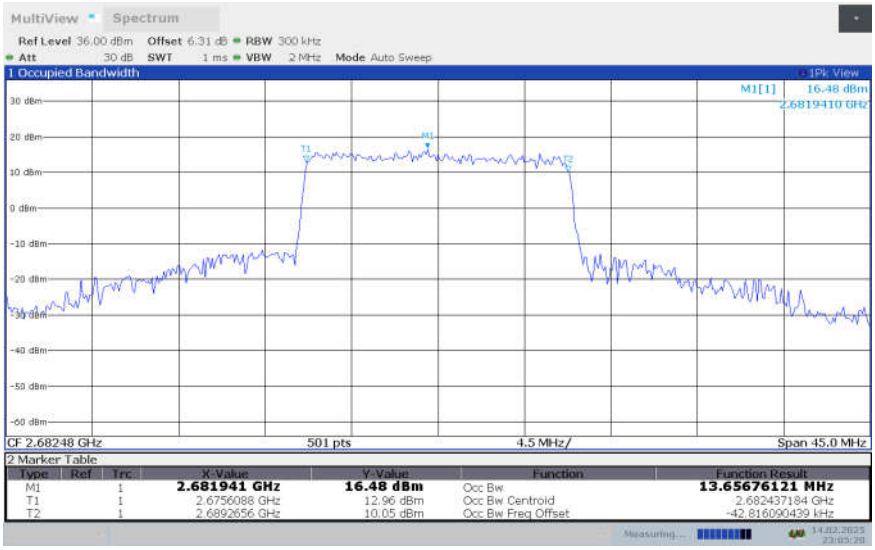
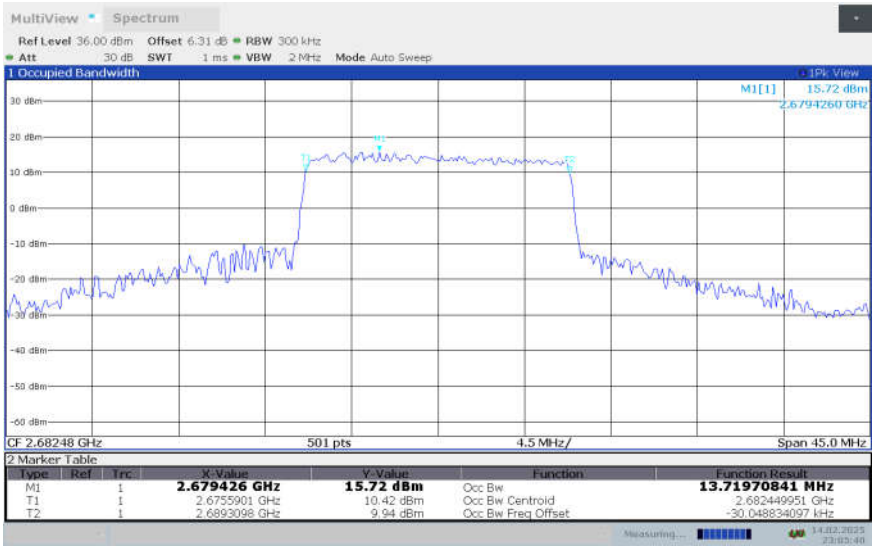



**n41,15MHz Bandwidth,CP-64QAM (99% OBW)**




**n41,15MHz Bandwidth,CP-256QAM (99% OBW)**

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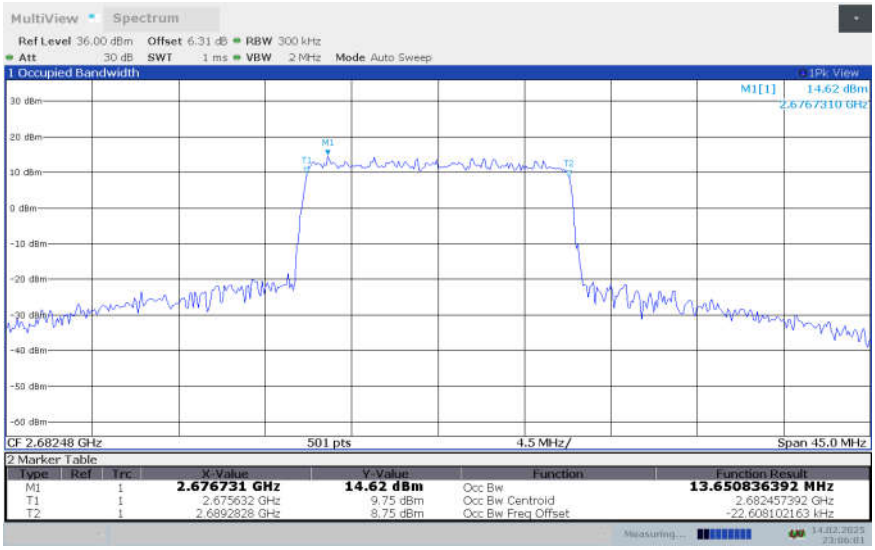


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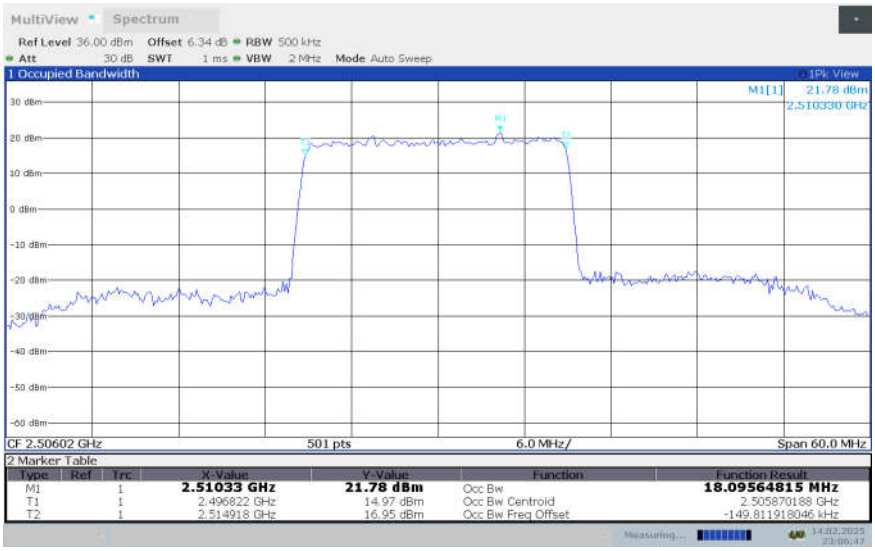
## n41

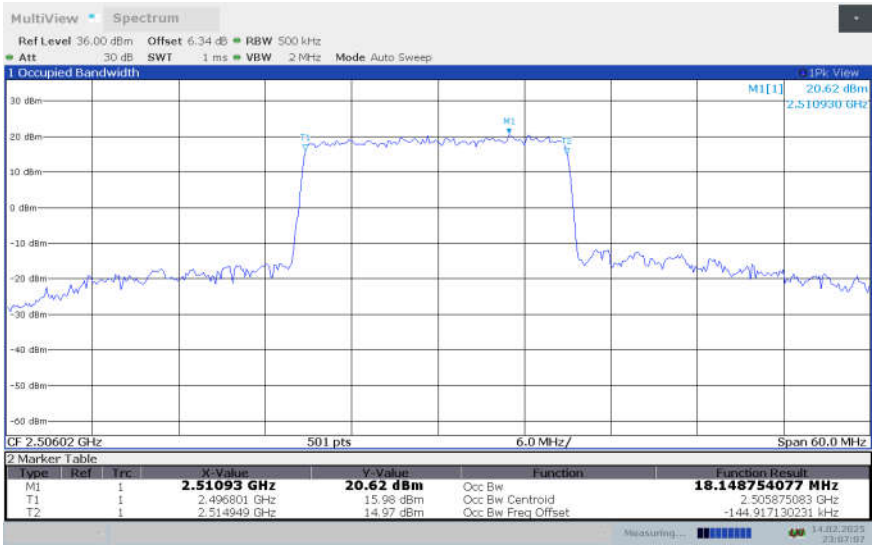
### n41,20MHz(99% OBW)

| Frequency (MHz) | Occupied Bandwidth (99% OBW) (MHz) | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| | DFT-s-pi/2 BPSK | DFT-s-QPSK | DFT-s-16QAM | DFT-s-64QAM | DFT-s-256QAM | CP-QPSK | CP-16QAM | CP-64QAM | CP-256QAM |
| 2506.02 | 18.096 | 18.149 | 18.101 | 18.080 | 18.075 | 18.462 | 18.480 | 18.473 | 18.442 |
| 2592.99 | 18.072 | 18.118 | 18.066 | 18.090 | 18.053 | 18.407 | 18.389 | 18.420 | 18.418 |
| 2679.99 | 18.061 | 18.175 | 18.066 | 18.108 | 18.062 | 18.449 | 18.437 | 18.453 | 18.395 |

### n41,20MHz Bandwidth,DFT-s-pi/2 BPSK (99% OBW)




### n41,20MHz Bandwidth,DFT-s-QPSK (99% OBW)

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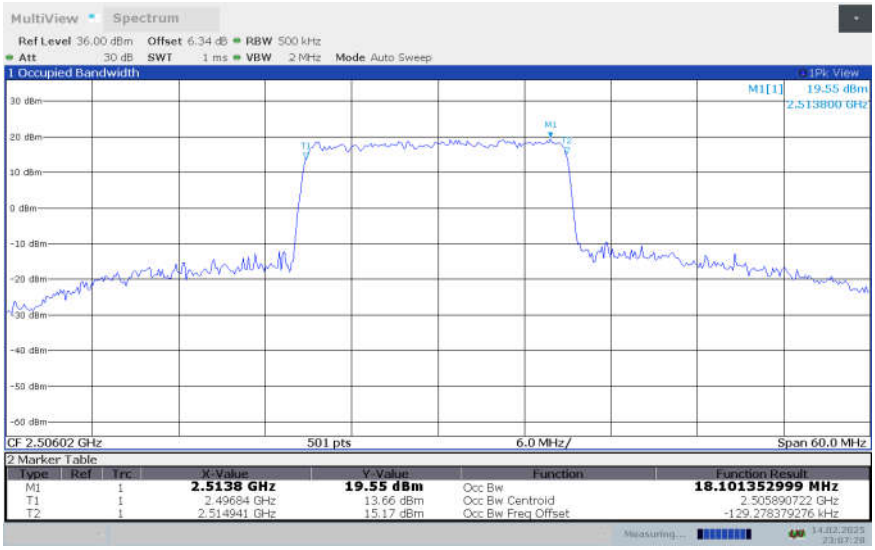
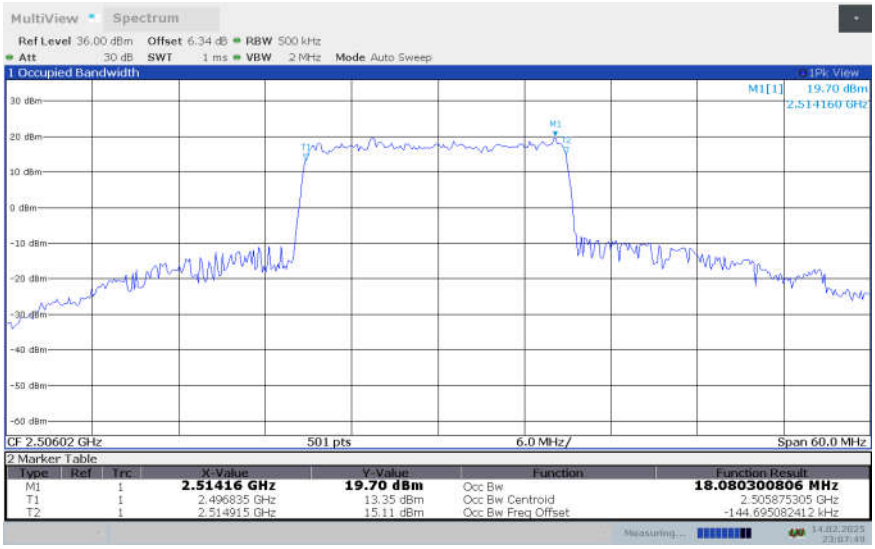
**n41,20MHz Bandwidth,DFT-s-16QAM (99% OBW)**




**n41,20MHz Bandwidth,DFT-s-64QAM (99% OBW)**




**n41,20MHz Bandwidth,DFT-s-256QAM (99% OBW)**

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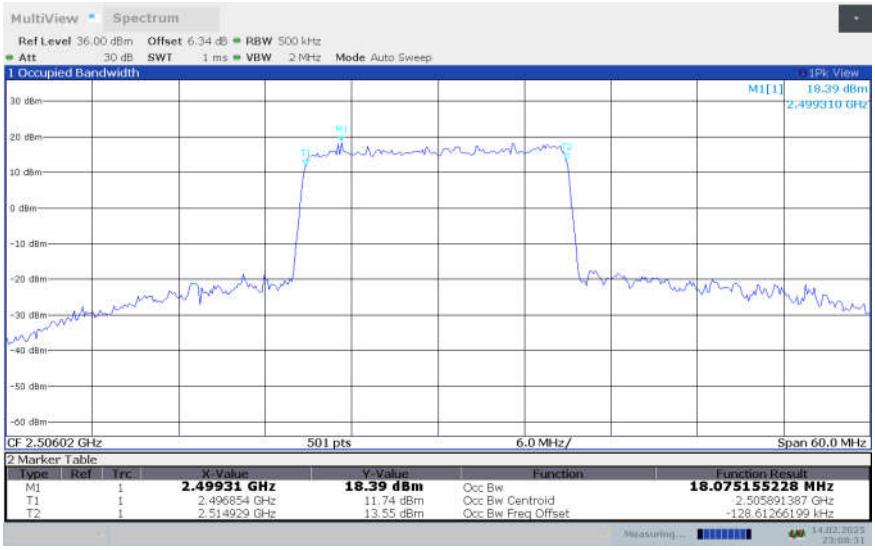
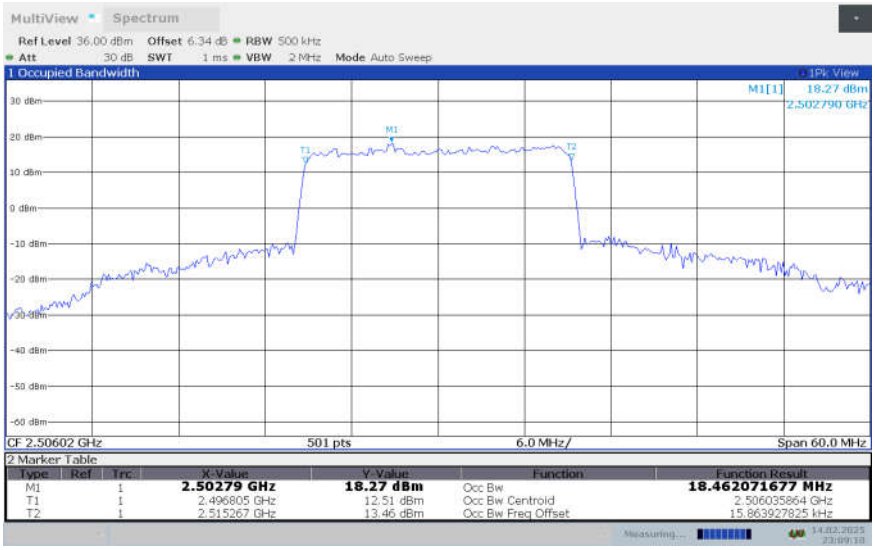



**n41,20MHz Bandwidth,CP-QPSK (99% OBW)**




**n41,20MHz Bandwidth,CP-16QAM (99% OBW)**

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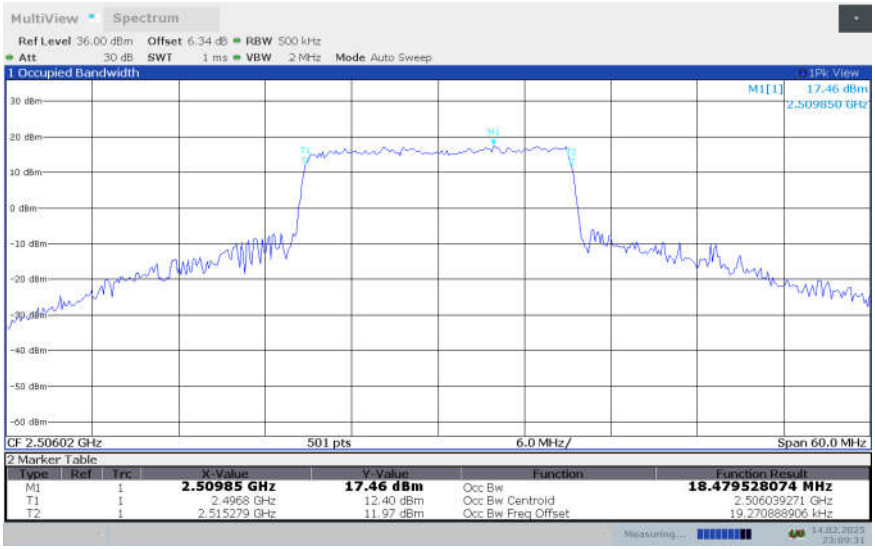
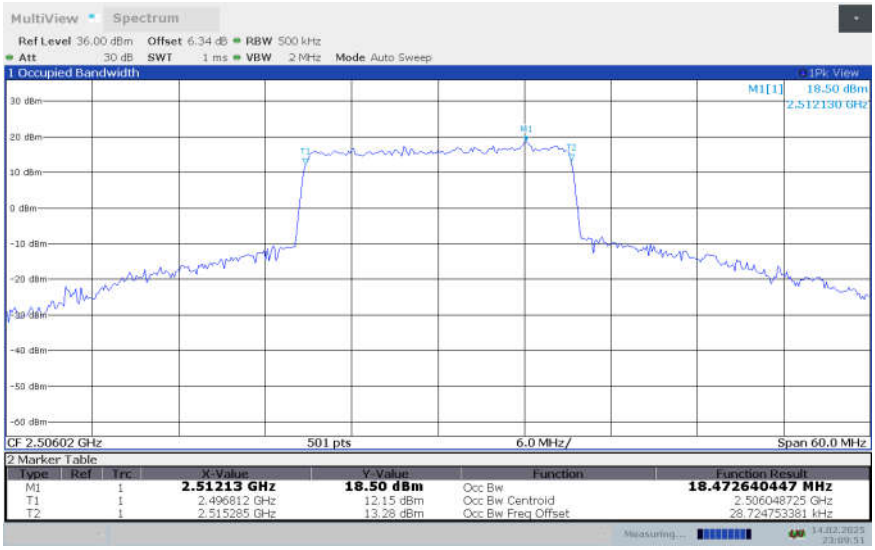



