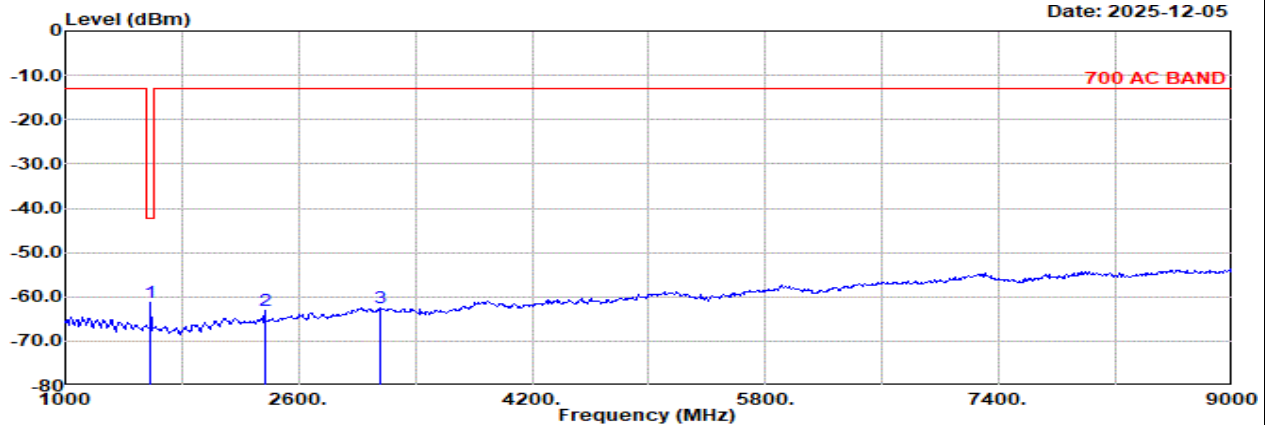


## Ant. 0

## Part 90R Mode 1

NR SA n14 5M Ch158100 1RB1 BPSK

L

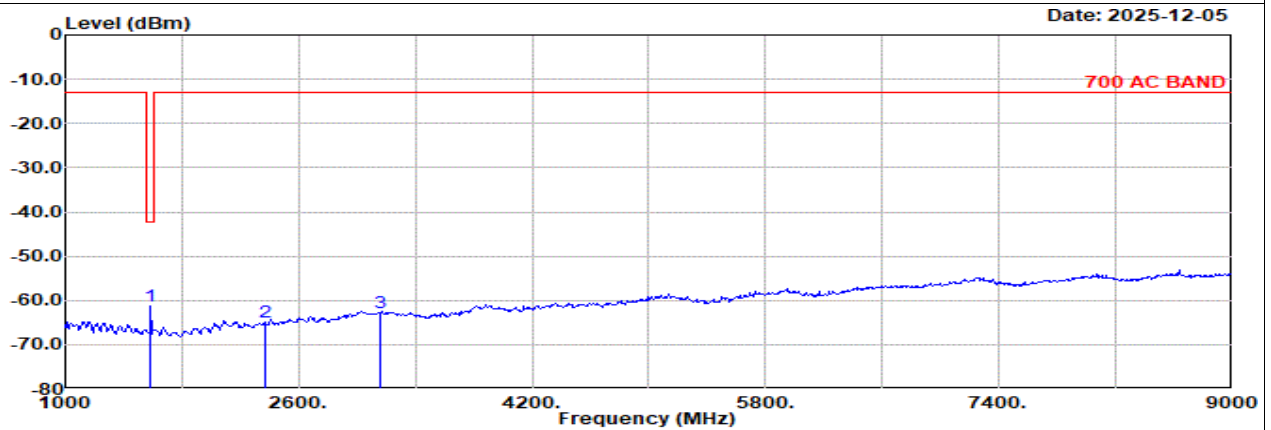


Site : 03CH20-HY

Condition: 700 AC BAND 3m HF\_9120D\_02360\_251105 Horizontal

: SA n14 5M Ch158100 1RB1 BPSK

|   | Freq Level |        | Detector | Ant Amp\Cb |        | Filter | EIRPCF |       | Readin g | Limit  |            | Margin | Pol |
|---|------------|--------|----------|------------|--------|--------|--------|-------|----------|--------|------------|--------|-----|
|   | MHz        | dBm    |          | Factor     | dB     |        | dB     | dB    |          | dBuV   | dBm        | dB     |     |
| 1 | 1577.00    | -61.28 | RMS      | 25.27      | -28.93 | 0.53   | -95.23 | 37.08 | -42.15   | -19.13 | Horizontal |        |     |
| 2 | 2366.00    | -63.19 | RMS      | 27.30      | -27.67 | 0.39   | -95.23 | 32.02 | -13.00   | -50.19 | Horizontal |        |     |
| 3 | 3154.00    | -62.42 | RMS      | 29.71      | -26.19 | 0.32   | -95.23 | 28.97 | -13.00   | -49.42 | Horizontal |        |     |



Site : 03CH20-HY

Condition: 700 AC BAND 3m HF\_9120D\_02360\_251105 Vertical

: SA n14 5M Ch158100 1RB1 BPSK

|   | Freq Level |        | Detector | Ant Amp\Cb |        | Filter | EIRPCF |       | Readin g | Limit  |          | Margin | Pol |
|---|------------|--------|----------|------------|--------|--------|--------|-------|----------|--------|----------|--------|-----|
|   | MHz        | dBm    |          | Factor     | dB     |        | dB     | dB    |          | dBuV   | dBm      | dB     |     |
| 1 | 1577.00    | -61.24 | RMS      | 25.27      | -28.93 | 0.53   | -95.23 | 37.12 | -42.15   | -19.09 | Vertical |        |     |
| 2 | 2366.00    | -64.92 | RMS      | 27.30      | -27.67 | 0.39   | -95.23 | 30.29 | -13.00   | -51.92 | Vertical |        |     |
| 3 | 3154.00    | -62.72 | RMS      | 29.71      | -26.19 | 0.32   | -95.23 | 28.67 | -13.00   | -49.72 | Vertical |        |     |

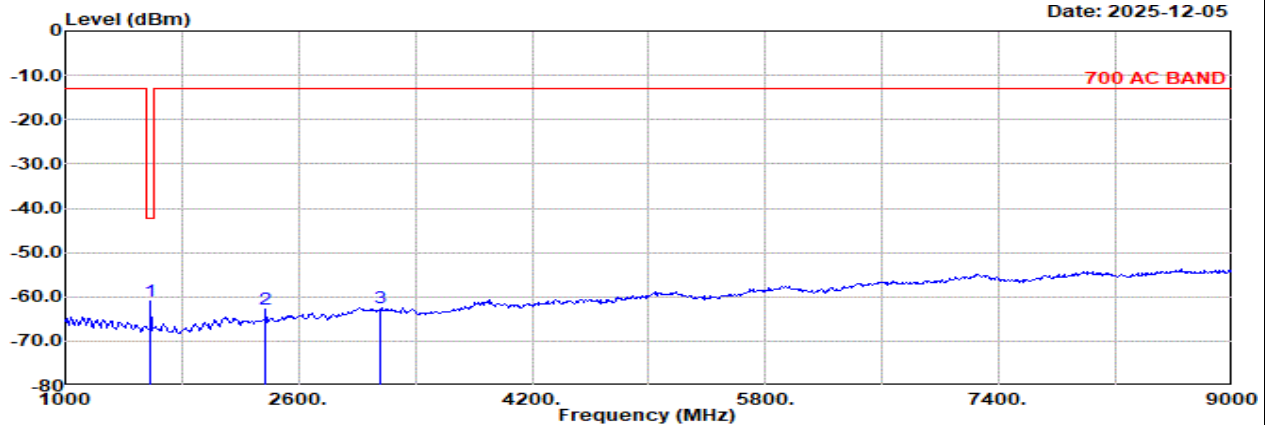


## Ant. 0

## Part 90R Mode 1

NR SA n14 5M Ch158600 1RB1 BPSK

M

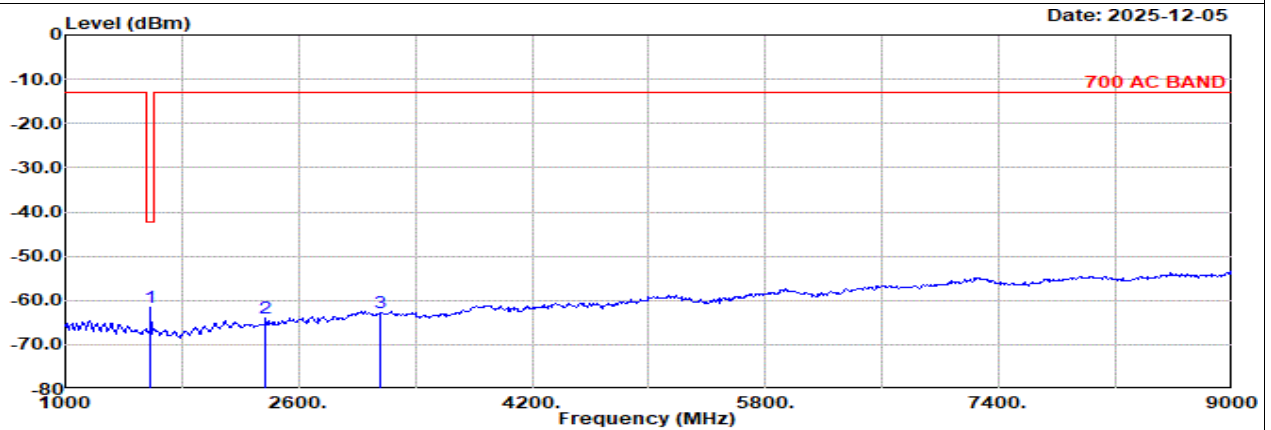


Site : 03CH20-HY

Condition: 700 AC BAND 3m HF\_9120D\_02360\_251105 Horizontal

: SA n14 5M Ch158600 1RB1 BPSK

|   | Freq Level |        | Detector | Ant Amp\Cb Filter |        | EIRPCF | Readin g | Limit |        | Margin | Pol        |
|---|------------|--------|----------|-------------------|--------|--------|----------|-------|--------|--------|------------|
|   | MHz        | dBm    |          | Factor            | 1      |        |          | dBm   | dB     |        |            |
| 1 | 1582.00    | -60.93 | RMS      | 25.32             | -28.93 | 0.52   | -95.23   | 37.39 | -42.15 | -18.78 | Horizontal |
| 2 | 2373.00    | -62.69 | RMS      | 27.27             | -27.66 | 0.40   | -95.23   | 32.53 | -13.00 | -49.69 | Horizontal |
| 3 | 3164.00    | -62.39 | RMS      | 29.73             | -26.19 | 0.32   | -95.23   | 28.98 | -13.00 | -49.39 | Horizontal |



Site : 03CH20-HY

Condition: 700 AC BAND 3m HF\_9120D\_02360\_251105 Vertical

: SA n14 5M Ch158600 1RB1 BPSK

|   | Freq Level |        | Detector | Ant Amp\Cb Filter |        | EIRPCF | Readin g | Limit |        | Margin | Pol      |
|---|------------|--------|----------|-------------------|--------|--------|----------|-------|--------|--------|----------|
|   | MHz        | dBm    |          | Factor            | 1      |        |          | dBm   | dB     |        |          |
| 1 | 1582.00    | -61.74 | RMS      | 25.32             | -28.93 | 0.52   | -95.23   | 36.58 | -42.15 | -19.59 | Vertical |
| 2 | 2373.00    | -63.87 | RMS      | 27.27             | -27.66 | 0.40   | -95.23   | 31.35 | -13.00 | -50.87 | Vertical |
| 3 | 3164.00    | -62.74 | RMS      | 29.73             | -26.19 | 0.32   | -95.23   | 28.63 | -13.00 | -49.74 | Vertical |

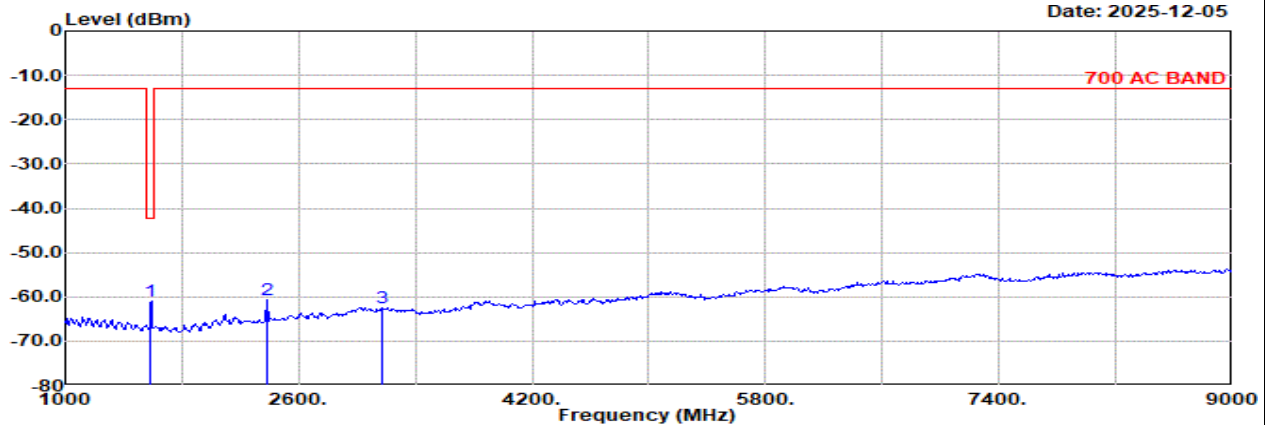


## Ant. 0

## Part 90R Mode 1

NR SA n14 5M Ch159100 1RB1 BPSK

H

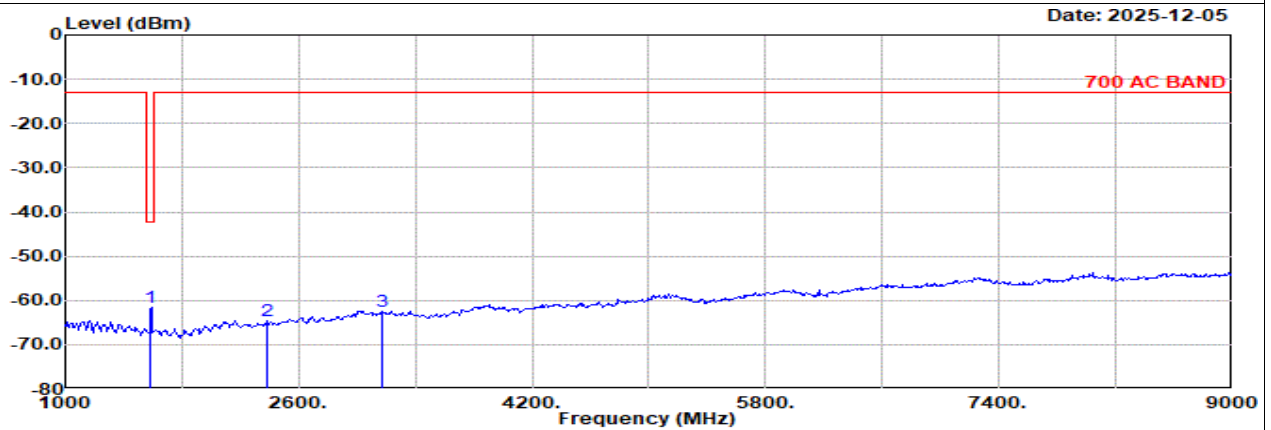


Site : 03CH20-HY

Condition: 700 AC BAND 3m HF\_9120D\_02360\_251105 Horizontal

: SA n14 5M Ch159100 1RB1 BPSK

|   | Freq Level |        | Detector | Ant Amp\Cb Filter |        | EIRPCF | Readin g | Limit |        | Margin | Pol        |
|---|------------|--------|----------|-------------------|--------|--------|----------|-------|--------|--------|------------|
|   | MHz        | dBm    |          | Factor            | 1      |        |          | dB    | dBm    |        |            |
| 1 | 1587.00    | -60.86 | RMS      | 25.37             | -28.92 | 0.52   | -95.23   | 37.40 | -42.15 | -18.71 | Horizontal |
| 2 | 2380.00    | -60.54 | RMS      | 27.20             | -27.65 | 0.40   | -95.23   | 34.74 | -13.00 | -47.54 | Horizontal |
| 3 | 3174.00    | -62.35 | RMS      | 29.75             | -26.18 | 0.32   | -95.23   | 28.99 | -13.00 | -49.35 | Horizontal |



Site : 03CH20-HY

Condition: 700 AC BAND 3m HF\_9120D\_02360\_251105 Vertical

: SA n14 5M Ch159100 1RB1 BPSK

|   | Freq Level |        | Detector | Ant Amp\Cb Filter |        | EIRPCF | Readin g | Limit |        | Margin | Pol      |
|---|------------|--------|----------|-------------------|--------|--------|----------|-------|--------|--------|----------|
|   | MHz        | dBm    |          | Factor            | 1      |        |          | dB    | dBm    |        |          |
| 1 | 1587.00    | -61.55 | RMS      | 25.37             | -28.92 | 0.52   | -95.23   | 36.71 | -42.15 | -19.40 | Vertical |
| 2 | 2380.00    | -64.46 | RMS      | 27.20             | -27.65 | 0.40   | -95.23   | 30.82 | -13.00 | -51.46 | Vertical |
| 3 | 3174.00    | -62.41 | RMS      | 29.75             | -26.18 | 0.32   | -95.23   | 28.93 | -13.00 | -49.41 | Vertical |