**n41,20MHz Bandwidth,CP-64QAM (99% OBW)**




**n41,20MHz Bandwidth,CP-256QAM (99% OBW)**

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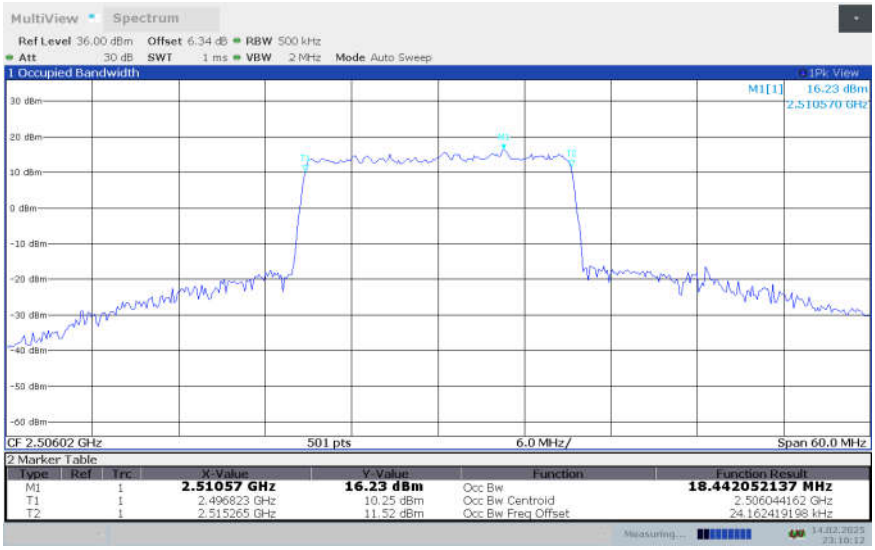


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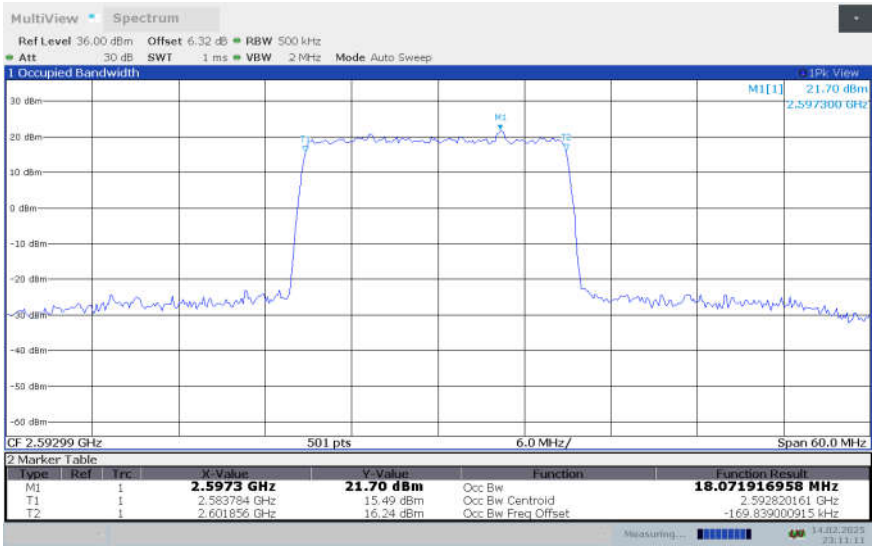


**n41,20MHz Bandwidth,DFT-s-QPSK (99% OBW)**

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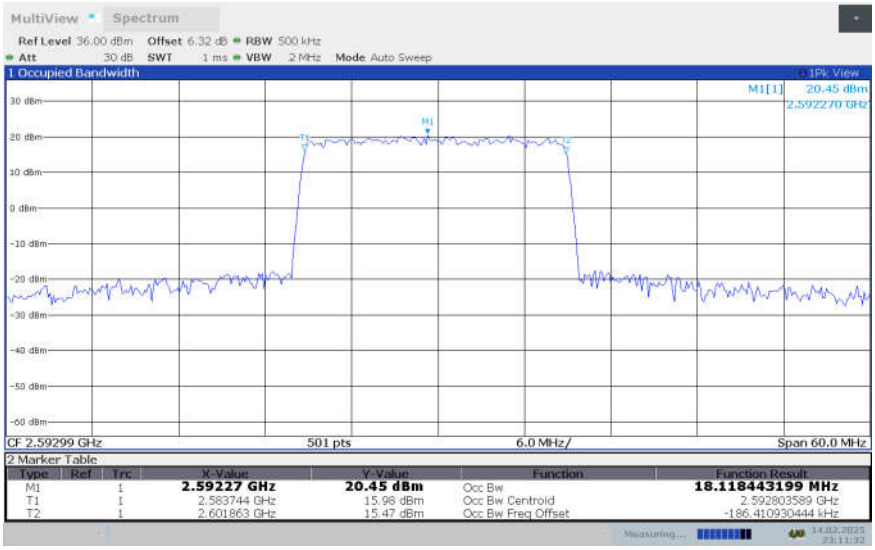
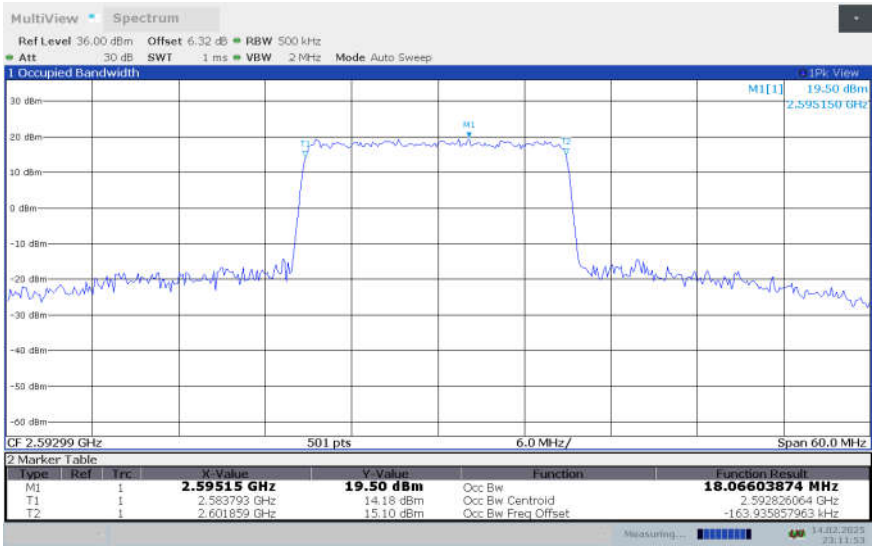



**n41,20MHz Bandwidth,DFT-s-16QAM (99% OBW)**




**n41,20MHz Bandwidth,DFT-s-64QAM (99% OBW)**

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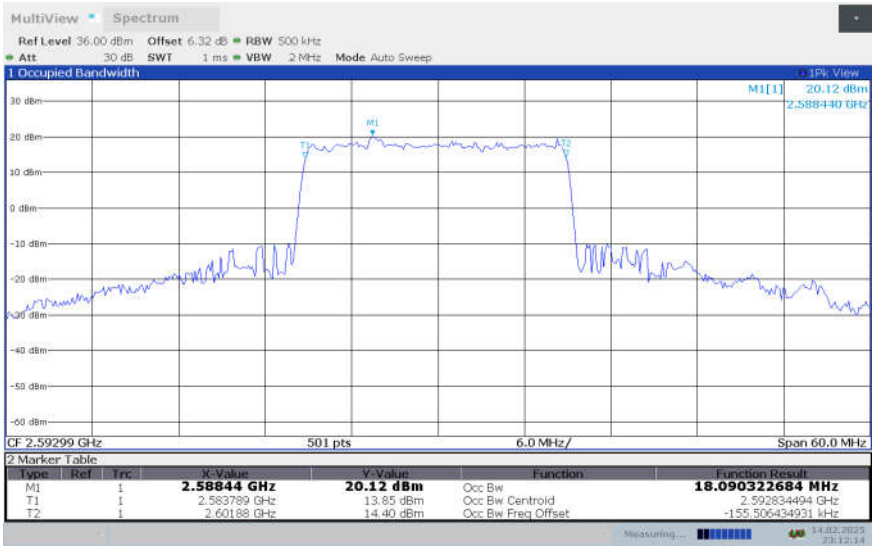
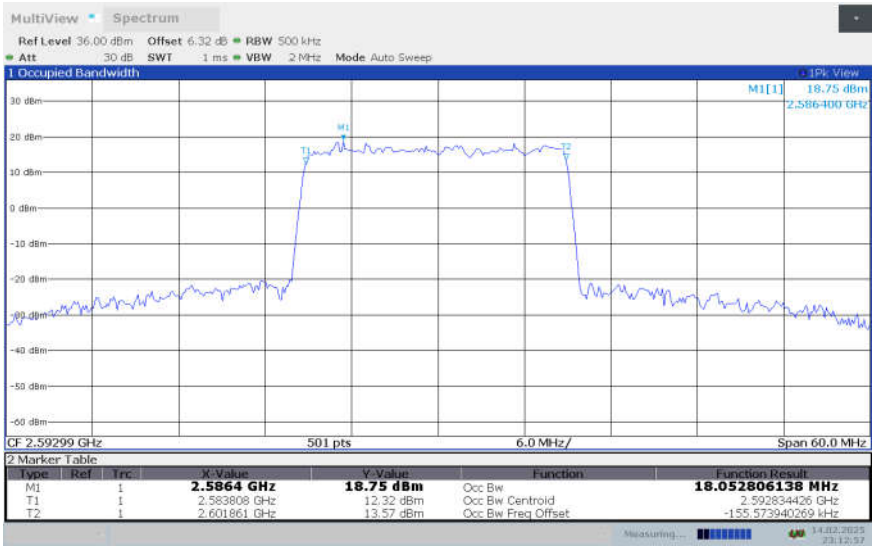



**n41,20MHz Bandwidth,DFT-s-256QAM (99% OBW)**




**n41,20MHz Bandwidth,CP-QPSK (99% OBW)**

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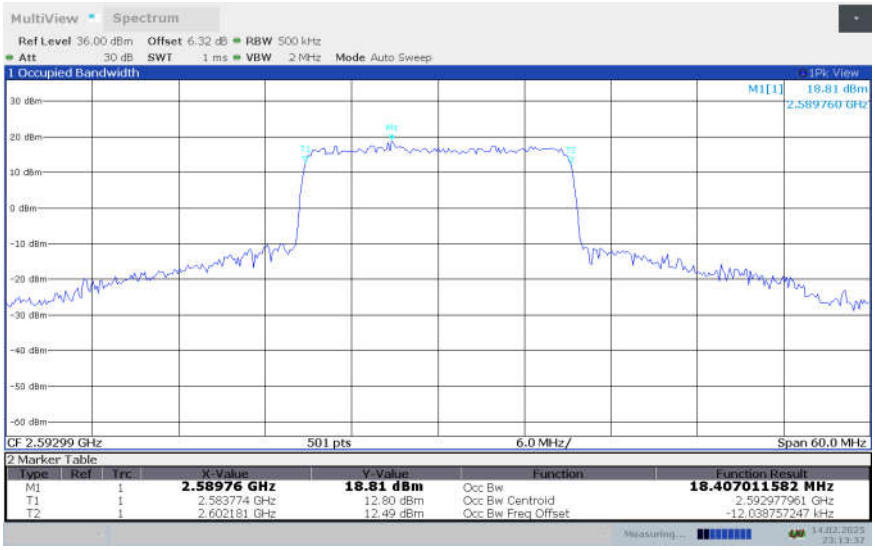


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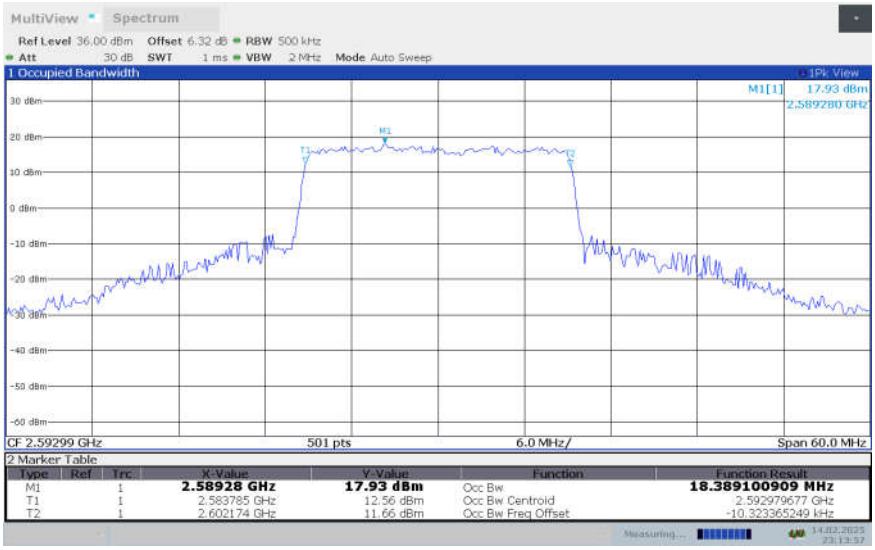


**n41,20MHz Bandwidth,CP-64QAM (99% OBW)**

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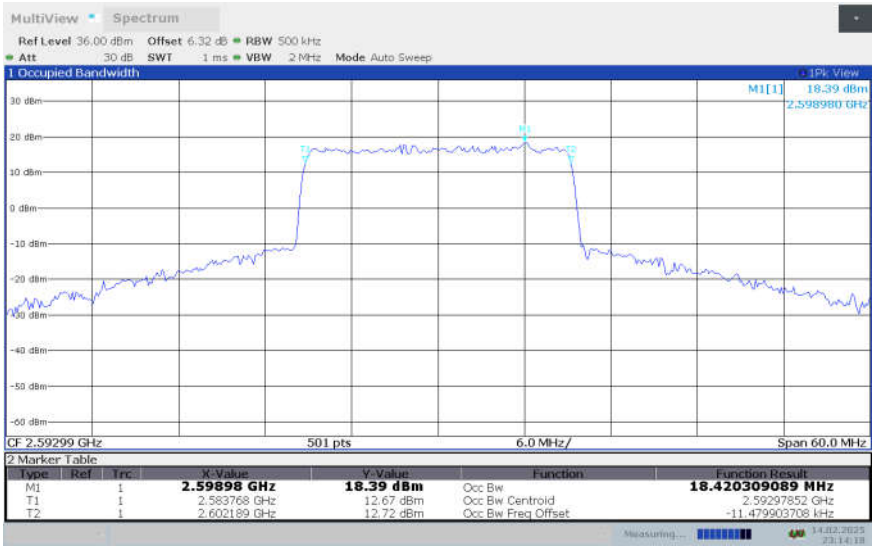