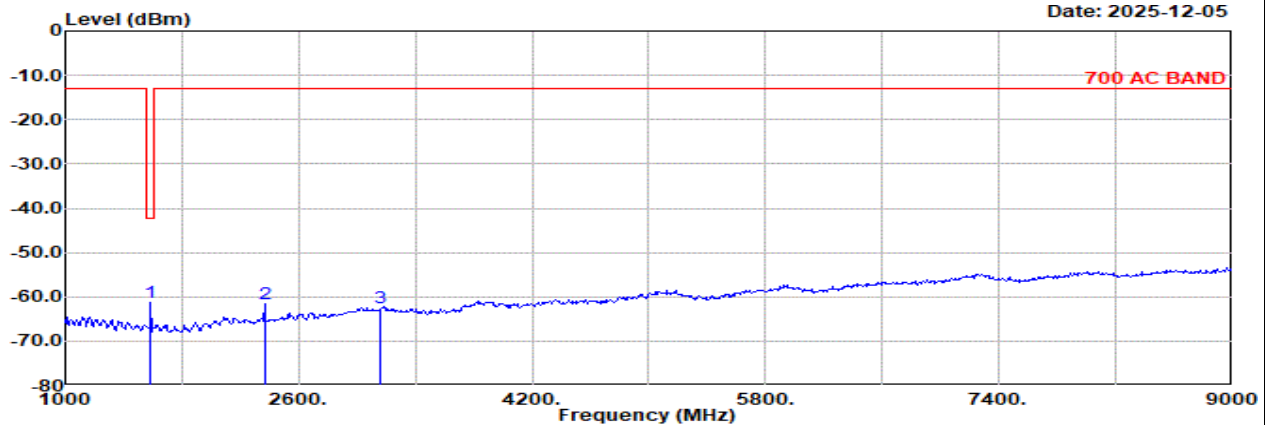


## Ant. 0

## Part 90R Mode 2

NR SA n14 10M Ch158600 1RB1 BPSK

M

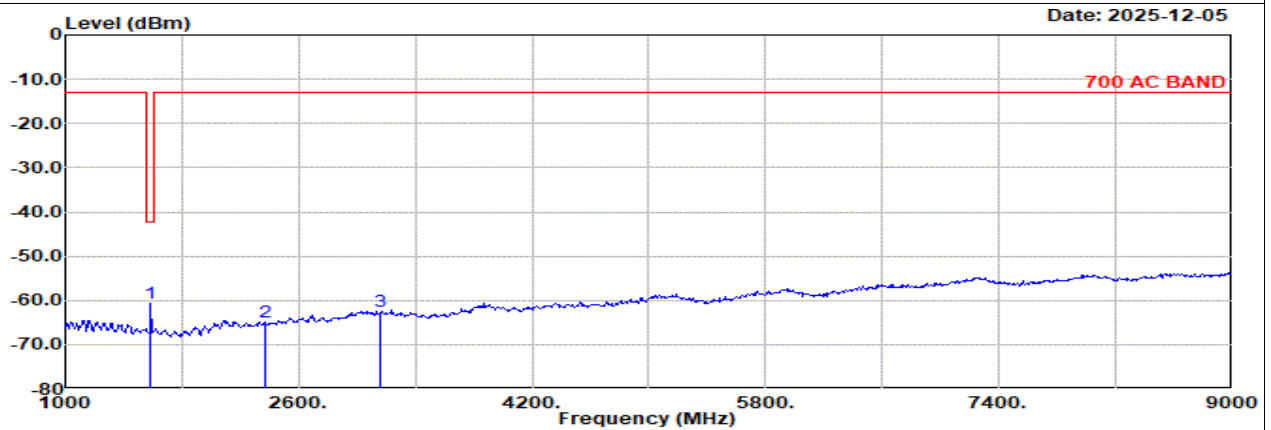


Site : 03CH20-HY

Condition: 700 AC BAND 3m HF\_9120D\_02360\_251105 Horizontal

: SA n14 10M Ch158600 1RB1 BPSK

|   | Freq    | Level  | Detector | Ant    | Amp\Cb | Filter | EIRPCF | Readin | Limit  | Margin | Pol        |
|---|---------|--------|----------|--------|--------|--------|--------|--------|--------|--------|------------|
|   | MHz     | dBm    |          | Factor | dB     | dB     |        | dB     | g      |        |            |
| 1 | 1578.00 | -61.40 | RMS      | 25.28  | -28.93 | 0.53   | -95.23 | 36.95  | -42.15 | -19.25 | Horizontal |
| 2 | 2366.00 | -61.62 | RMS      | 27.30  | -27.67 | 0.39   | -95.23 | 33.59  | -13.00 | -48.62 | Horizontal |
| 3 | 3155.00 | -62.57 | RMS      | 29.71  | -26.19 | 0.32   | -95.23 | 28.82  | -13.00 | -49.57 | Horizontal |



Site : 03CH20-HY

Condition: 700 AC BAND 3m HF\_9120D\_02360\_251105 Vertical

: SA n14 10M Ch158600 1RB1 BPSK

|   | Freq    | Level  | Detector | Ant Factor | Amp\Cb<br>1 | Filter | EIRPCF | Readin<br>g | Limit  | Margin | Pol      |
|---|---------|--------|----------|------------|-------------|--------|--------|-------------|--------|--------|----------|
|   | MHz     | dBm    |          | dB/m       | dB          | dB     | dB     | dBuV        | dBm    | dB     |          |
| 1 | 1578.00 | -60.73 | RMS      | 25.28      | -28.93      | 0.53   | -95.23 | 37.62       | -42.15 | -18.58 | Vertical |
| 2 | 2366.00 | -64.98 | RMS      | 27.30      | -27.67      | 0.39   | -95.23 | 30.23       | -13.00 | -51.98 | Vertical |
| 3 | 3155.00 | -62.57 | RMS      | 29.71      | -26.19      | 0.32   | -95.23 | 28.82       | -13.00 | -49.57 | Vertical |

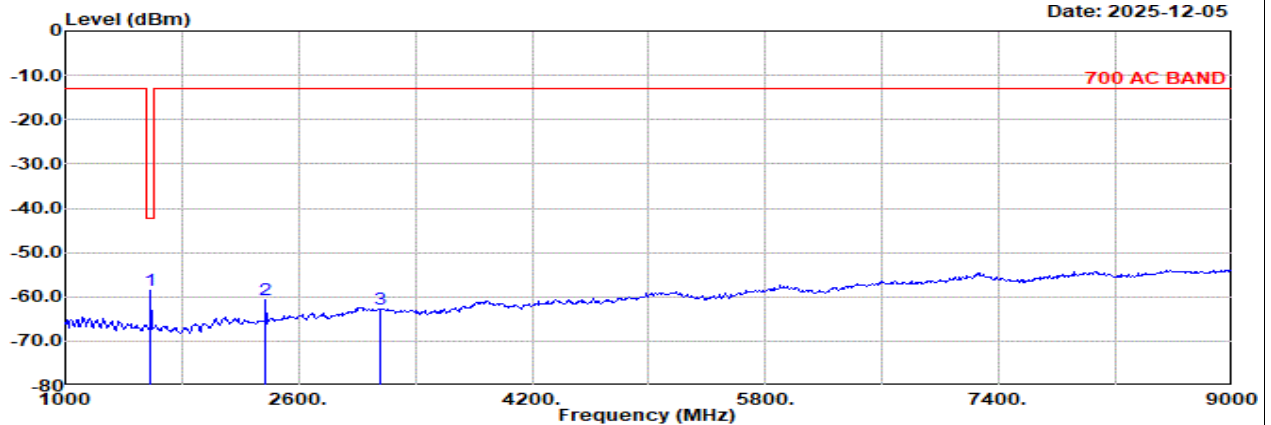


## Ant. 1

## Part 90R Mode 3

NR SA n14 5M Ch158600 1RB1 BPSK

M

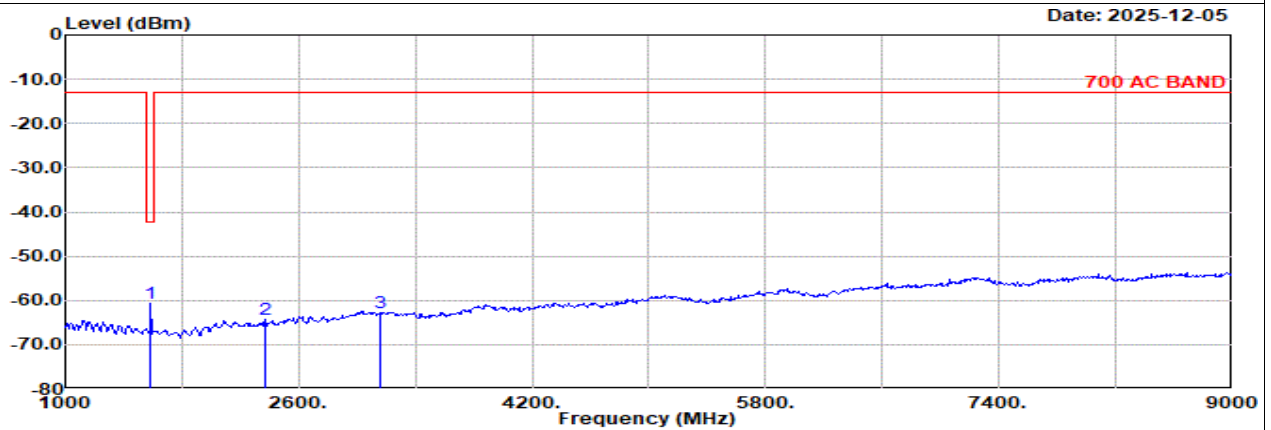


Site : 03CH20-HY

Condition: 700 AC BAND 3m HF\_9120D\_02360\_251105 Horizontal

: SA n14 5M Ch158600 1RB1 BPSK

|   | Freq Level |        | Detector | Ant Amp\Cb Filter |        | EIRPCF | Readin g | Limit |        | Margin | Pol        |
|---|------------|--------|----------|-------------------|--------|--------|----------|-------|--------|--------|------------|
|   | MHz        | dBm    |          | Factor            | 1      |        |          | dB    | dBm    |        |            |
| 1 | 1582.00    | -58.58 | RMS      | 25.32             | -28.93 | 0.52   | -95.23   | 39.74 | -42.15 | -16.43 | Horizontal |
| 2 | 2373.00    | -60.62 | RMS      | 27.27             | -27.66 | 0.40   | -95.23   | 34.60 | -13.00 | -47.62 | Horizontal |
| 3 | 3164.00    | -62.68 | RMS      | 29.73             | -26.19 | 0.32   | -95.23   | 28.69 | -13.00 | -49.68 | Horizontal |



Site : 03CH20-HY

Condition: 700 AC BAND 3m HF\_9120D\_02360\_251105 Vertical

: SA n14 5M Ch158600 1RB1 BPSK

|   | Freq Level |        | Detector | Ant Amp\Cb Filter |        | EIRPCF | Readin g | Limit |        | Margin | Pol      |
|---|------------|--------|----------|-------------------|--------|--------|----------|-------|--------|--------|----------|
|   | MHz        | dBm    |          | Factor            | 1      |        |          | dB    | dBm    |        |          |
| 1 | 1582.00    | -60.66 | RMS      | 25.32             | -28.93 | 0.52   | -95.23   | 37.66 | -42.15 | -18.51 | Vertical |
| 2 | 2373.00    | -64.22 | RMS      | 27.27             | -27.66 | 0.40   | -95.23   | 31.00 | -13.00 | -51.22 | Vertical |
| 3 | 3164.00    | -62.84 | RMS      | 29.73             | -26.19 | 0.32   | -95.23   | 28.53 | -13.00 | -49.84 | Vertical |

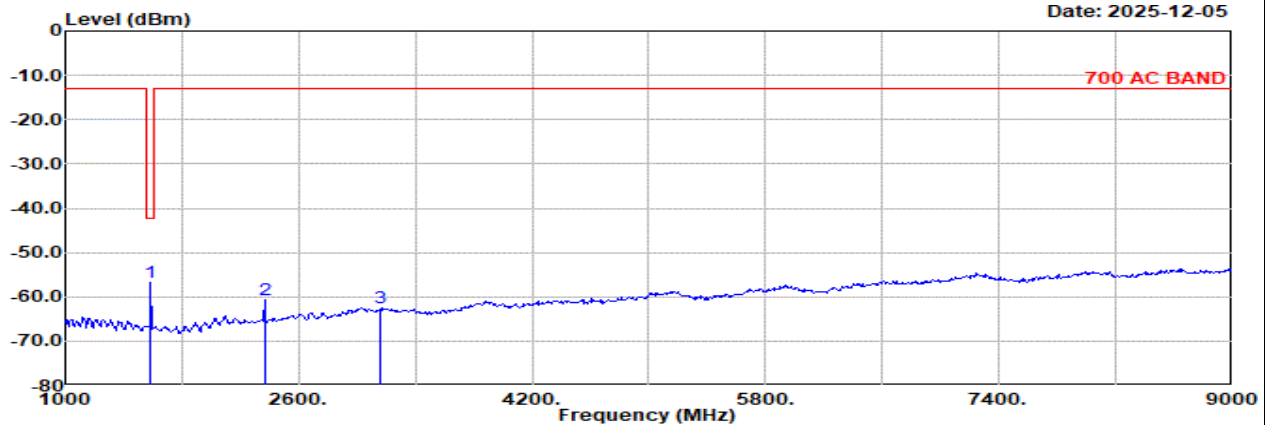


## Ant. 1

## Part 90R Mode 4

NR SA n14 10M Ch158600 1RB1 BPSK

M

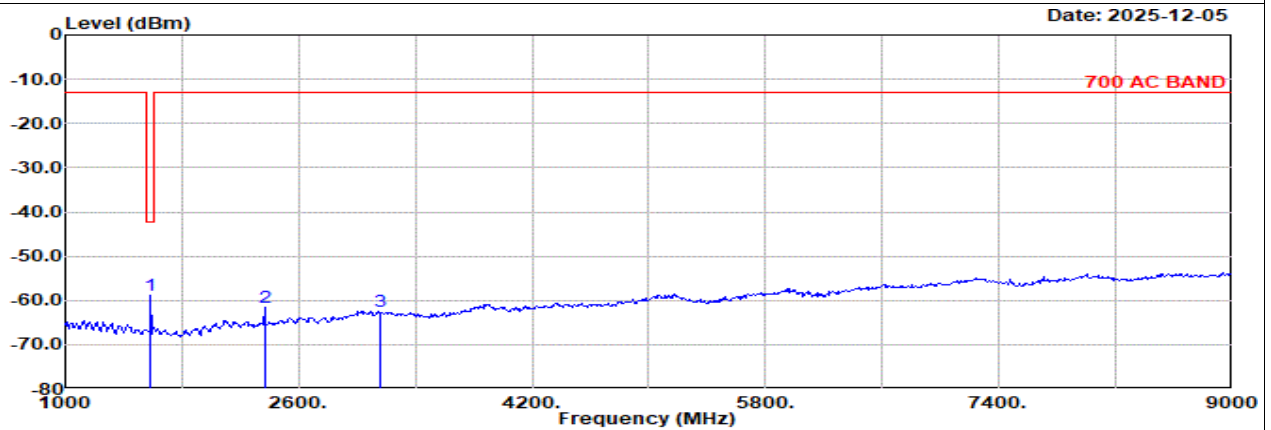


Site : 03CH20-HY

Condition: 700 AC BAND 3m HF\_9120D\_02360\_251105 Horizontal

: SA n14 10M Ch158600 1RB1 BPSK

|   | Freq Level |        | Detector | Ant Amp\Cb Filter |        | EIRPCF | Readin Limit |       | Margin | Pol               |
|---|------------|--------|----------|-------------------|--------|--------|--------------|-------|--------|-------------------|
|   | MHz        | dBm    |          | Factor            | 1      |        | g            |       |        |                   |
| 1 | 1578.00    | -56.84 | RMS      | 25.28             | -28.93 | 0.53   | -95.23       | 41.51 | -42.15 | -14.69 Horizontal |
| 2 | 2366.00    | -60.83 | RMS      | 27.30             | -27.67 | 0.39   | -95.23       | 34.38 | -13.00 | -47.83 Horizontal |
| 3 | 3155.00    | -62.51 | RMS      | 29.71             | -26.19 | 0.32   | -95.23       | 28.88 | -13.00 | -49.51 Horizontal |



Site : 03CH20-HY

Condition: 700 AC BAND 3m HF\_9120D\_02360\_251105 Vertical

: SA n14 10M Ch158600 1RB1 BPSK

|   | Freq Level |        | Detector | Ant Amp\Cb Filter |        | EIRPCF | Readin Limit |       | Margin | Pol             |
|---|------------|--------|----------|-------------------|--------|--------|--------------|-------|--------|-----------------|
|   | MHz        | dBm    |          | Factor            | 1      |        | g            |       |        |                 |
| 1 | 1578.00    | -58.73 | RMS      | 25.28             | -28.93 | 0.53   | -95.23       | 39.62 | -42.15 | -16.58 Vertical |
| 2 | 2366.00    | -61.70 | RMS      | 27.30             | -27.67 | 0.39   | -95.23       | 33.51 | -13.00 | -48.70 Vertical |
| 3 | 3155.00    | -62.54 | RMS      | 29.71             | -26.19 | 0.32   | -95.23       | 28.85 | -13.00 | -49.54 Vertical |

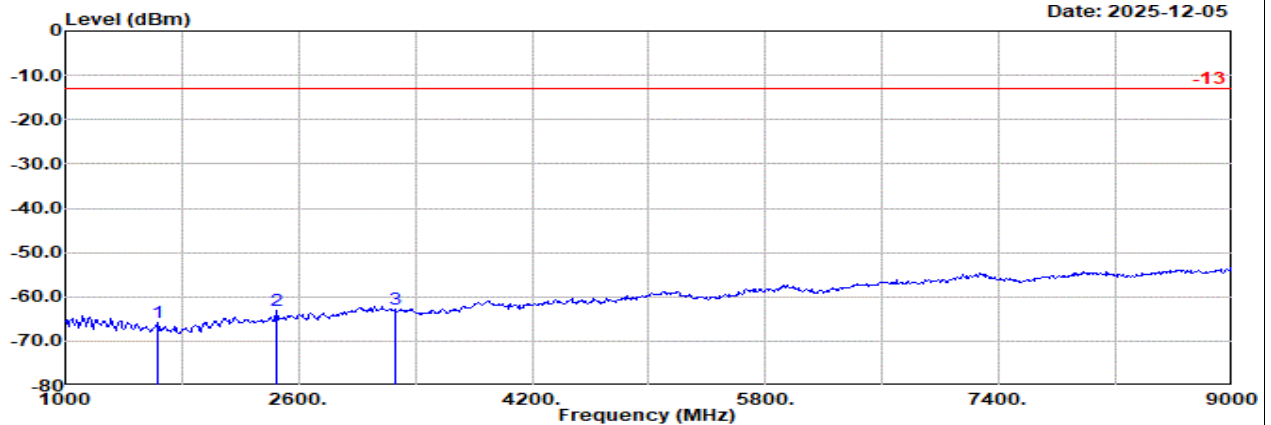


## Ant. 0

## Part 90S Mode 1

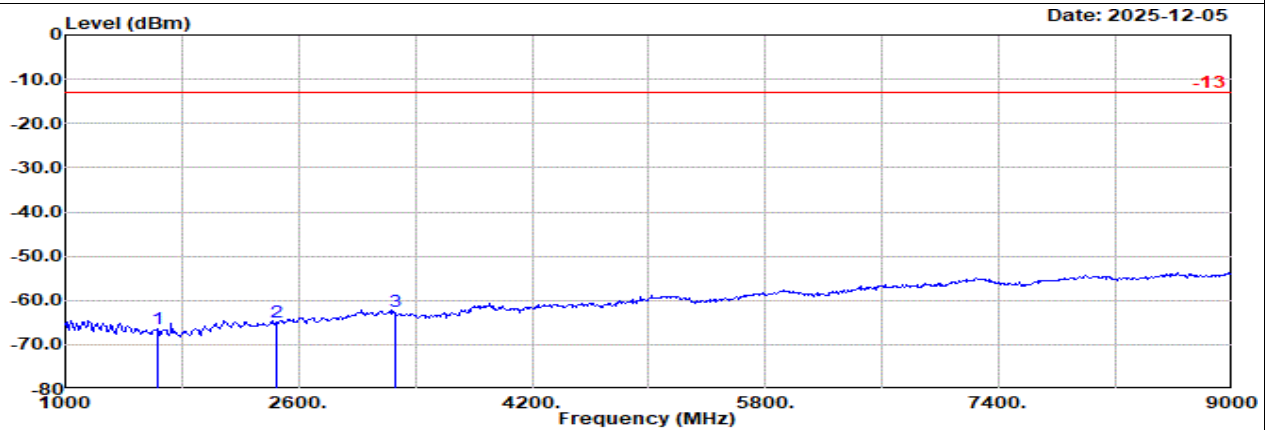
NR SA n26 5M Ch163300 1RB1 BPSK

L



Site : 03CH20-HY  
Condition: -13 3m HF\_9120D\_02360\_251105 Horizontal  
: SA n26 5M Ch163300 1RB1 BPSK

|   | Freq    | Level  | Detector | Ant Factor | Amp\Cb | Filter | EIRPCF | Readin g | Limit  | Margin | Pol        |
|---|---------|--------|----------|------------|--------|--------|--------|----------|--------|--------|------------|
|   | MHz     | dBm    |          | dB/m       | dB     | dB     | dB     | dBuV     | dBm    | dB     |            |
| 1 | 1629.00 | -65.83 | RMS      | 25.39      | -28.86 | 0.49   | -95.23 | 32.38    | -13.00 | -52.83 | Horizontal |
| 2 | 2444.00 | -63.11 | RMS      | 27.50      | -27.54 | 0.42   | -95.23 | 31.74    | -13.00 | -50.11 | Horizontal |
| 3 | 3258.00 | -62.93 | RMS      | 29.58      | -26.13 | 0.32   | -95.23 | 28.53    | -13.00 | -49.93 | Horizontal |



Site : 03CH20-HY  
Condition: -13 3m HF\_9120D\_02360\_251105 Vertical  
: SA n26 5M Ch163300 1RB1 BPSK

|   | Freq    | Level  | Detector | Ant Factor | Amp\Cb<br>1 | Filter | EIRPCF | Readin<br>g | Limit  | Margin | Pol      |
|---|---------|--------|----------|------------|-------------|--------|--------|-------------|--------|--------|----------|
|   | MHz     | dBm    |          | dB/m       | dB          | dB     | dB     | dBuV        | dBm    | dB     |          |
| 1 | 1629.00 | -66.34 | RMS      | 25.39      | -28.86      | 0.49   | -95.23 | 31.87       | -13.00 | -53.34 | Vertical |
| 2 | 2444.00 | -64.95 | RMS      | 27.50      | -27.54      | 0.42   | -95.23 | 29.90       | -13.00 | -51.95 | Vertical |
| 3 | 3258.00 | -62.59 | RMS      | 29.58      | -26.13      | 0.32   | -95.23 | 28.87       | -13.00 | -49.59 | Vertical |