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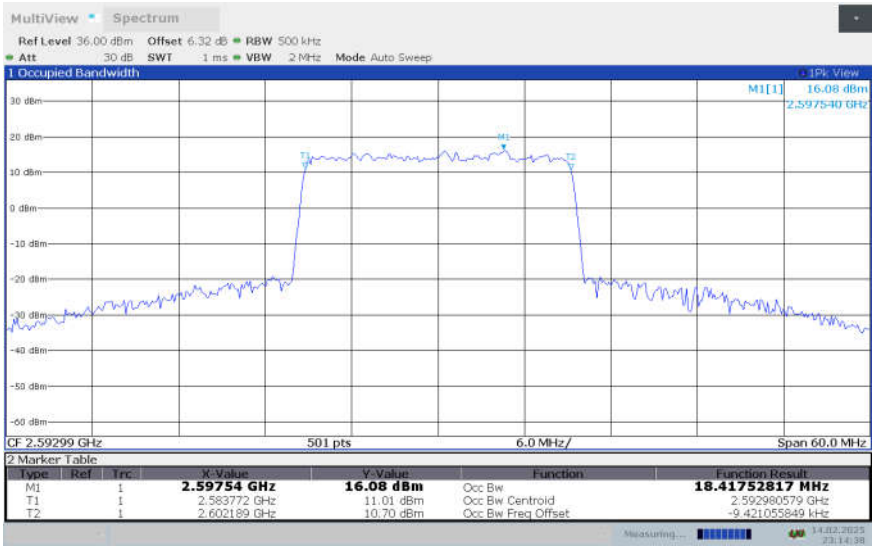


**n41,20MHz Bandwidth,DFT-s-pi/2 BPSK (99% OBW)**

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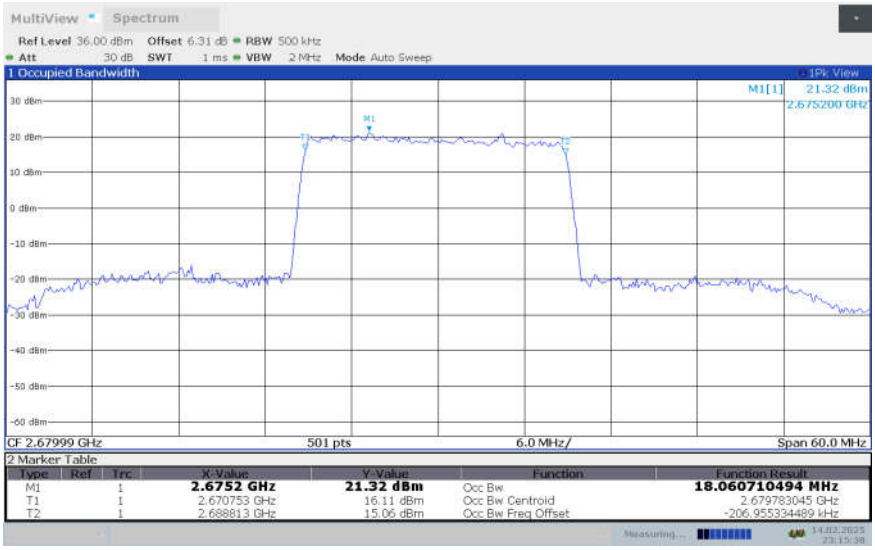
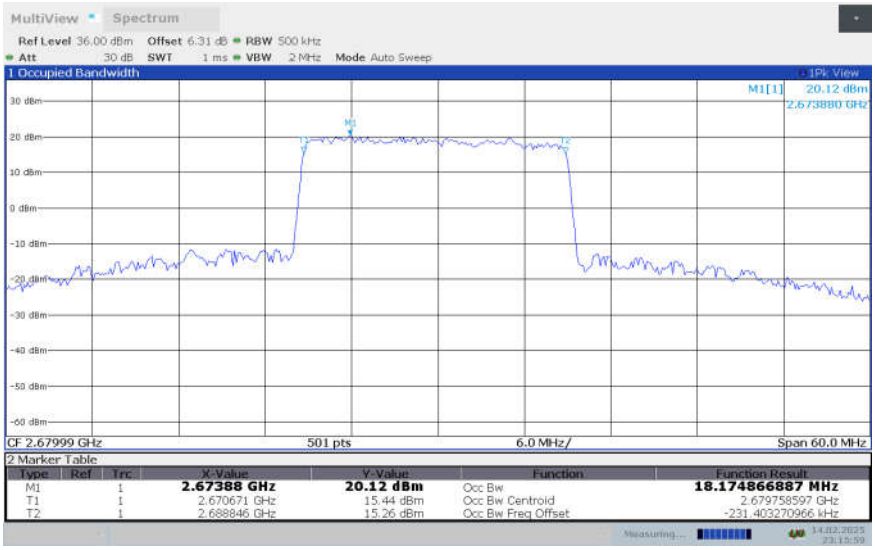



**n41,20MHz Bandwidth,DFT-s-QPSK (99% OBW)**




**n41,20MHz Bandwidth,DFT-s-16QAM (99% OBW)**

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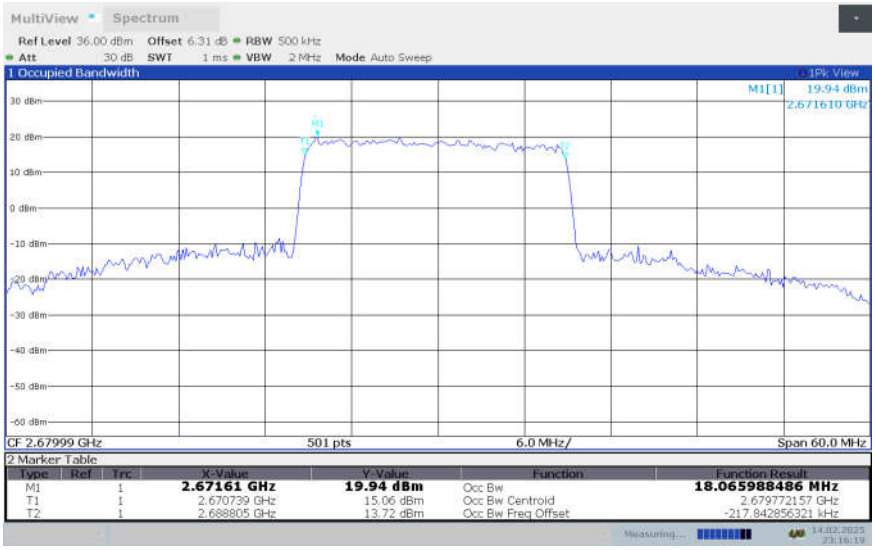
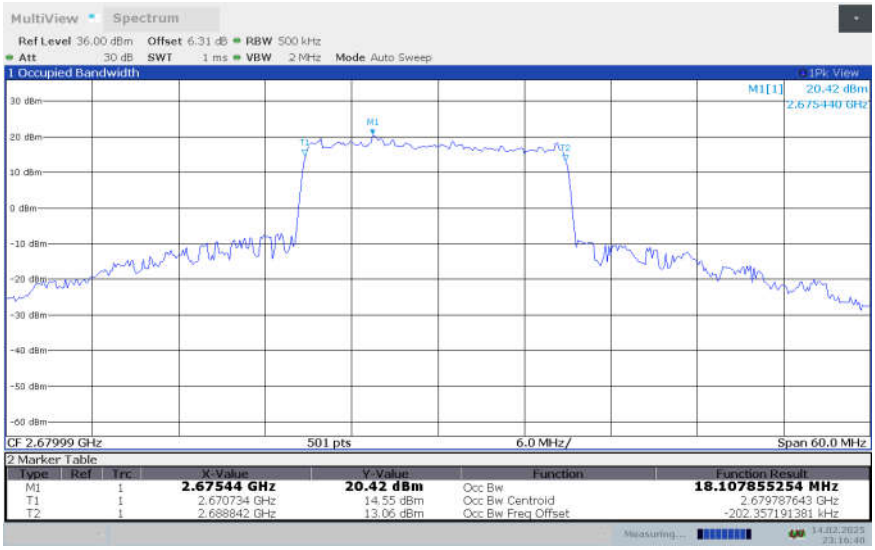



**n41,20MHz Bandwidth,DFT-s-64QAM (99% OBW)**




**n41,20MHz Bandwidth,DFT-s-256QAM (99% OBW)**

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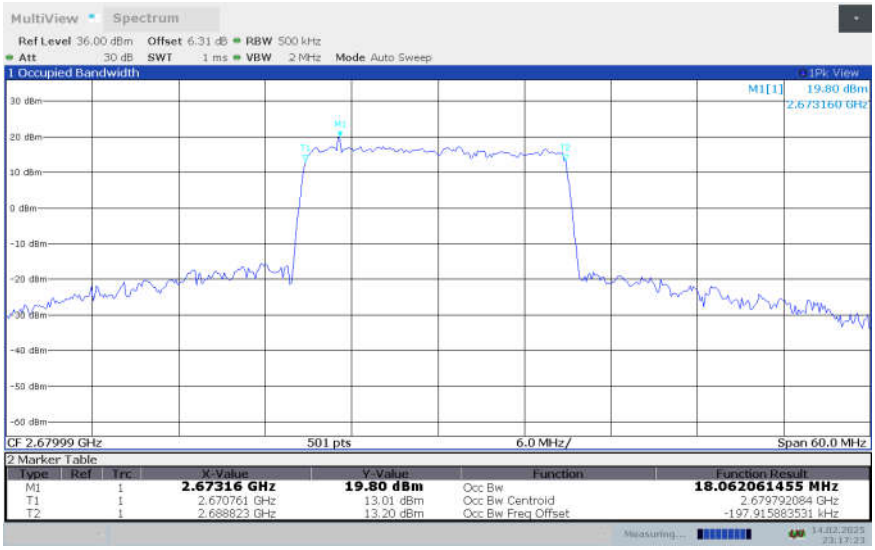
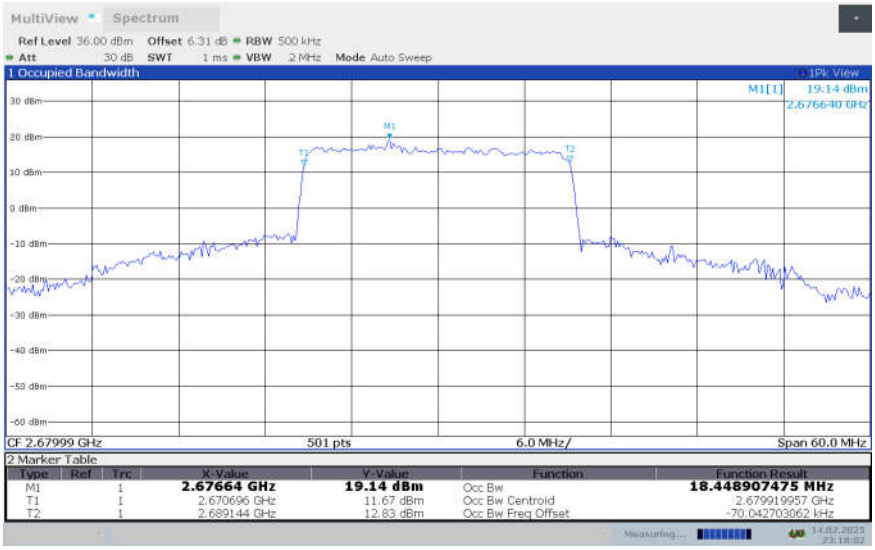



**n41,20MHz Bandwidth,CP-QPSK (99% OBW)**




**n41,20MHz Bandwidth,CP-16QAM (99% OBW)**

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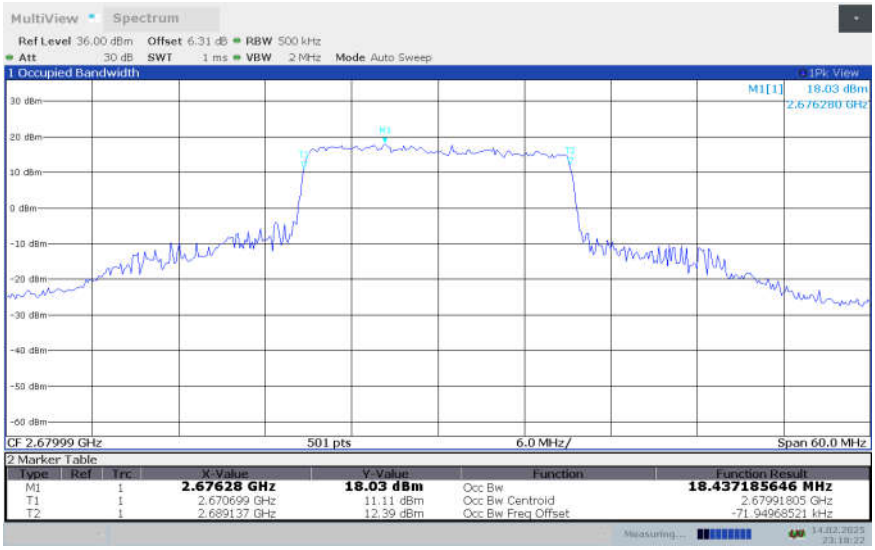
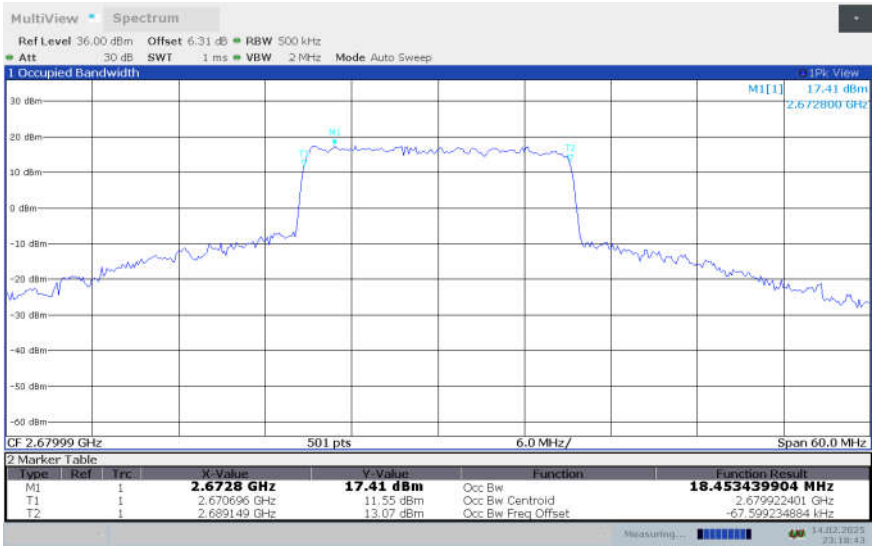



**n41,20MHz Bandwidth,CP-64QAM (99% OBW)**




**n41,20MHz Bandwidth,CP-256QAM (99% OBW)**

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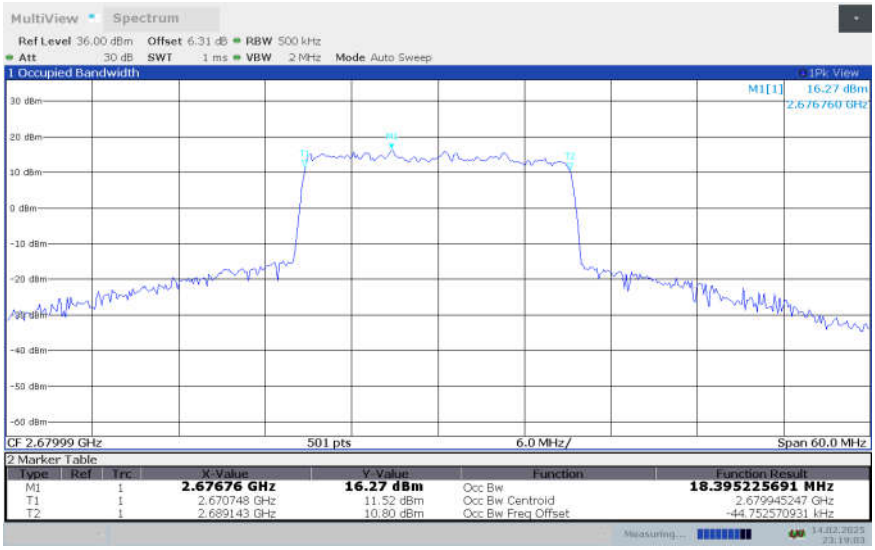


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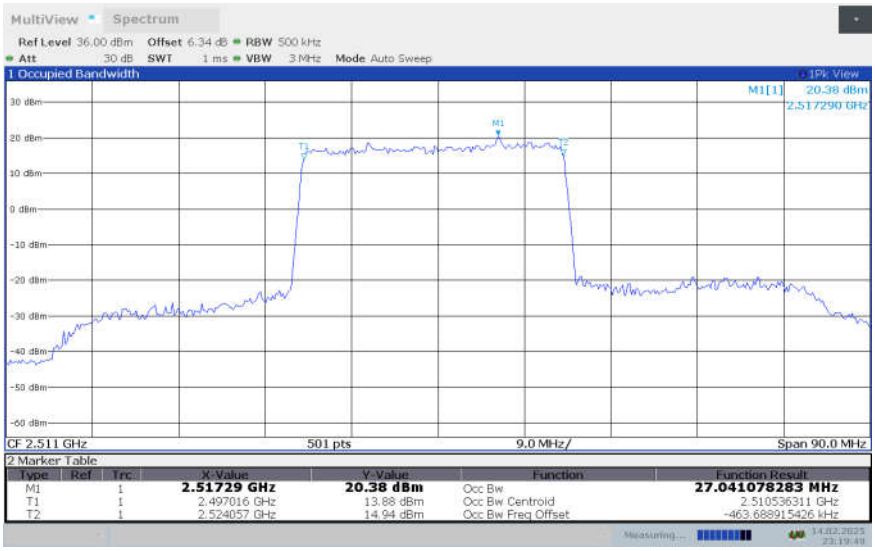
## n41