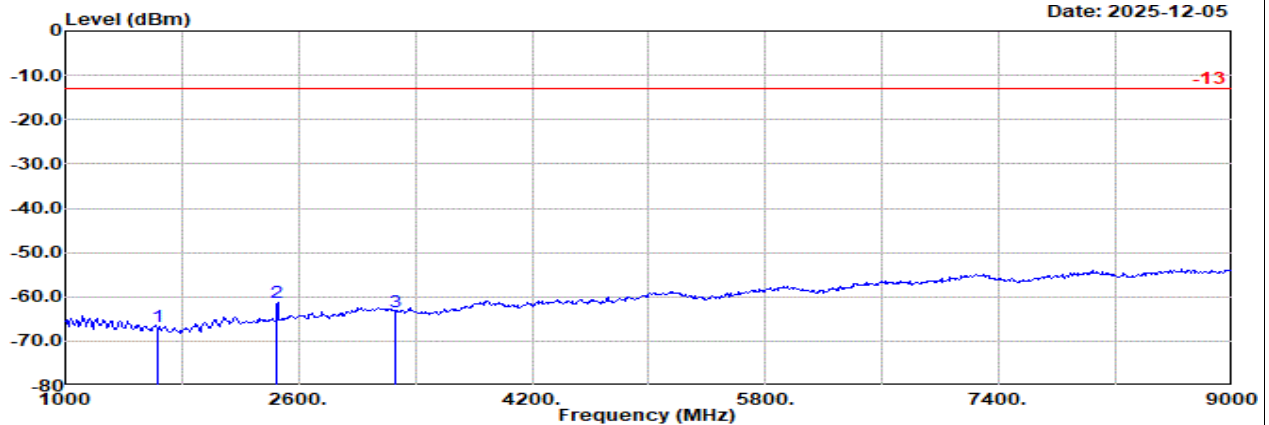


## Ant. 0

## Part 90S Mode 1

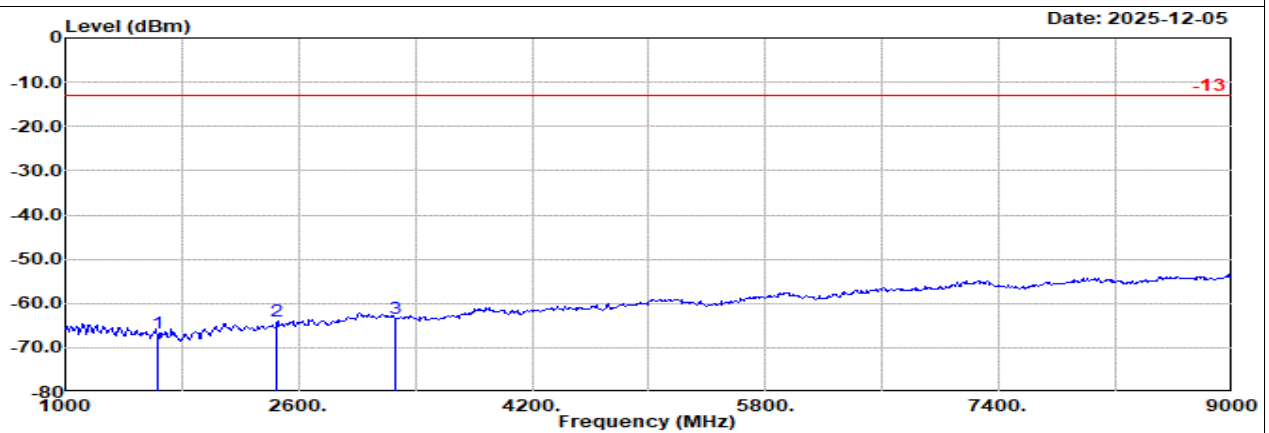
NR SA n26 5M Ch163800 1RB1 BPSK

M



Site : 03CH20-HY  
Condition: -13 3m HF\_9120D\_02360\_251105 Horizontal  
: SA n26 5M Ch163800 1RB1 BPSK

|   | Freq Level |        | Detector | Ant Factor | Amp\Cb Filter 1 |      | EIRPCF | Readin g | Limit  | Margin Pol |            |
|---|------------|--------|----------|------------|-----------------|------|--------|----------|--------|------------|------------|
|   | MHz        | dBm    |          |            | dB/m            | dB   | dB     | dB       | dBuV   | dBm        | dB         |
| 1 | 1634.00    | -66.66 | RMS      | 25.36      | -28.85          | 0.49 | -95.23 | 31.57    | -13.00 | -53.66     | Horizontal |
| 2 | 2451.00    | -61.29 | RMS      | 27.50      | -27.53          | 0.42 | -95.23 | 33.55    | -13.00 | -48.29     | Horizontal |
| 3 | 3268.00    | -63.41 | RMS      | 29.56      | -26.12          | 0.32 | -95.23 | 28.06    | -13.00 | -50.41     | Horizontal |



Site : 03CH20-HY  
Condition: -13 3m HF\_9120D\_02360\_251105 Vertical  
: SA n26 5M Ch163800 1RB1 BPSK

|   | Freq Level |        | Detector | Ant Factor | Amp\Cb Filter 1 |      | EIRPCF | Readin g | Limit  | Margin Pol |          |
|---|------------|--------|----------|------------|-----------------|------|--------|----------|--------|------------|----------|
|   | MHz        | dBm    |          |            | dB/m            | dB   | dB     | dB       | dBuV   | dBm        | dB       |
| 1 | 1634.00    | -66.61 | RMS      | 25.36      | -28.85          | 0.49 | -95.23 | 31.62    | -13.00 | -53.61     | Vertical |
| 2 | 2451.00    | -64.12 | RMS      | 27.50      | -27.53          | 0.42 | -95.23 | 30.72    | -13.00 | -51.12     | Vertical |
| 3 | 3268.00    | -63.36 | RMS      | 29.56      | -26.12          | 0.32 | -95.23 | 28.11    | -13.00 | -50.36     | Vertical |

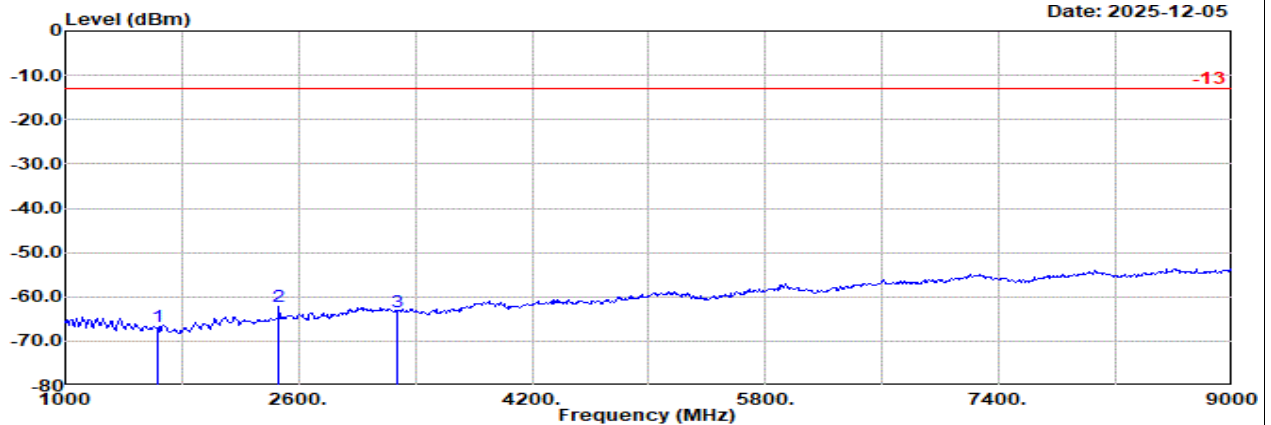


## Ant. 0

## Part 90S Mode 1

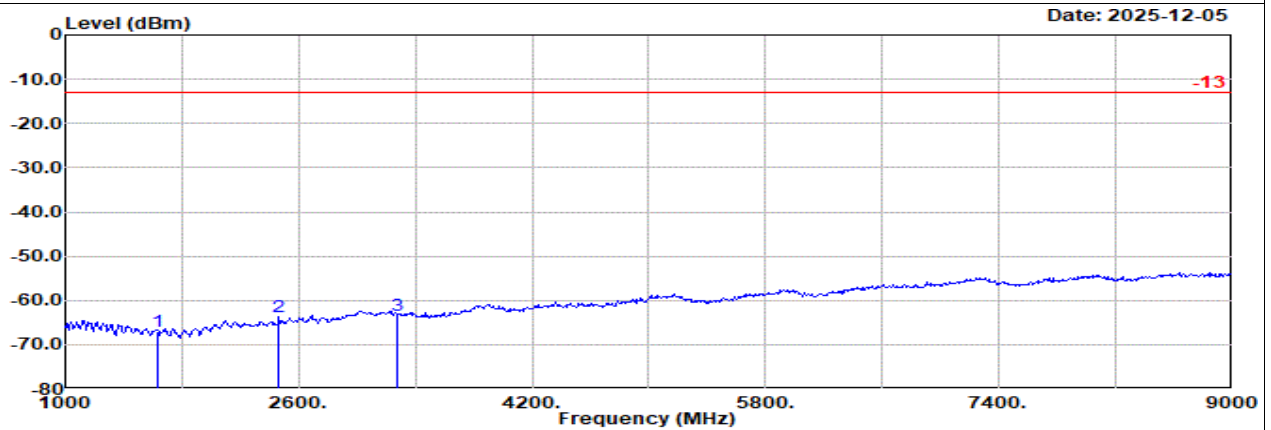
NR SA n26 5M Ch164300 1RB1 BPSK

H



Site : 03CH20-HY  
Condition: -13 3m HF\_9120D\_02360\_251105 Horizontal  
: SA n26 5M Ch164300 1RB1 BPSK

|   | Freq Level |        | Detector | Ant Amp\Cb |        | Filter | EIRPCF |       | Readin g | Limit  | Margin     |    | Pol |
|---|------------|--------|----------|------------|--------|--------|--------|-------|----------|--------|------------|----|-----|
|   | MHz        | dBm    |          | Factor     | dB     |        | dB     | dB    |          |        | dB         | dB |     |
| 1 | 1639.00    | -66.64 | RMS      | 25.31      | -28.84 | 0.49   | -95.23 | 31.63 | -13.00   | -53.64 | Horizontal |    |     |
| 2 | 2459.00    | -62.30 | RMS      | 27.50      | -27.52 | 0.42   | -95.23 | 32.53 | -13.00   | -49.30 | Horizontal |    |     |
| 3 | 3278.00    | -63.38 | RMS      | 29.54      | -26.11 | 0.32   | -95.23 | 28.10 | -13.00   | -50.38 | Horizontal |    |     |



Site : 03CH20-HY  
Condition: -13 3m HF\_9120D\_02360\_251105 Vertical  
: SA n26 5M Ch164300 1RB1 BPSK

|   | Freq Level |        | Detector | Ant Amp\Cb |        | Filter | EIRPCF |       | Readin g | Limit  | Margin   |    | Pol |
|---|------------|--------|----------|------------|--------|--------|--------|-------|----------|--------|----------|----|-----|
|   | MHz        | dBm    |          | Factor     | dB     |        | dB     | dB    |          |        | dB       | dB |     |
| 1 | 1639.00    | -67.10 | RMS      | 25.31      | -28.84 | 0.49   | -95.23 | 31.17 | -13.00   | -54.10 | Vertical |    |     |
| 2 | 2459.00    | -63.65 | RMS      | 27.50      | -27.52 | 0.42   | -95.23 | 31.18 | -13.00   | -50.65 | Vertical |    |     |
| 3 | 3278.00    | -63.29 | RMS      | 29.54      | -26.11 | 0.32   | -95.23 | 28.19 | -13.00   | -50.29 | Vertical |    |     |

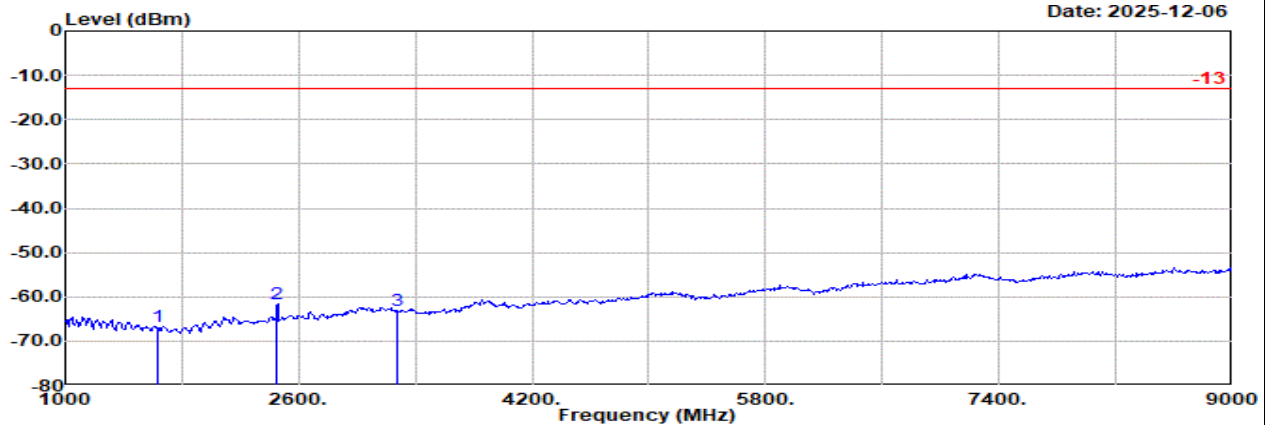


## Ant. 0

## Part 90S Mode 3

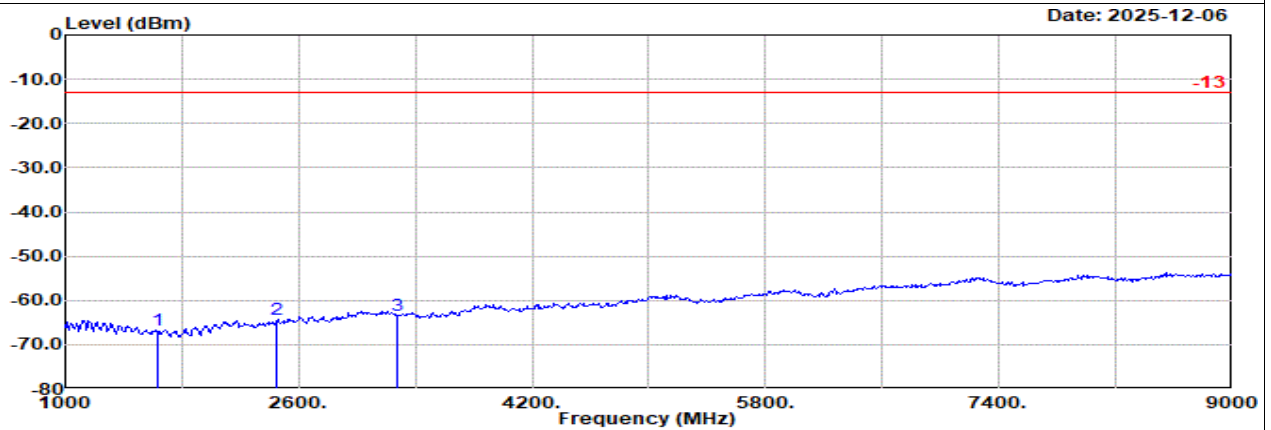
NR SA n26 15M Ch164800 1RB1 BPSK

M



Site : 03CH20-HY  
Condition: -13 3m HF\_9120D\_02360\_251105 Horizontal  
: SA n26 15M Ch164800 1RB1 BPSK

|   | Freq Level |        | Detector | Ant Amp\Cb Filter |        | Factor | EIRPCF |       | Readin g | Limit  | Margin     |    | Pol |
|---|------------|--------|----------|-------------------|--------|--------|--------|-------|----------|--------|------------|----|-----|
|   | MHz        | dBm    |          | dB/m              | dB     |        | dB     | dB    |          |        | dB         | dB |     |
| 1 | 1635.00    | -66.65 | RMS      | 25.35             | -28.85 | 0.49   | -95.23 | 31.59 | -13.00   | -53.65 | Horizontal |    |     |
| 2 | 2453.00    | -61.45 | RMS      | 27.50             | -27.53 | 0.42   | -95.23 | 33.39 | -13.00   | -48.45 | Horizontal |    |     |
| 3 | 3270.00    | -63.12 | RMS      | 29.56             | -26.11 | 0.32   | -95.23 | 28.34 | -13.00   | -50.12 | Horizontal |    |     |



Site : 03CH20-HY  
Condition: -13 3m HF\_9120D\_02360\_251105 Vertical  
: SA n26 15M Ch164800 1RB1 BPSK

|   | Freq Level |        | Detector | Ant Amp\Cb Filter |        | Factor | EIRPCF |       | Readin g | Limit  | Margin   |    | Pol |
|---|------------|--------|----------|-------------------|--------|--------|--------|-------|----------|--------|----------|----|-----|
|   | MHz        | dBm    |          | dB/m              | dB     |        | dB     | dB    |          |        | dB       | dB |     |
| 1 | 1635.00    | -66.72 | RMS      | 25.35             | -28.85 | 0.49   | -95.23 | 31.52 | -13.00   | -53.72 | Vertical |    |     |
| 2 | 2453.00    | -64.40 | RMS      | 27.50             | -27.53 | 0.42   | -95.23 | 30.44 | -13.00   | -51.40 | Vertical |    |     |
| 3 | 3270.00    | -63.44 | RMS      | 29.56             | -26.11 | 0.32   | -95.23 | 28.02 | -13.00   | -50.44 | Vertical |    |     |

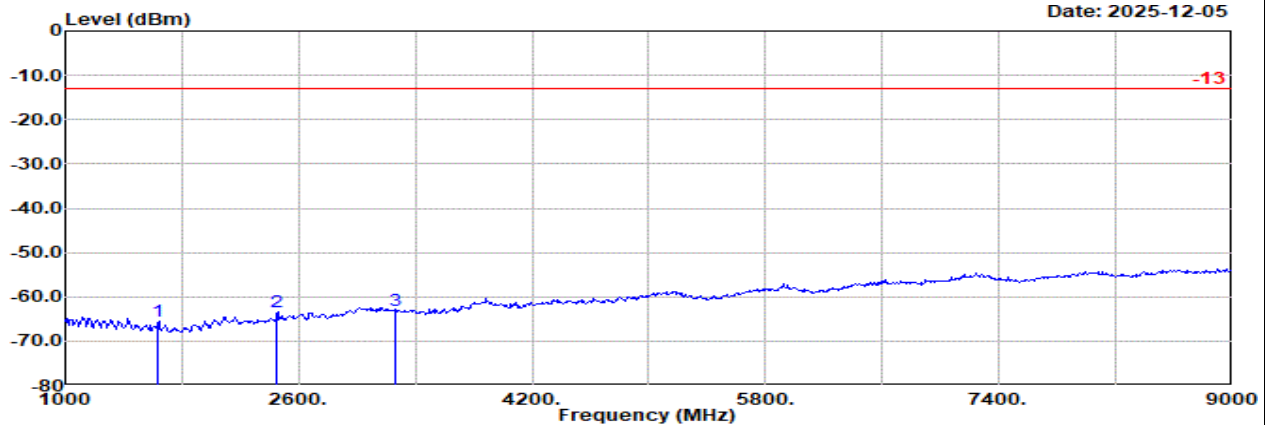


## Ant. 1

## Part 90S Mode 2

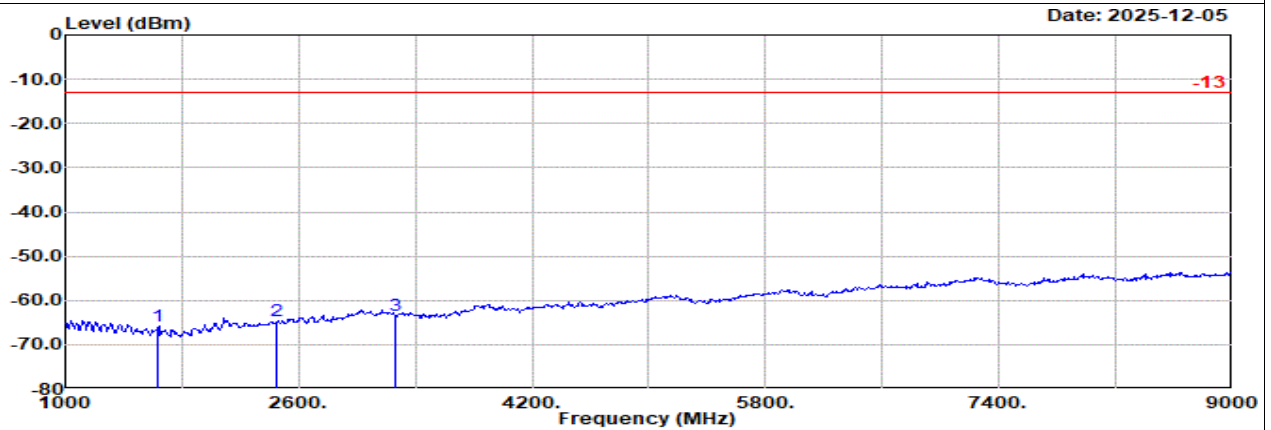
NR SA n26 5M Ch163800 1RB1 BPSK

M



Site : 03CH20-HY  
Condition: -13 3m HF\_9120D\_02360\_251105 Horizontal  
: SA n26 10M Ch163800 1RB1 BPSK