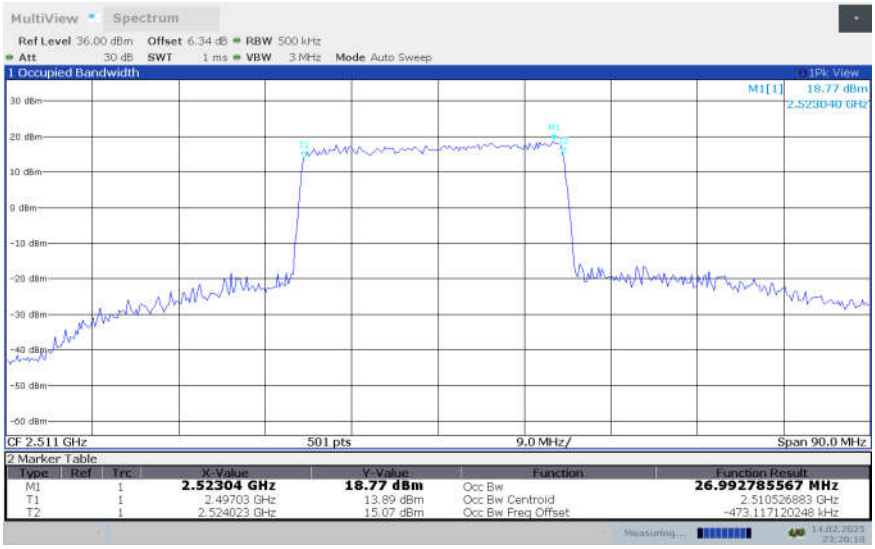
### n41,30MHz(99% OBW)

| Frequency (MHz) | Occupied Bandwidth (99% OBW) (MHz) | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| | DFT-s-pi/2 BPSK | DFT-s-QPSK | DFT-s-16QAM | DFT-s-64QAM | DFT-s-256QAM | CP-QPSK | CP-16QAM | CP-64QAM | CP-256QAM |
| 2511 | 27.041 | 26.993 | 26.931 | 26.935 | 26.959 | 27.941 | 27.977 | 28.038 | 27.935 |
| 2592.99 | 26.984 | 26.995 | 26.964 | 26.941 | 26.872 | 27.999 | 27.959 | 28.000 | 27.950 |
| 2674.98 | 26.908 | 26.921 | 26.901 | 26.884 | 26.845 | 28.009 | 27.990 | 27.986 | 27.906 |

### n41,30MHz Bandwidth,DFT-s-pi/2 BPSK (99% OBW)




### n41,30MHz Bandwidth,DFT-s-QPSK (99% OBW)

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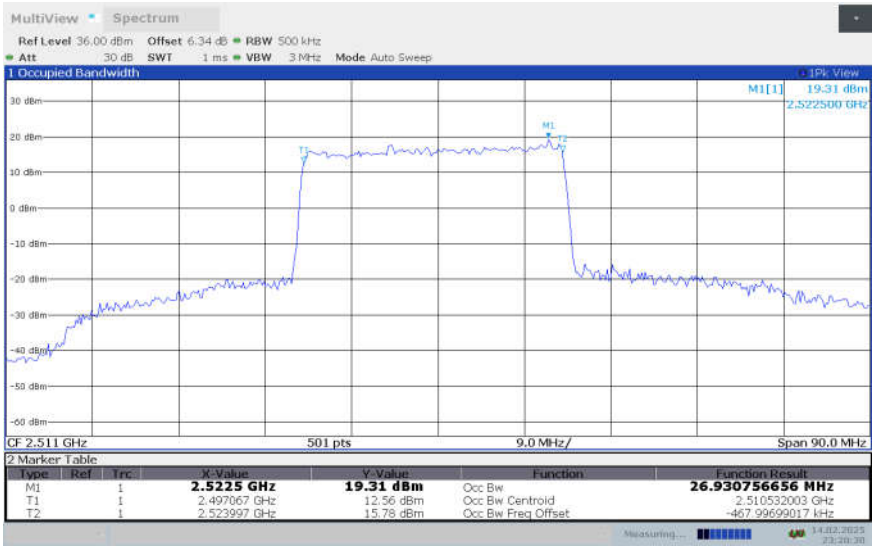
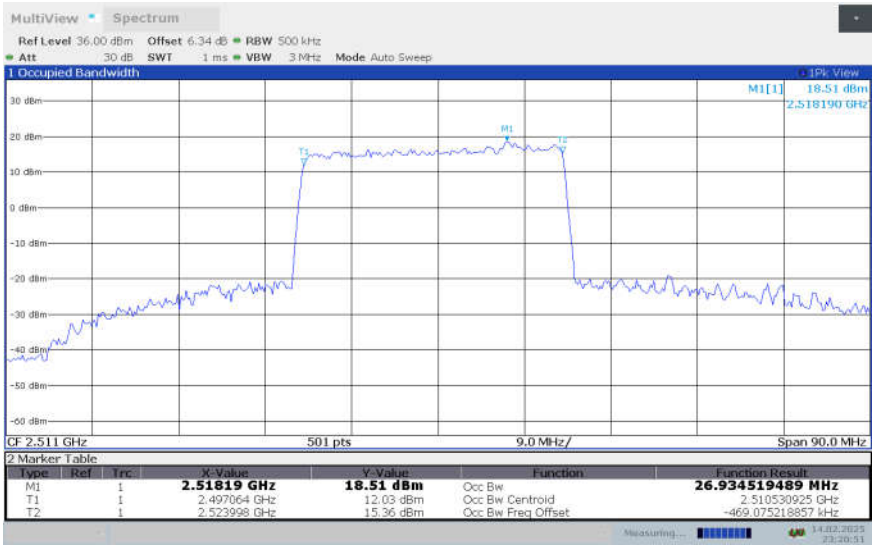
**n41,30MHz Bandwidth,DFT-s-16QAM (99% OBW)**




**n41,30MHz Bandwidth,DFT-s-64QAM (99% OBW)**




**n41,30MHz Bandwidth,DFT-s-256QAM (99% OBW)**

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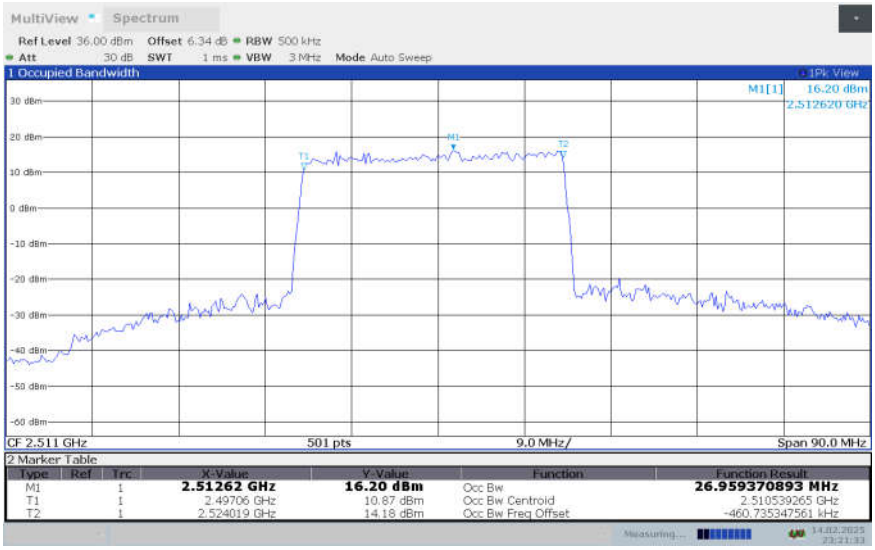
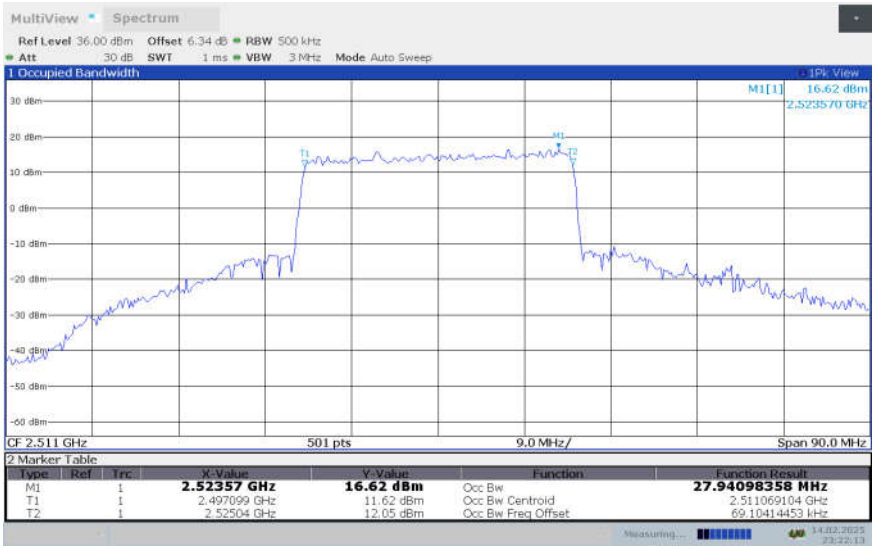



**n41,30MHz Bandwidth,CP-QPSK (99% OBW)**




**n41,30MHz Bandwidth,CP-16QAM (99% OBW)**

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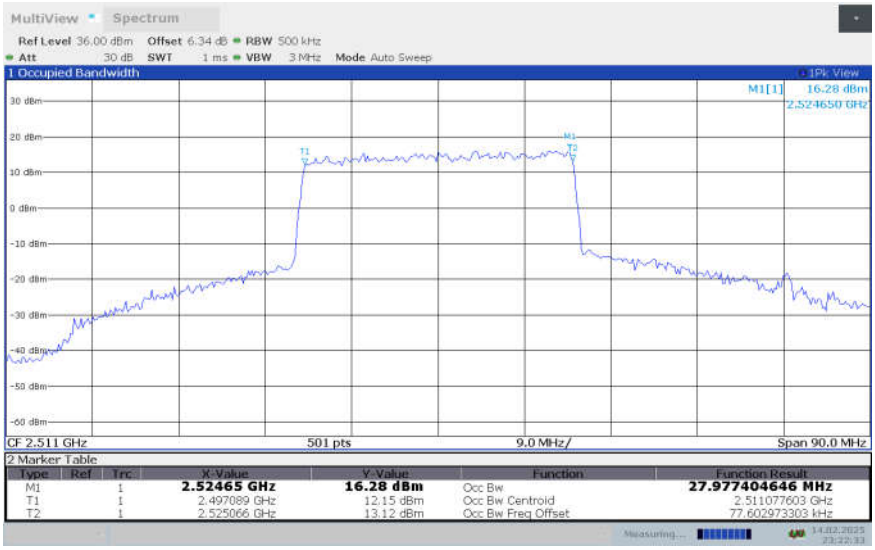
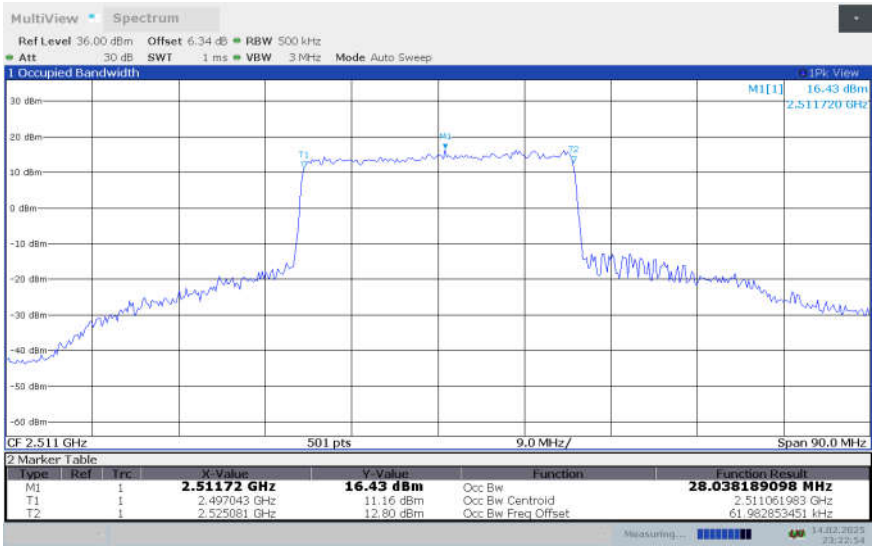



**n41,30MHz Bandwidth,CP-64QAM (99% OBW)**




**n41,30MHz Bandwidth,CP-256QAM (99% OBW)**

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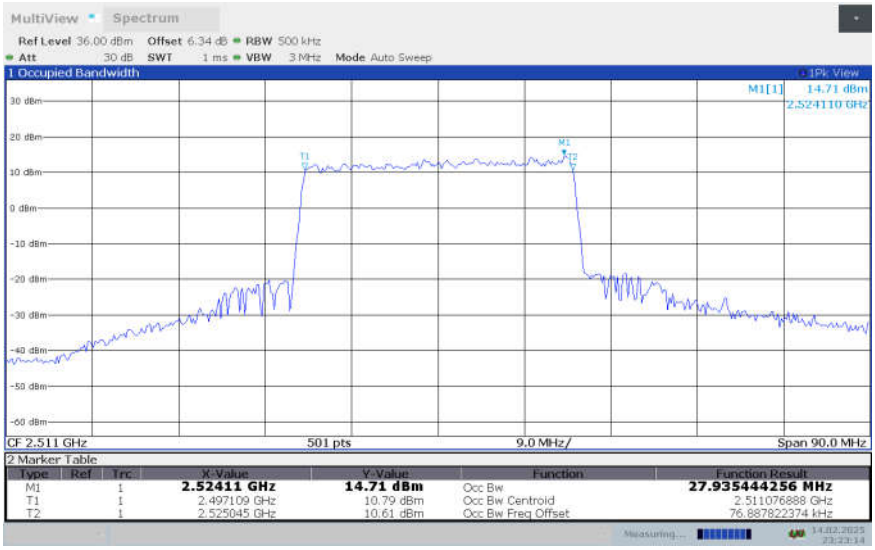
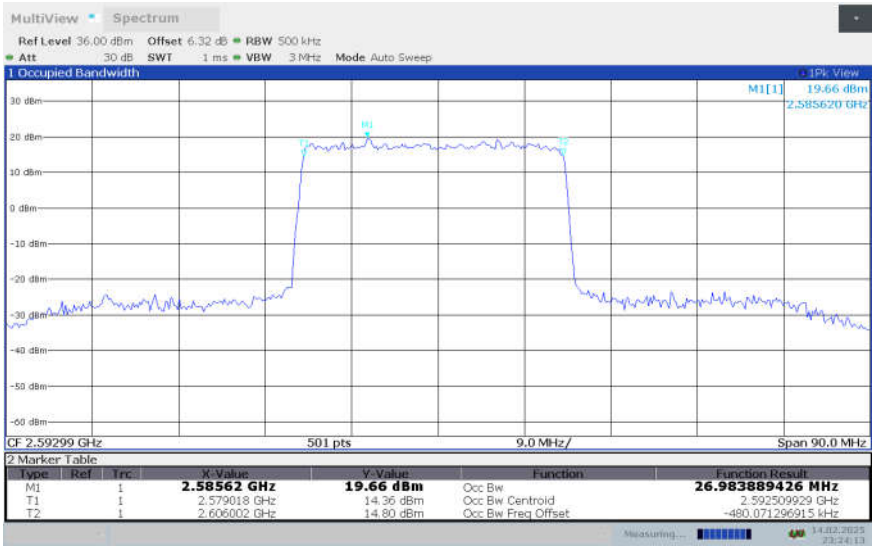



**n41,30MHz Bandwidth,DFT-s-pi/2 BPSK (99% OBW)**




**n41,30MHz Bandwidth,DFT-s-QPSK (99% OBW)**

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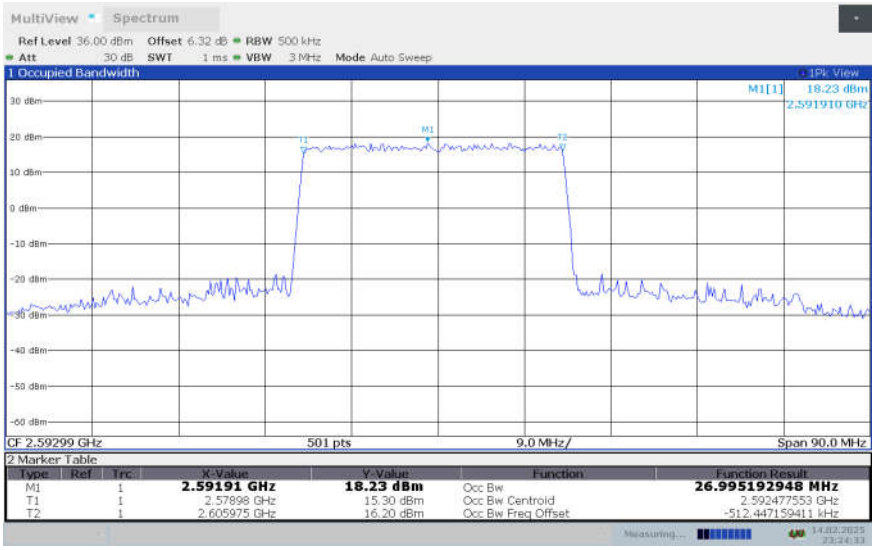
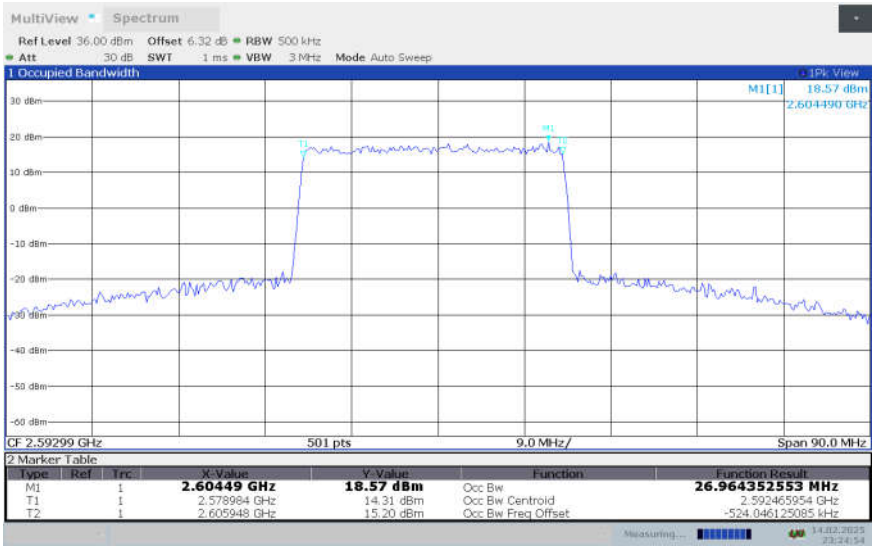



**n41,30MHz Bandwidth,DFT-s-16QAM (99% OBW)**




**n41,30MHz Bandwidth,DFT-s-64QAM (99% OBW)**

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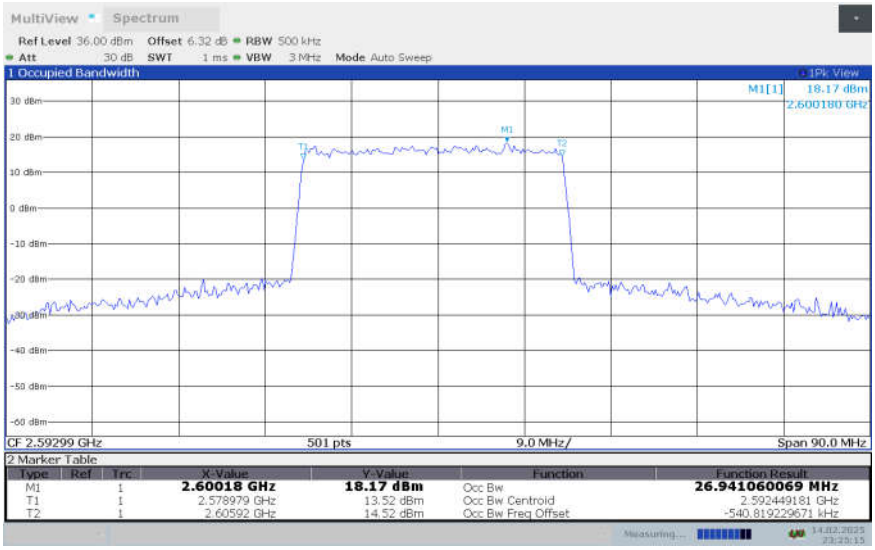
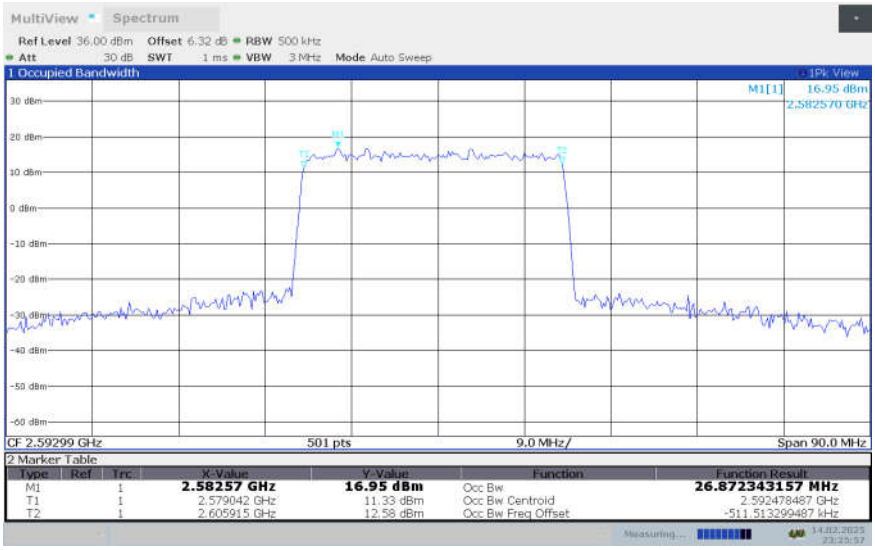



**n41,30MHz Bandwidth,DFT-s-256QAM (99% OBW)**




**n41,30MHz Bandwidth,CP-QPSK (99% OBW)**

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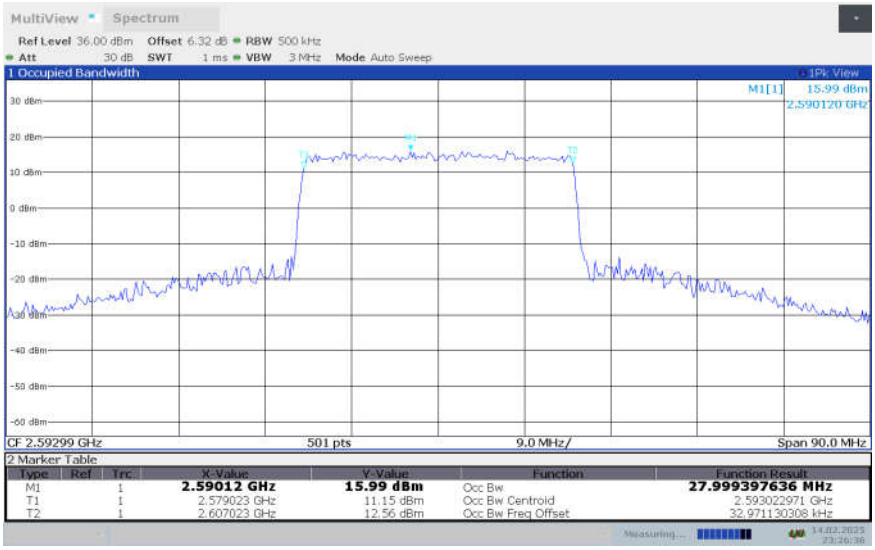
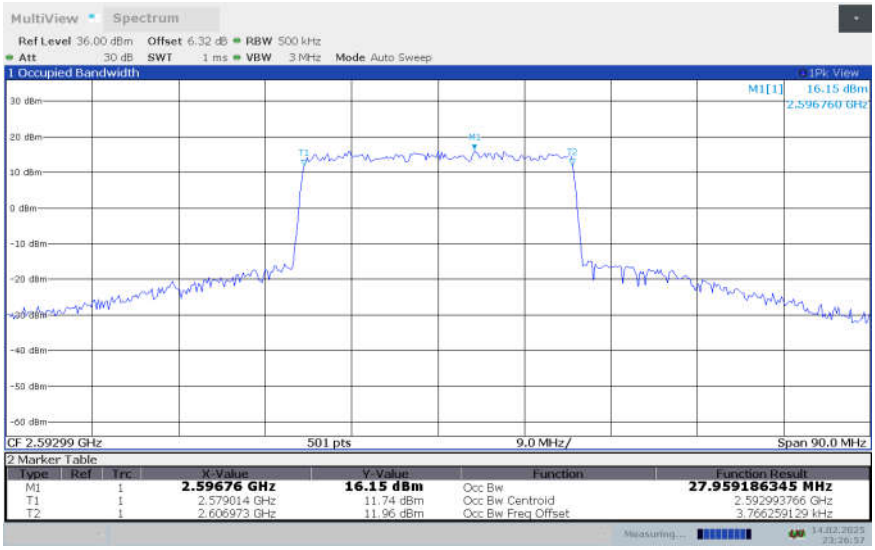



**n41,30MHz Bandwidth,CP-16QAM (99% OBW)**




**n41,30MHz Bandwidth,CP-64QAM (99% OBW)**

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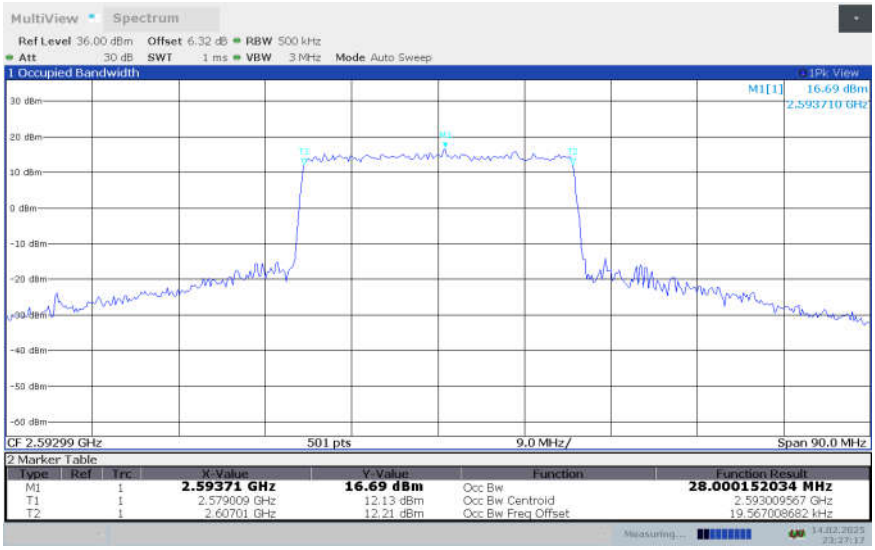
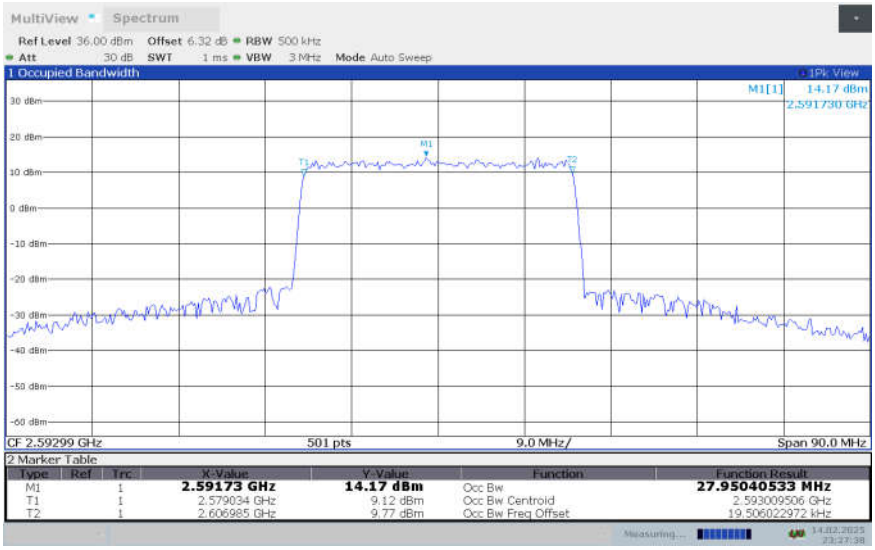



**n41,30MHz Bandwidth,CP-256QAM (99% OBW)**




**n41,30MHz Bandwidth,DFT-s-pi/2 BPSK (99% OBW)**

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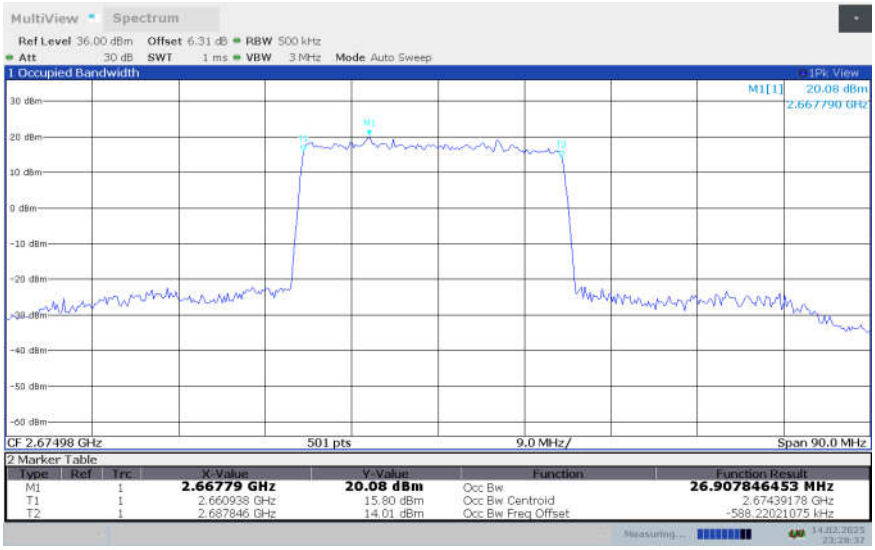
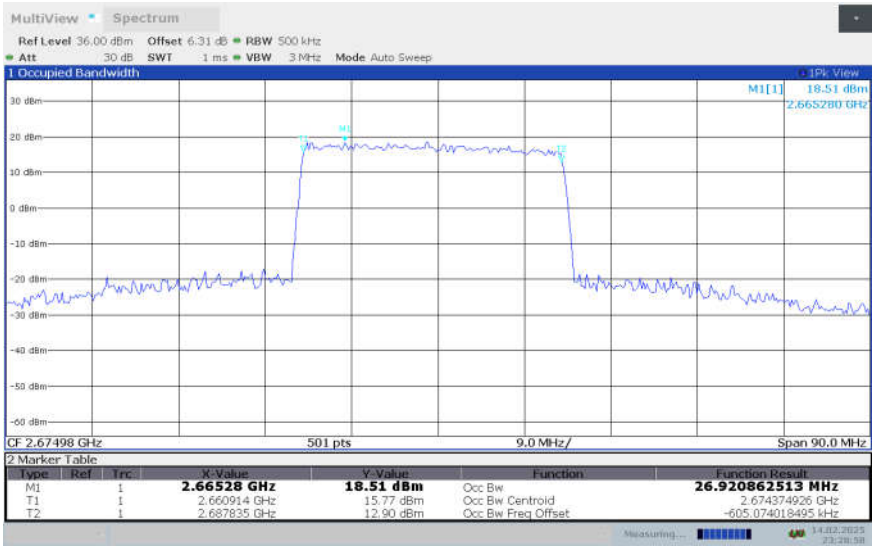



**n41,30MHz Bandwidth,DFT-s-QPSK (99% OBW)**




**n41,30MHz Bandwidth,DFT-s-16QAM (99% OBW)**

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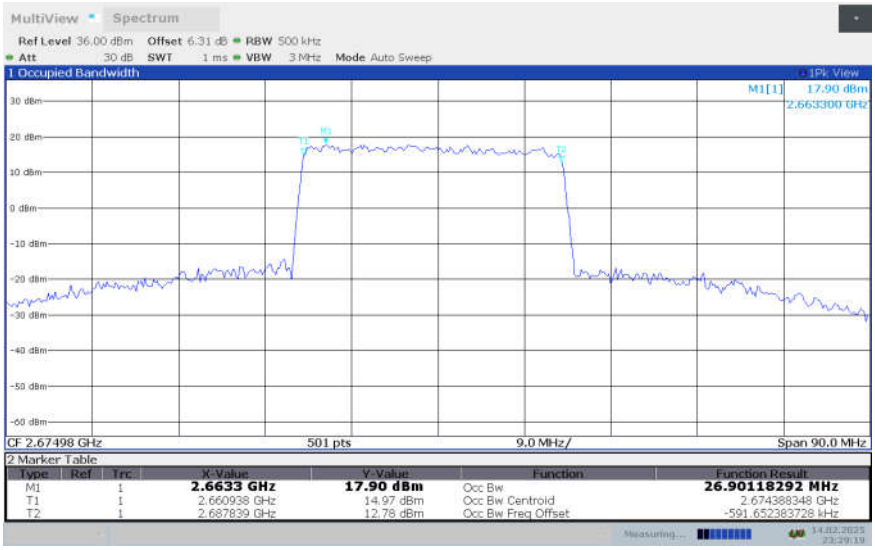
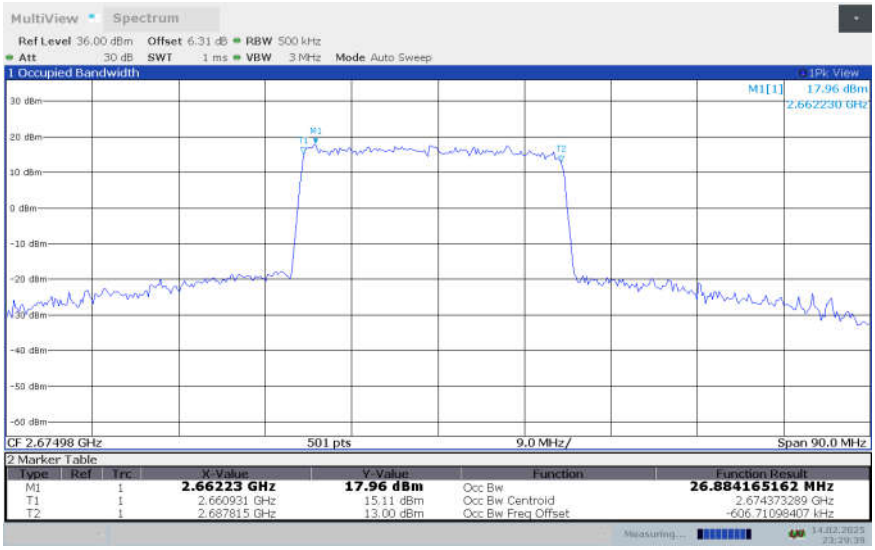