|   | Freq    | Level  | Detector | Ant Factor | Amp\Cb | Filter | EIRPCF | Readin g | Limit  | Margin | Pol        |
|---|---------|--------|----------|------------|--------|--------|--------|----------|--------|--------|------------|
|   | MHz     | dBm    |          | dB/m       | dB     | dB     | dB     | dBuV     | dBm    | dB     |            |
| 1 | 1634.00 | -65.66 | RMS      | 25.36      | -28.85 | 0.49   | -95.23 | 32.57    | -13.00 | -52.66 | Horizontal |
| 2 | 2451.00 | -63.39 | RMS      | 27.50      | -27.53 | 0.42   | -95.23 | 31.45    | -13.00 | -50.39 | Horizontal |
| 3 | 3268.00 | -63.24 | RMS      | 29.56      | -26.12 | 0.32   | -95.23 | 28.23    | -13.00 | -50.24 | Horizontal |



Site : 03CH20-HY  
Condition: -13 3m HF\_9120D\_02360\_251105 Vertical  
: SA n26 10M Ch163800 1RB1 BPSK

|   | Freq    | Level  | Detector | Ant Factor | Amp\Cb<br>1 | Filter | EIRPCF | Readin<br>g | Limit  | Margin | Pol      |
|---|---------|--------|----------|------------|-------------|--------|--------|-------------|--------|--------|----------|
|   | MHz     | dBm    |          | dB/m       | dB          | dB     | dB     | dBuV        | dBm    | dB     |          |
| 1 | 1634.00 | -65.81 | RMS      | 25.36      | -28.85      | 0.49   | -95.23 | 32.42       | -13.00 | -52.81 | Vertical |
| 2 | 2451.00 | -64.67 | RMS      | 27.50      | -27.53      | 0.42   | -95.23 | 30.17       | -13.00 | -51.67 | Vertical |
| 3 | 3268.00 | -63.52 | RMS      | 29.56      | -26.12      | 0.32   | -95.23 | 27.95       | -13.00 | -50.52 | Vertical |

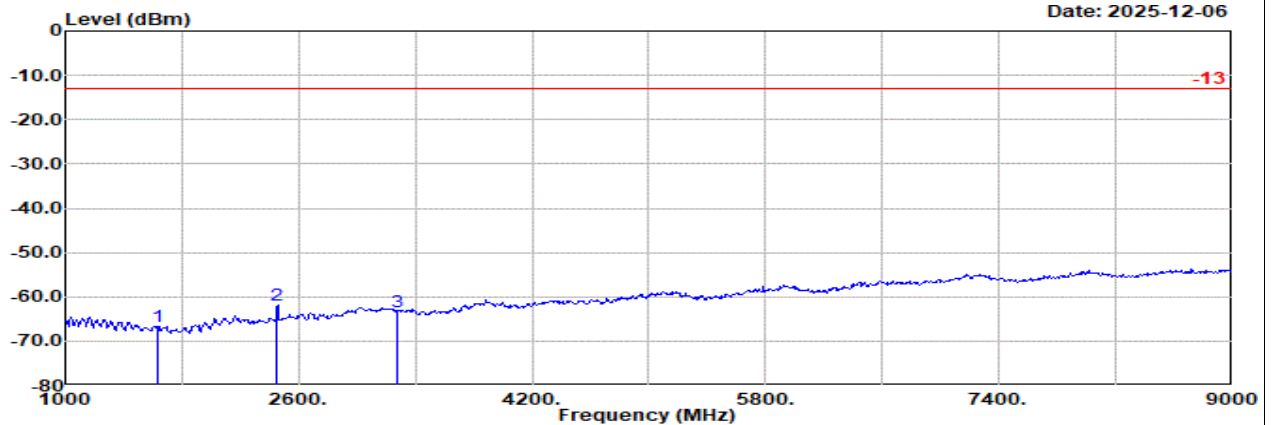


## Ant. 1

## Part 90S Mode 4

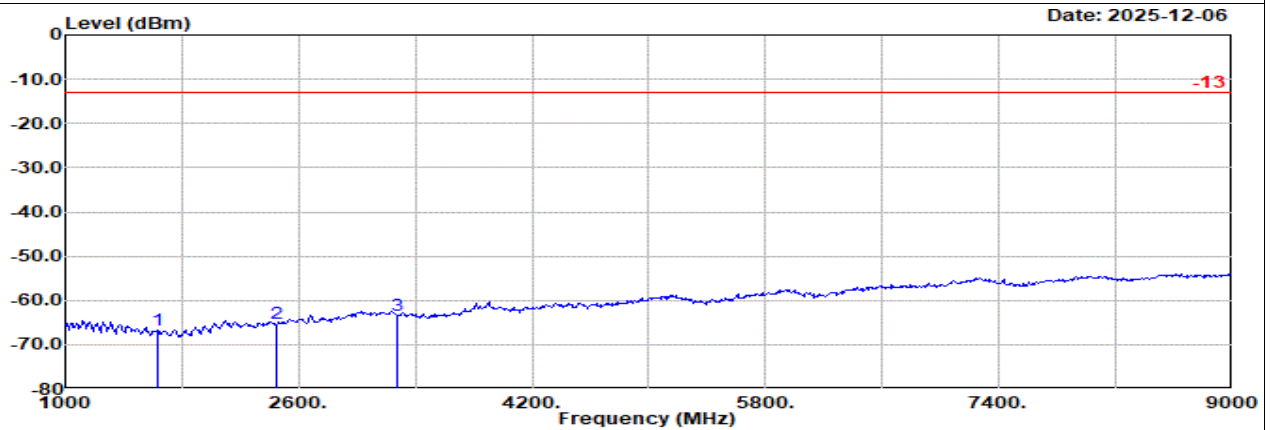
NR SA n26 15M Ch164800 1RB1 BPSK

M



Site : 03CH20-HY  
Condition: -13 3m HF\_9120D\_02360\_251105 Horizontal  
: SA n26 15M Ch164800 1RB1 BPSK

|   | Freq Level |        | Detector | Ant Amp\Cb Filter |        | EIRPCF | Readin g | Limit | Margin Pol |                   |
|---|------------|--------|----------|-------------------|--------|--------|----------|-------|------------|-------------------|
|   | MHz        | dBm    |          | Factor            | dB     |        |          |       |            |                   |
| 1 | 1635.00    | -66.65 | RMS      | 25.35             | -28.85 | 0.49   | -95.23   | 31.59 | -13.00     | -53.65 Horizontal |
| 2 | 2453.00    | -61.84 | RMS      | 27.50             | -27.53 | 0.42   | -95.23   | 33.00 | -13.00     | -48.84 Horizontal |
| 3 | 3270.00    | -63.29 | RMS      | 29.56             | -26.11 | 0.32   | -95.23   | 28.17 | -13.00     | -50.29 Horizontal |



Site : 03CH20-HY  
Condition: -13 3m HF\_9120D\_02360\_251105 Vertical  
: SA n26 15M Ch164800 1RB1 BPSK

|   | Freq Level |        | Detector | Ant Amp\Cb Filter |        | EIRPCF | Readin g | Limit | Margin Pol |                 |
|---|------------|--------|----------|-------------------|--------|--------|----------|-------|------------|-----------------|
|   | MHz        | dBm    |          | Factor            | dB     |        |          |       |            |                 |
| 1 | 1635.00    | -66.74 | RMS      | 25.35             | -28.85 | 0.49   | -95.23   | 31.50 | -13.00     | -53.74 Vertical |
| 2 | 2453.00    | -65.29 | RMS      | 27.50             | -27.53 | 0.42   | -95.23   | 29.55 | -13.00     | -52.29 Vertical |
| 3 | 3270.00    | -63.38 | RMS      | 29.56             | -26.11 | 0.32   | -95.23   | 28.08 | -13.00     | -50.38 Vertical |

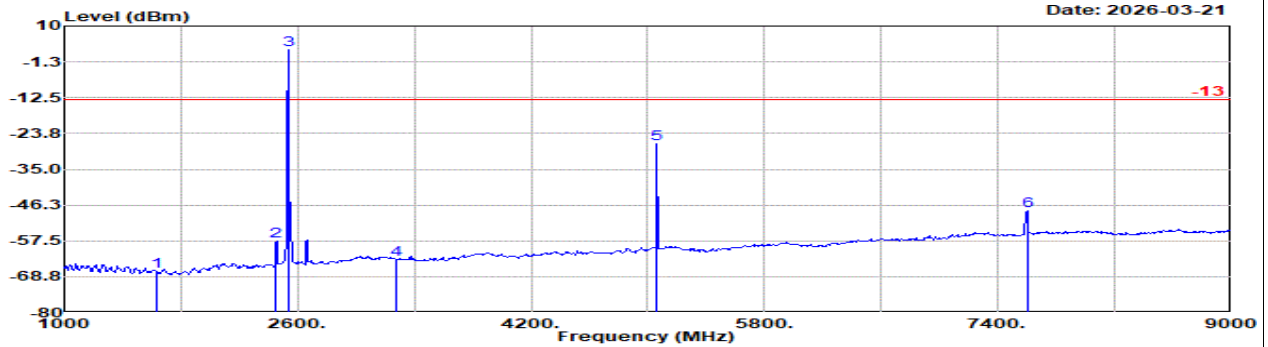


Ant. 2+0

## Part 90S Mode 5

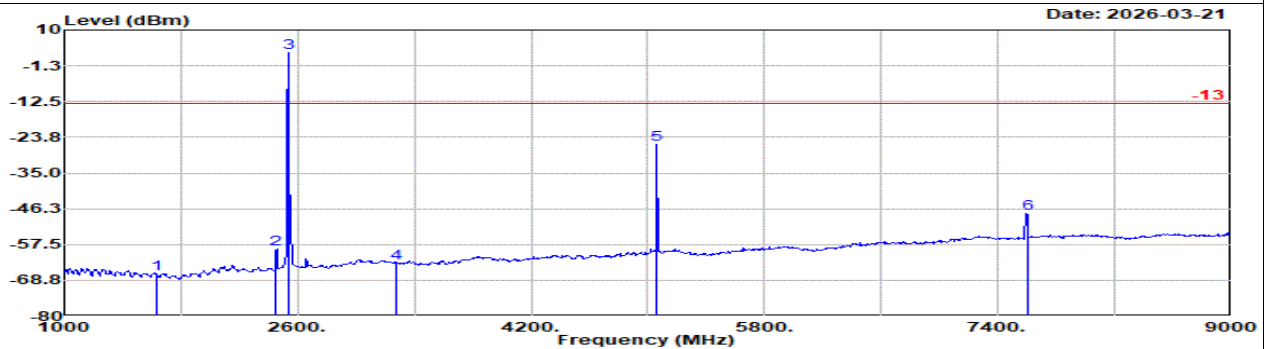
EN-DC B7+n26 10M + 15M Ch21100 1RB0 QPSK + Ch164800 1RB1 BPSK

M



Site : 03CH20-HY  
Condition: -13 3m HF\_9120D\_02360\_251105 Horizontal  
: NR SA N26 15M Ch164800 1RB1 BPSK  
: LTE B7 10M Ch21100 1RB0 QPSK  
: #3 is fundamental signal can be ignored  
: #5 is fundamental signal can be ignored  
: #6 is fundamental signal can be ignored

|   | Freq    | Level  | Detector | Ant Factor | Amp\Cb 1 | Filter | EIRPCF | Readin g | Limit  | Margin | Pol        |
|---|---------|--------|----------|------------|----------|--------|--------|----------|--------|--------|------------|
|   | MHz     | dBm    |          |            | dB       | dB     | dB     | dBuV     | dBm    | dB     |            |
| 1 | 1635.00 | -67.21 | RMS      | 25.35      | -28.81   | 0.49   | -95.23 | 30.99    | -13.00 | -54.21 | Horizontal |
| 2 | 2452.00 | -57.72 | RMS      | 27.50      | -27.50   | 0.33   | -95.23 | 37.18    | -13.00 | -44.72 | Horizontal |
| 3 | 2536.00 | 2.68   | RMS      | 28.00      | -27.33   | 0.32   | -95.23 | 96.92    | -13.00 | 15.68  | Horizontal |
| 4 | 3270.00 | -63.30 | RMS      | 29.56      | -26.06   | 0.22   | -95.23 | 28.21    | -13.00 | -50.30 | Horizontal |
| 5 | 5064.00 | -27.17 | RMS      | 33.04      | -24.84   | 0.22   | -95.23 | 59.64    | -13.00 | -14.17 | Horizontal |
| 6 | 7600.00 | -48.12 | RMS      | 36.30      | -21.68   | 0.25   | -95.23 | 32.24    | -13.00 | -35.12 | Horizontal |



Site : 03CH20-HY  
Condition: -13 3m HF\_9120D\_02360\_251105 Vertical  
: NR SA N26 15M Ch164800 1RB1 BPSK  
: LTE B7 10M Ch21100 1RB0 QPSK  
: #3 is fundamental signal can be ignored  
: #5 is fundamental signal can be ignored  
: #6 is fundamental signal can be ignored

|   | Freq    | Level  | Detector | Ant Factor | Amp\Cb 1 | Filter | EIRPCF | Readin g | Limit  | Margin | Pol      |
|---|---------|--------|----------|------------|----------|--------|--------|----------|--------|--------|----------|
|   | MHz     | dBm    |          |            | dB       | dB     | dB     | dBuV     | dBm    | dB     |          |
| 1 | 1635.00 | -66.75 | RMS      | 25.35      | -28.81   | 0.49   | -95.23 | 31.45    | -13.00 | -53.75 | Vertical |
| 2 | 2452.00 | -58.91 | RMS      | 27.50      | -27.50   | 0.33   | -95.23 | 35.99    | -13.00 | -45.91 | Vertical |
| 3 | 2536.00 | 2.70   | RMS      | 28.00      | -27.33   | 0.32   | -95.23 | 96.94    | -13.00 | 15.70  | Vertical |
| 4 | 3270.00 | -63.27 | RMS      | 29.56      | -26.06   | 0.22   | -95.23 | 28.24    | -13.00 | -50.27 | Vertical |
| 5 | 5064.00 | -25.93 | RMS      | 33.04      | -24.84   | 0.22   | -95.23 | 60.88    | -13.00 | -12.93 | Vertical |
| 6 | 7600.00 | -47.70 | RMS      | 36.30      | -21.68   | 0.25   | -95.23 | 32.66    | -13.00 | -34.70 | Vertical |

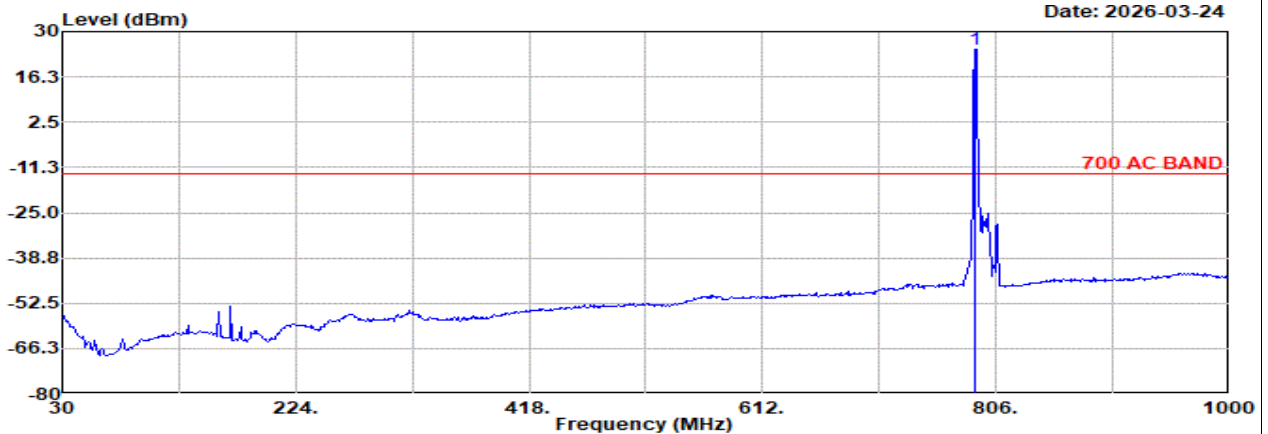


## Ant. 1

Part 90R Mode 4

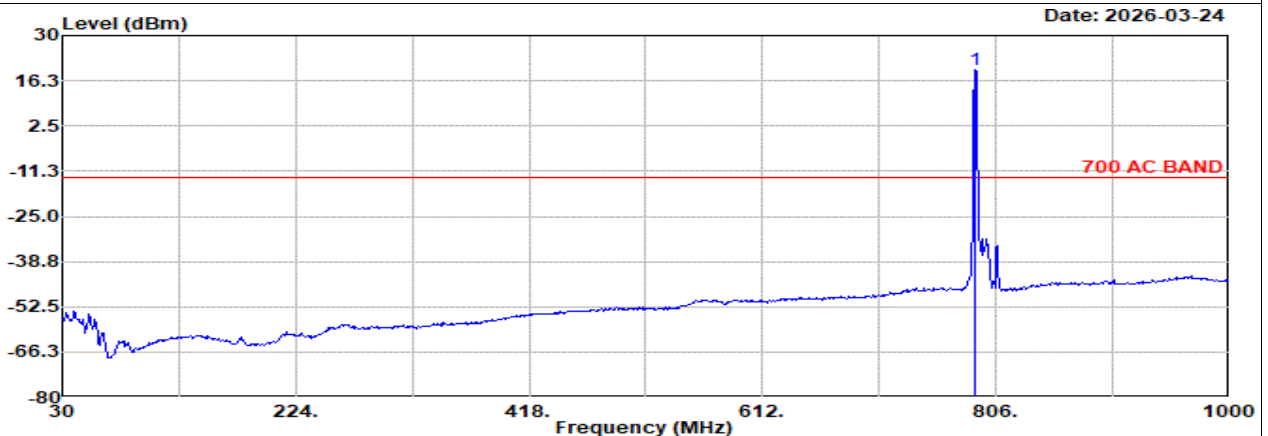
NR SA n14 10M Ch158600 1RB1 BPSK

M



Site : 03CH20-HY  
Condition: 700 AC BAND 3m Bilog\_55606 & 08\_251126 Horizontal  
: SA n14 10M Ch158600 1RB1 BPSK  
: #1 is fundamental signal which can be ignored.

|   | Freq   | Level | Detector | Ant<br>Factor | Amp\Cb<br>1 | Filter | EIRPCF | Readin<br>g | Limit  | Margin | Pol        |
|---|--------|-------|----------|---------------|-------------|--------|--------|-------------|--------|--------|------------|
|   | MHz    | dBm   |          | dB/m          | dB          | dB     | dB     | dBuV        | dBm    | dB     |            |
| 1 | 788.54 | 24.57 | RMS      | 28.20         | 4.89        | 0.00   | -95.23 | 86.71       | -13.00 | 37.57  | Horizontal |



Site : 03CH20-HY  
Condition: 700 AC BAND 3m Bilog\_55606 & 08\_251126 Vertical  
: SA n14 10M Ch158600 1RB1 BPSK  
: #1 is fundamental signal which can be ignored.

|   | Freq   | Level | Detector | Ant<br>Factor | Amp\Cb<br>1 | Filter | EIRPCF | Readin<br>g | Limit  | Margin | Pol      |
|---|--------|-------|----------|---------------|-------------|--------|--------|-------------|--------|--------|----------|
|   | MHz    | dBm   |          | dB/m          | dB          | dB     | dB     | dBuV        | dBm    | dB     |          |
| 1 | 788.54 | 19.78 | RMS      | 28.20         | 4.89        | 0.00   | -95.23 | 81.92       | -13.00 | 32.78  | Vertical |