**n41,30MHz Bandwidth,DFT-s-64QAM (99% OBW)**




**n41,30MHz Bandwidth,DFT-s-256QAM (99% OBW)**

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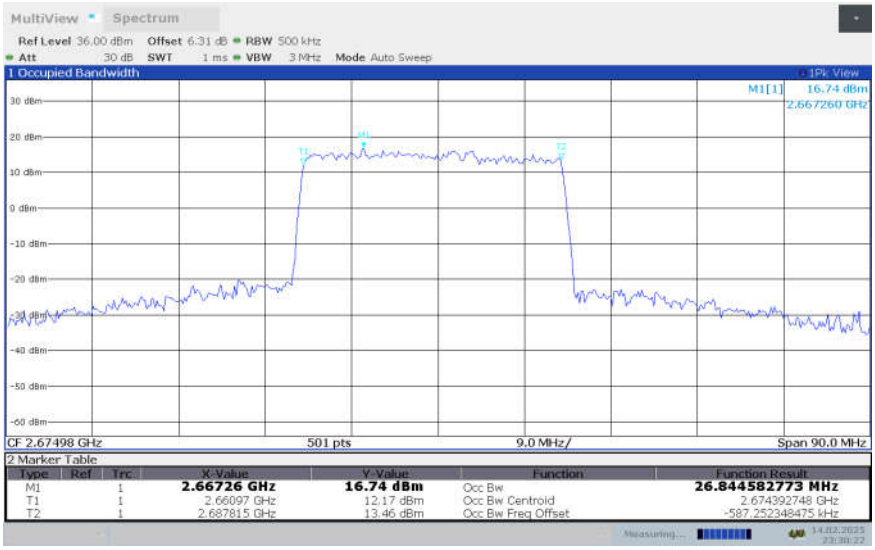
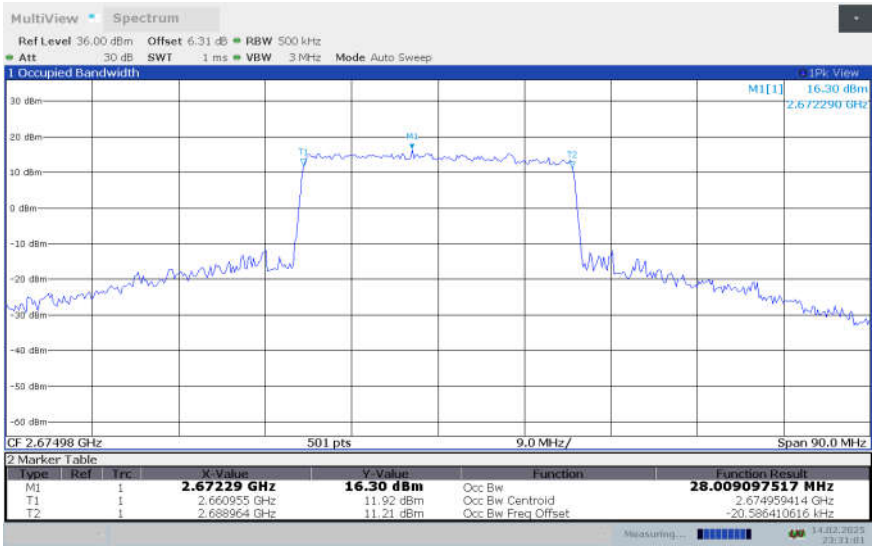



**n41,30MHz Bandwidth,CP-QPSK (99% OBW)**




**n41,30MHz Bandwidth,CP-16QAM (99% OBW)**

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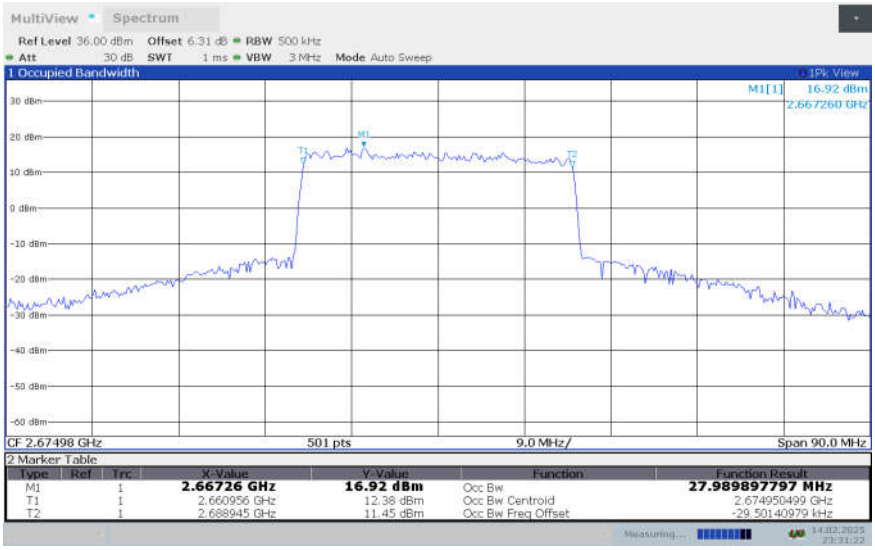
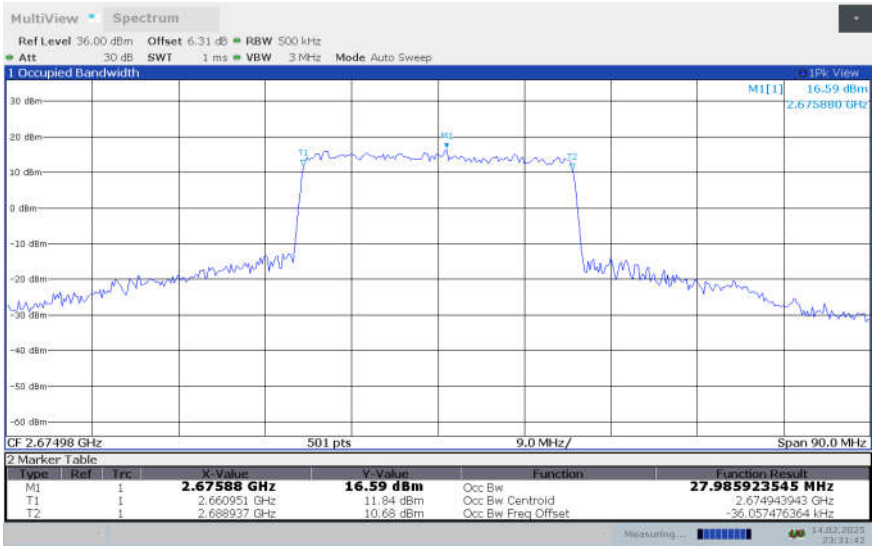



**n41,30MHz Bandwidth,CP-64QAM (99% OBW)**




**n41,30MHz Bandwidth,CP-256QAM (99% OBW)**

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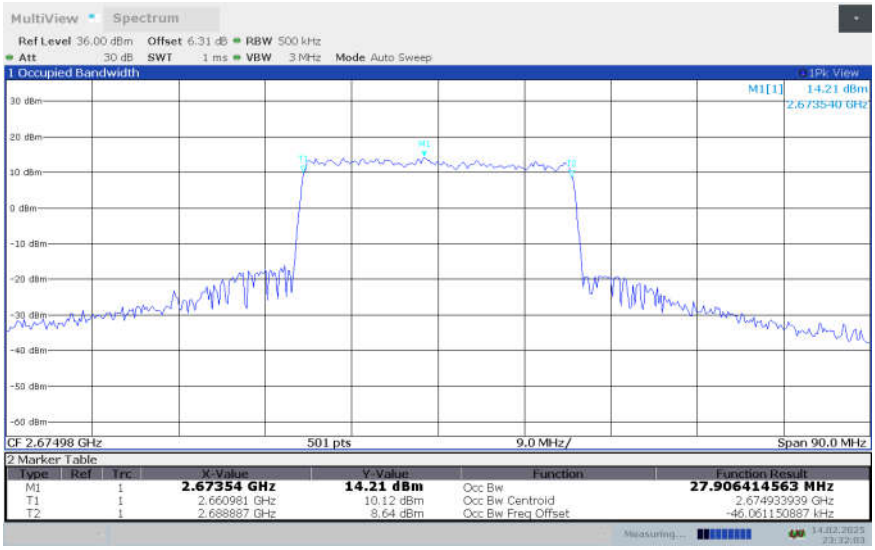


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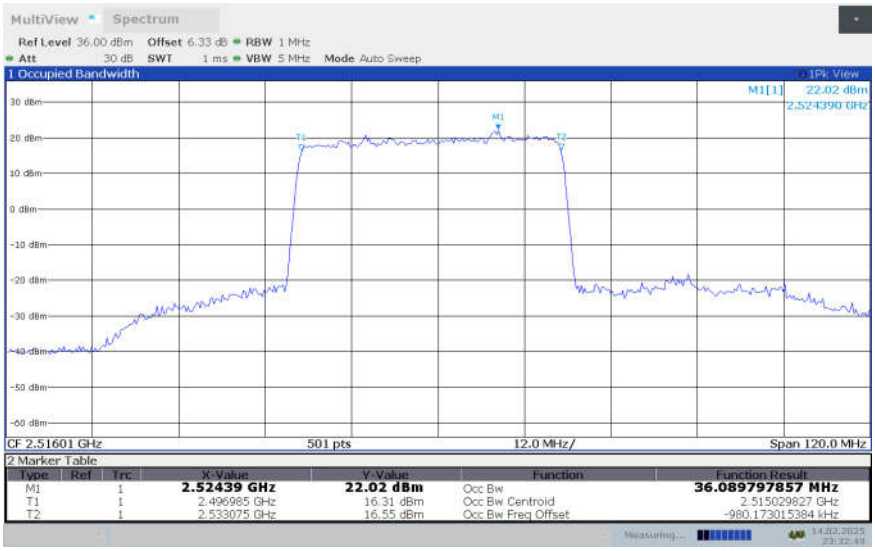
**n41**

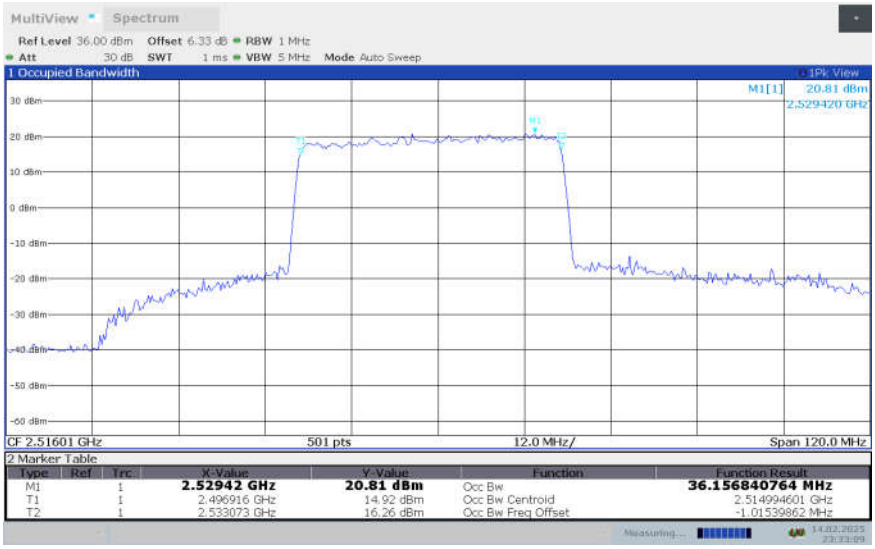
## n41,40MHz(99% OBW)

| Frequency (MHz) | Occupied Bandwidth (99% OBW) (MHz) | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| | DFT-s-pi/2 BPSK | DFT-s-QPSK | DFT-s-16QAM | DFT-s-64QAM | DFT-s-256QAM | CP-QPSK | CP-16QAM | CP-64QAM | CP-256QAM |
| 2516.01 | 36.090 | 36.157 | 36.048 | 36.160 | 35.914 | 38.191 | 38.228 | 38.167 | 38.108 |
| 2592.99 | 36.027 | 36.141 | 35.946 | 36.085 | 35.954 | 38.263 | 38.225 | 38.169 | 38.050 |
| 2670 | 36.001 | 36.057 | 35.967 | 36.102 | 35.931 | 38.203 | 38.150 | 38.157 | 38.172 |

## n41,40MHz Bandwidth,DFT-s-pi/2 BPSK (99% OBW)




## n41,40MHz Bandwidth,DFT-s-QPSK (99% OBW)

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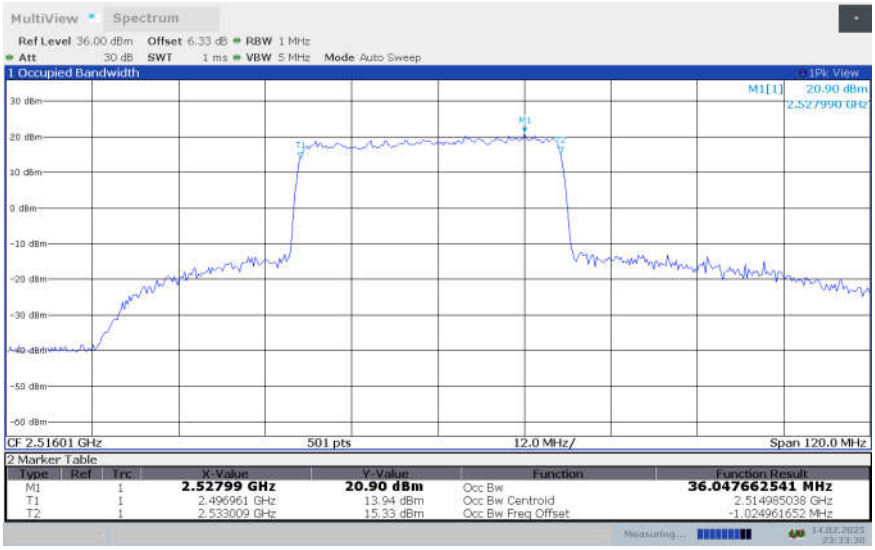
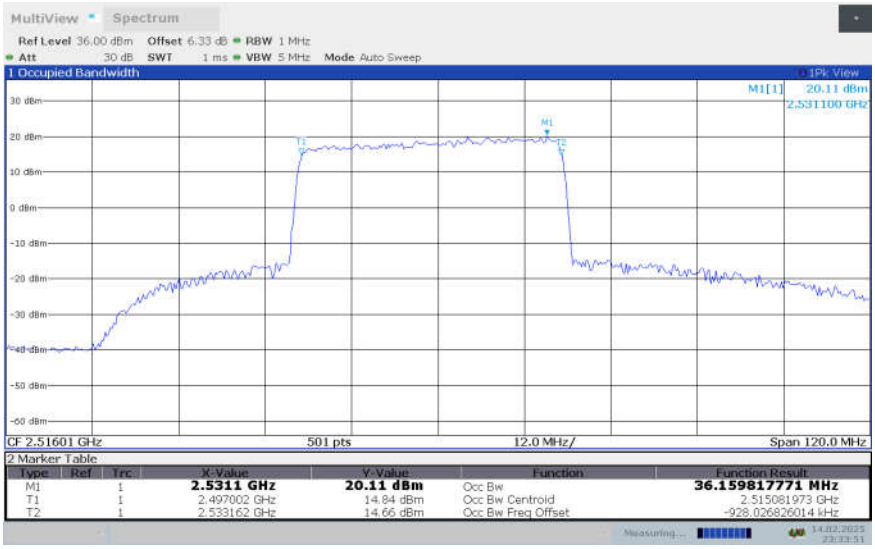
**n41,40MHz Bandwidth,DFT-s-16QAM (99% OBW)**




**n41,40MHz Bandwidth,DFT-s-64QAM (99% OBW)**




**n41,40MHz Bandwidth,DFT-s-256QAM (99% OBW)**

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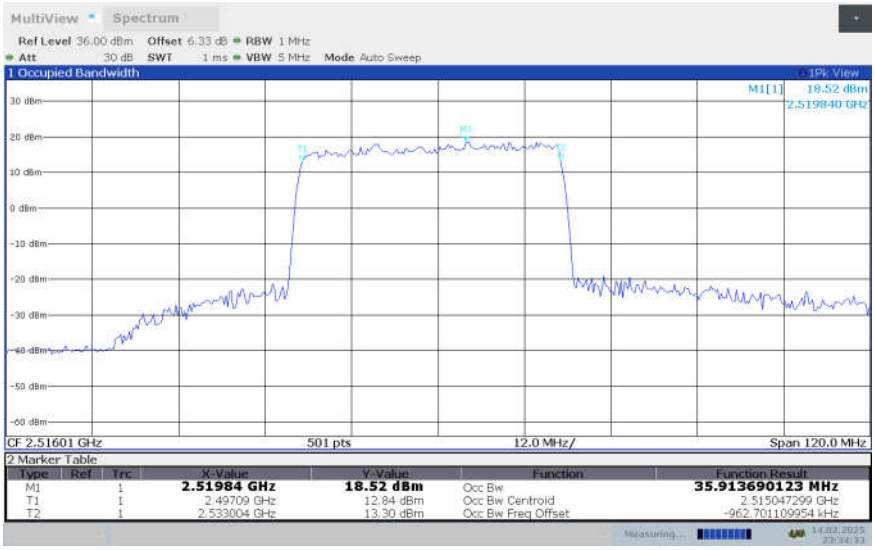
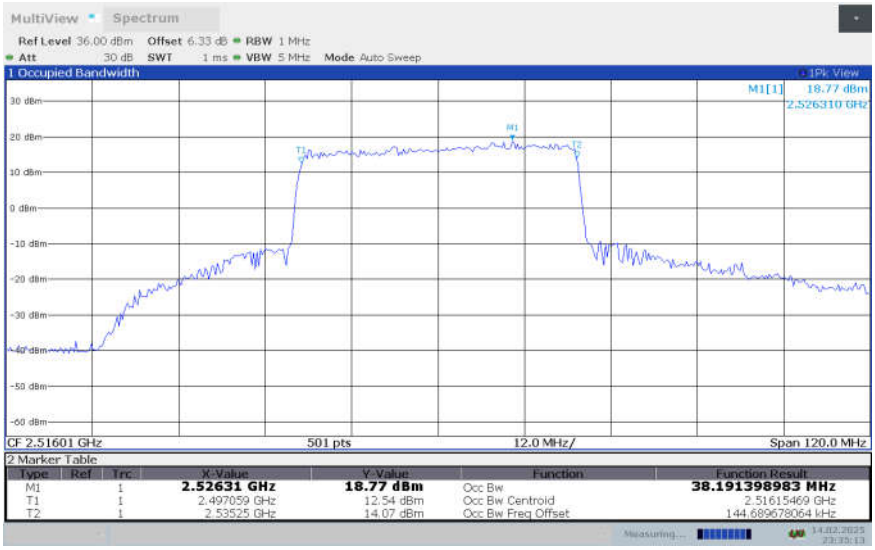



**n41,40MHz Bandwidth,CP-QPSK (99% OBW)**




**n41,40MHz Bandwidth,CP-16QAM (99% OBW)**

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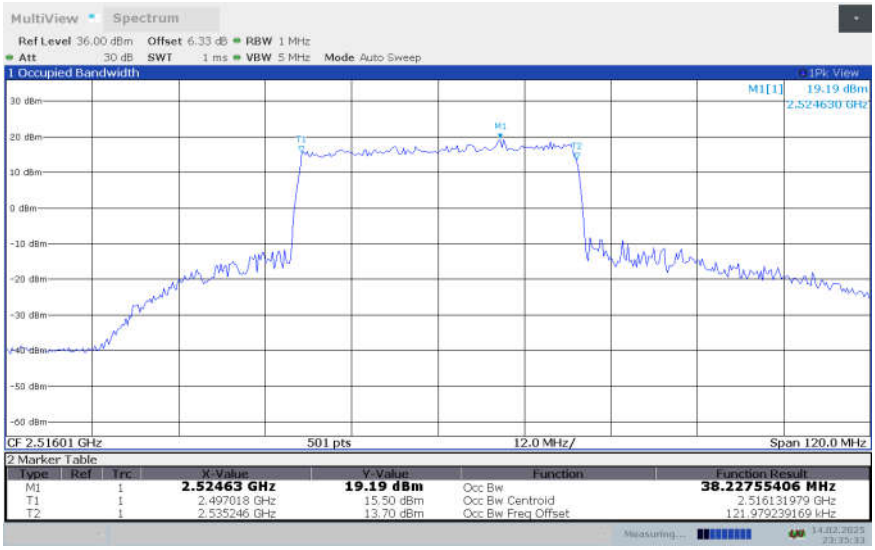
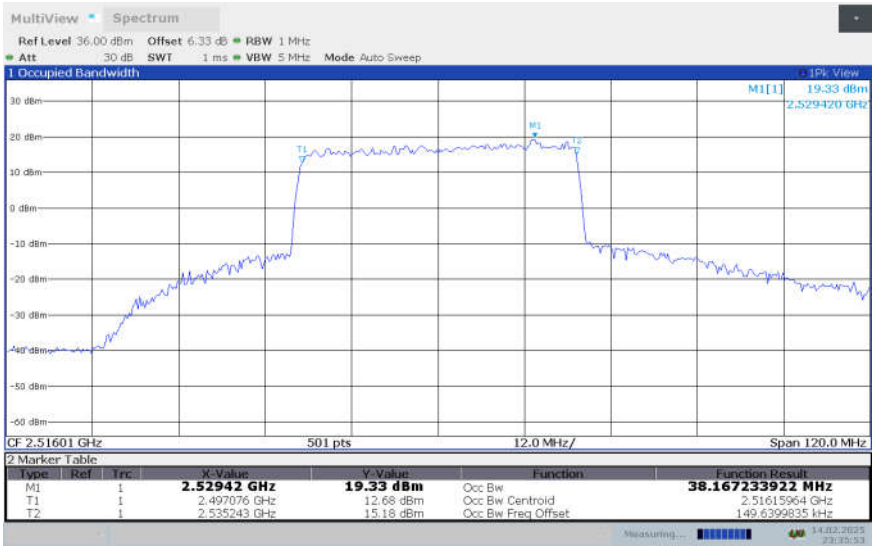



**n41,40MHz Bandwidth,CP-64QAM (99% OBW)**




**n41,40MHz Bandwidth,CP-256QAM (99% OBW)**

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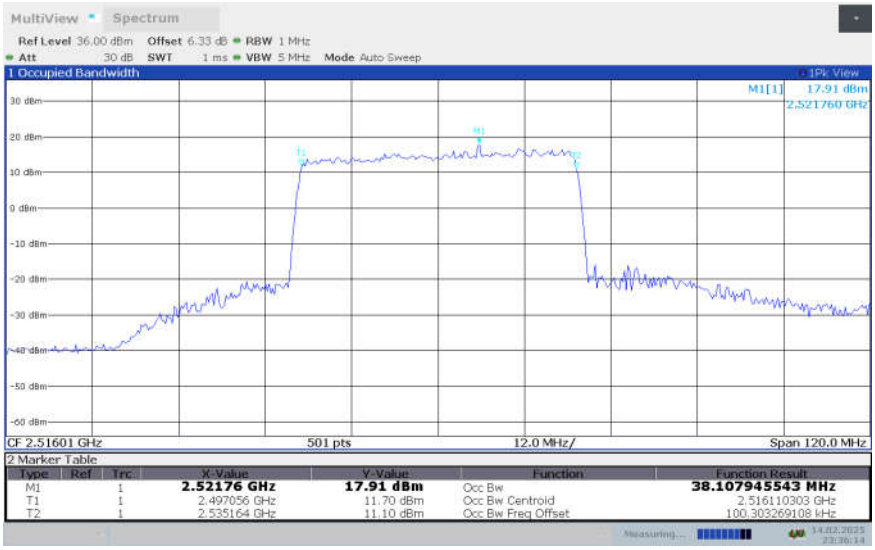
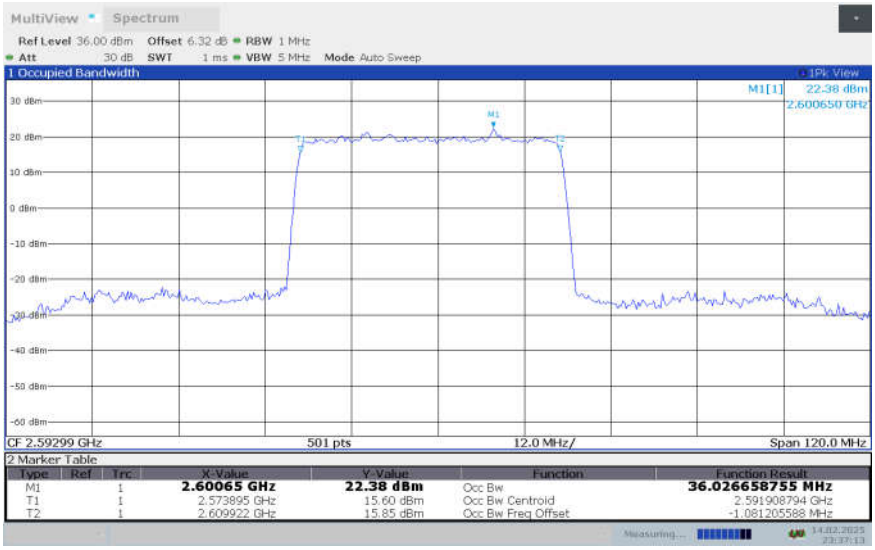



**n41,40MHz Bandwidth,DFT-s-pi/2 BPSK (99% OBW)**




**n41,40MHz Bandwidth,DFT-s-QPSK (99% OBW)**

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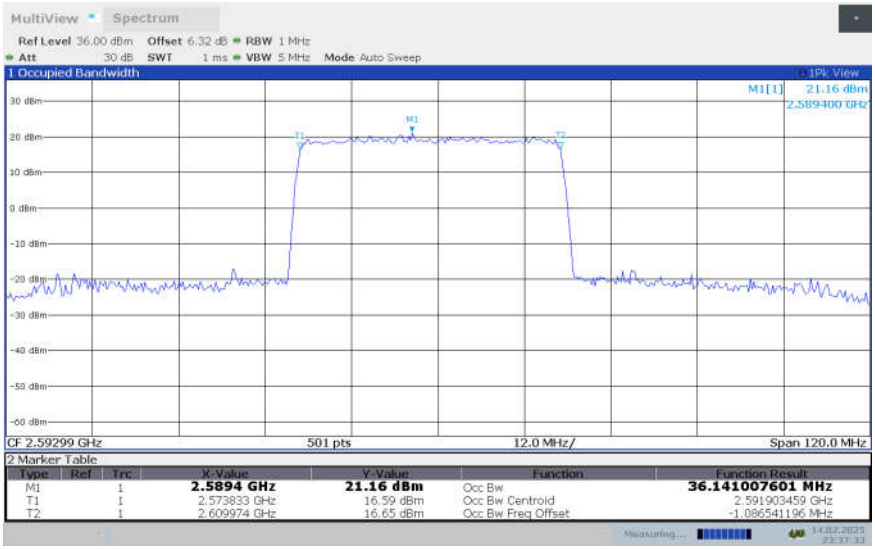
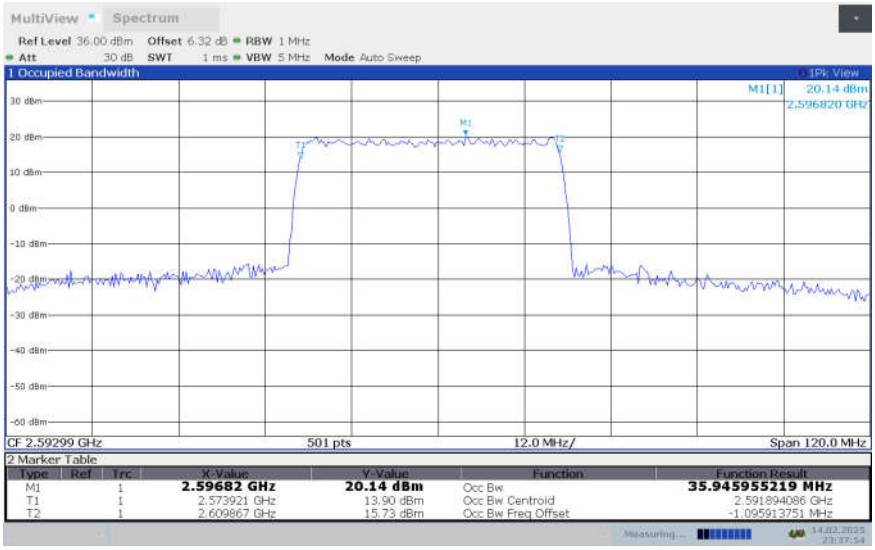



**n41,40MHz Bandwidth,DFT-s-16QAM (99% OBW)**




**n41,40MHz Bandwidth,DFT-s-64QAM (99% OBW)**

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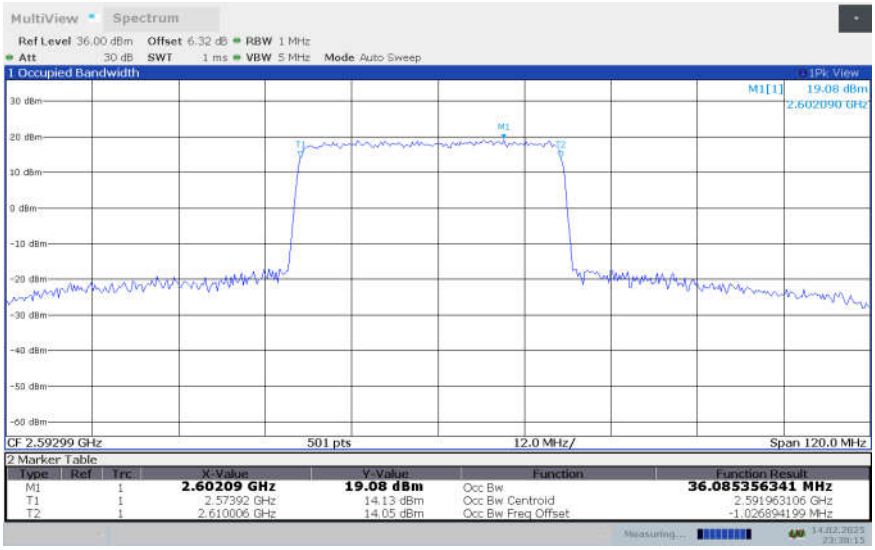
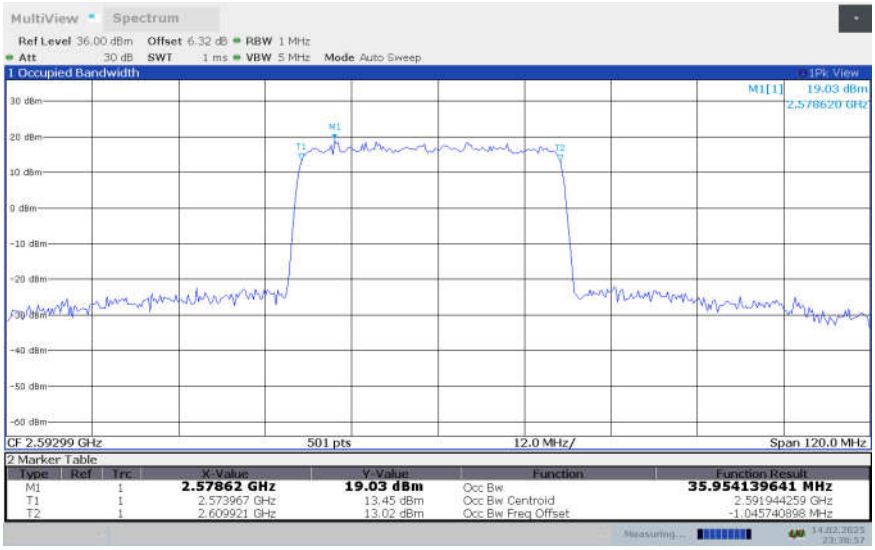



**n41,40MHz Bandwidth,DFT-s-256QAM (99% OBW)**




**n41,40MHz Bandwidth,CP-QPSK (99% OBW)**

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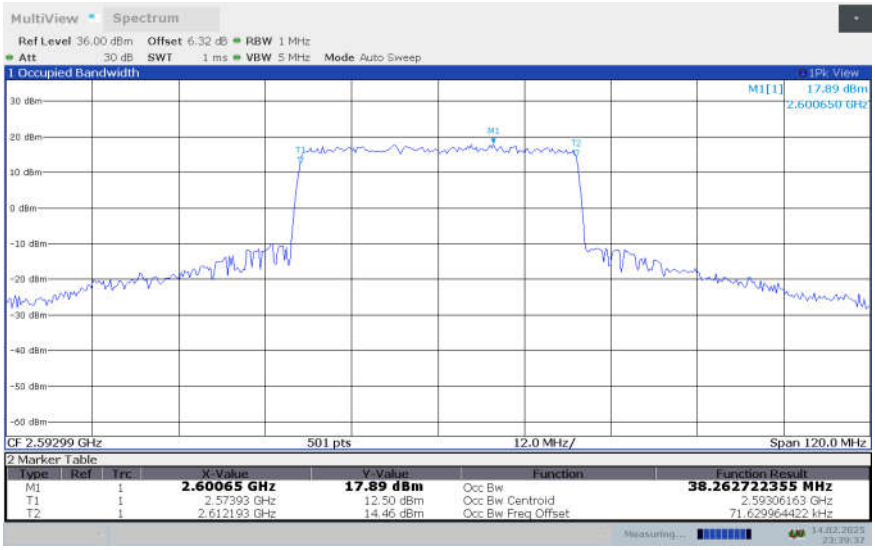
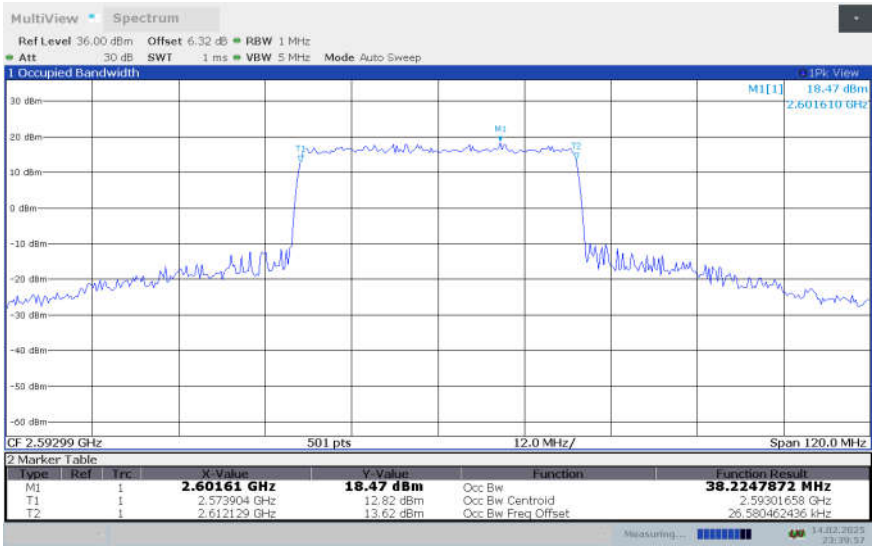



**n41,40MHz Bandwidth,CP-16QAM (99% OBW)**




**n41,40MHz Bandwidth,CP-64QAM (99% OBW)**

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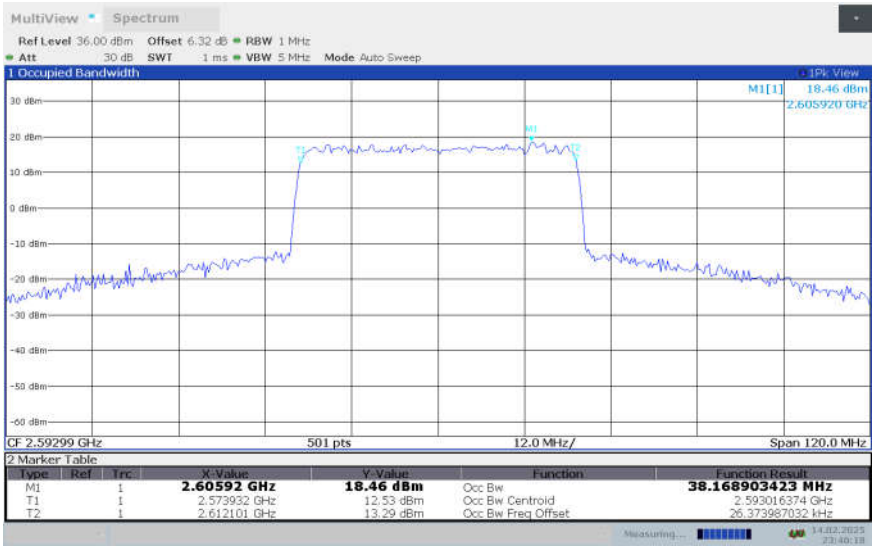


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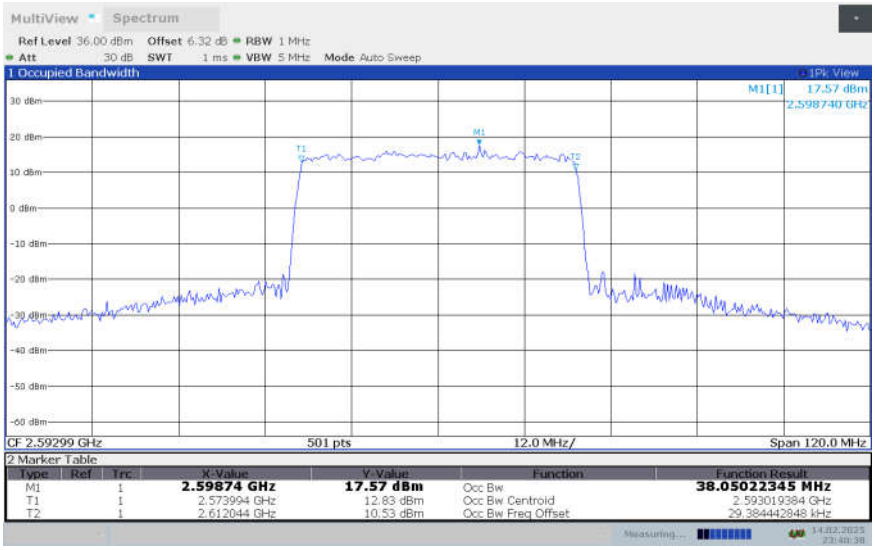


**n41,40MHz Bandwidth,DFT-s-pi/2 BPSK (99% OBW)**

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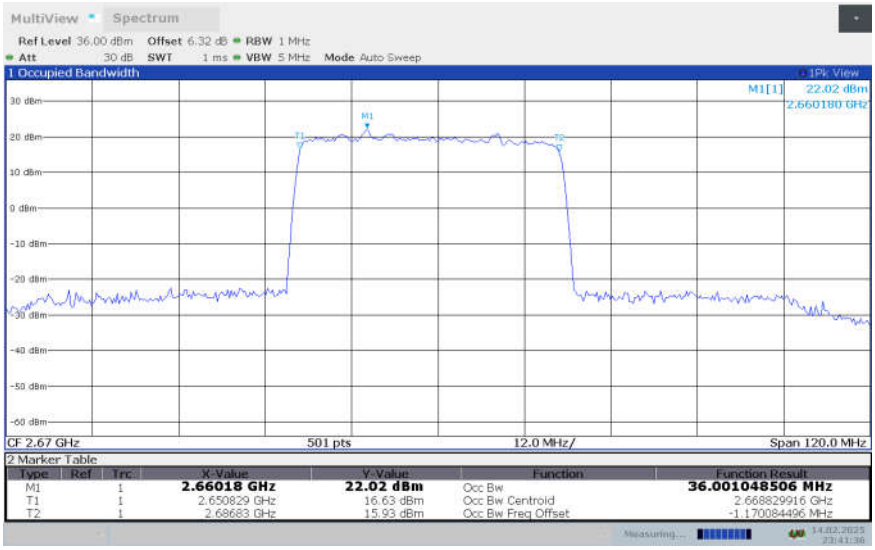
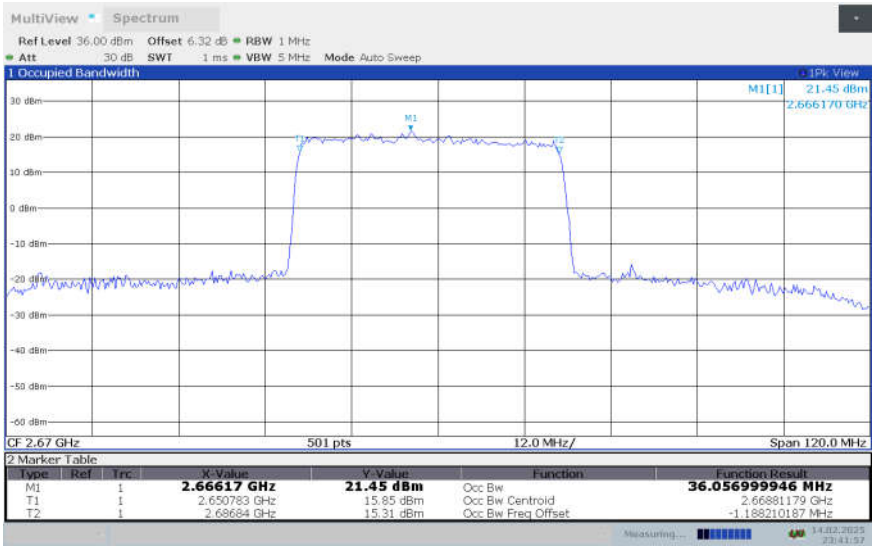



**n41,40MHz Bandwidth,DFT-s-QPSK (99% OBW)**




**n41,40MHz Bandwidth,DFT-s-16QAM (99% OBW)**

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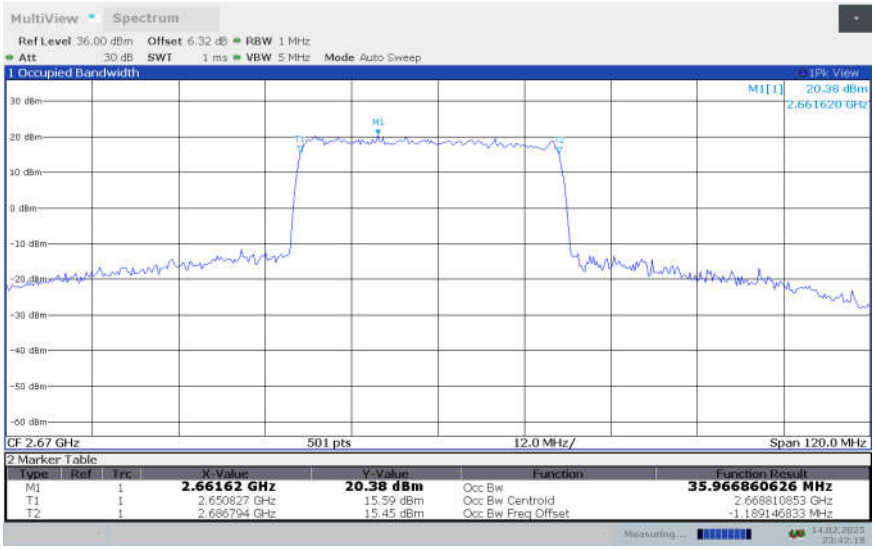
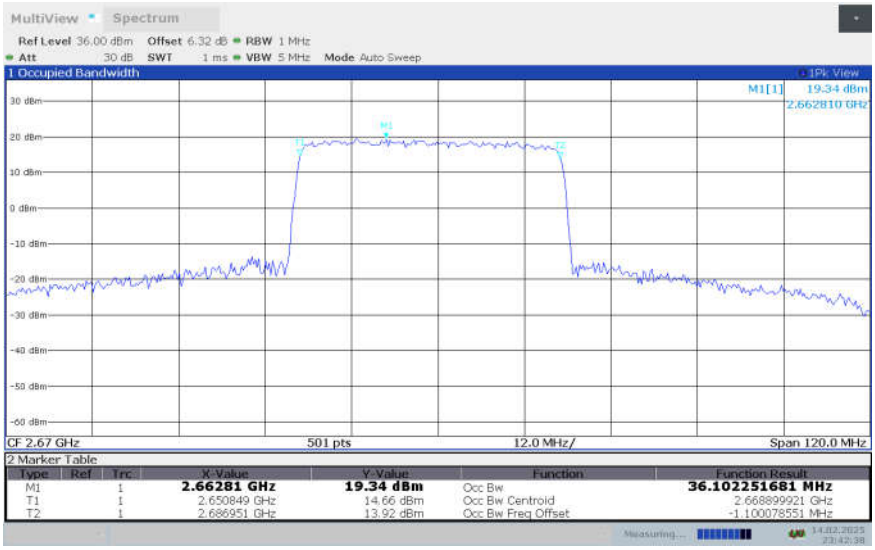



**n41,40MHz Bandwidth,DFT-s-64QAM (99% OBW)**




**n41,40MHz Bandwidth,DFT-s-256QAM (99% OBW)**

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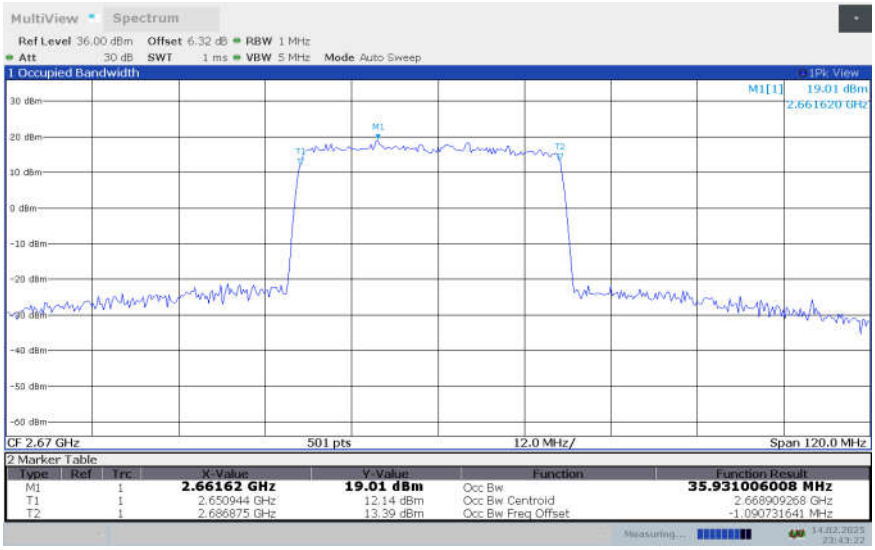
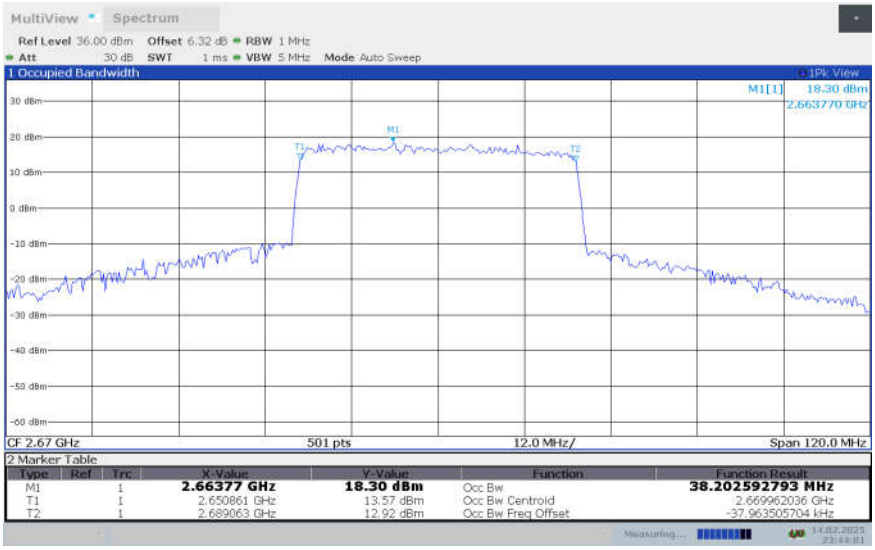



**n41,40MHz Bandwidth,CP-QPSK (99% OBW)**




**n41,40MHz Bandwidth,CP-16QAM (99% OBW)**

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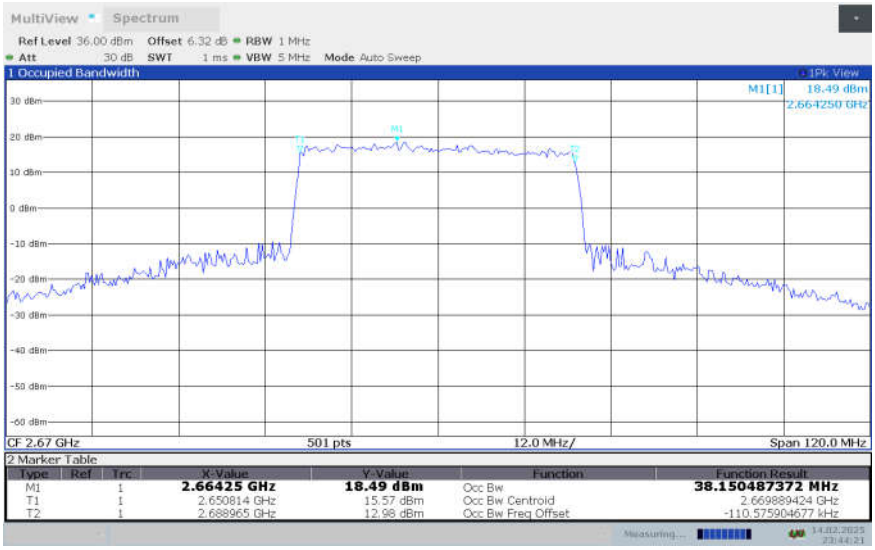


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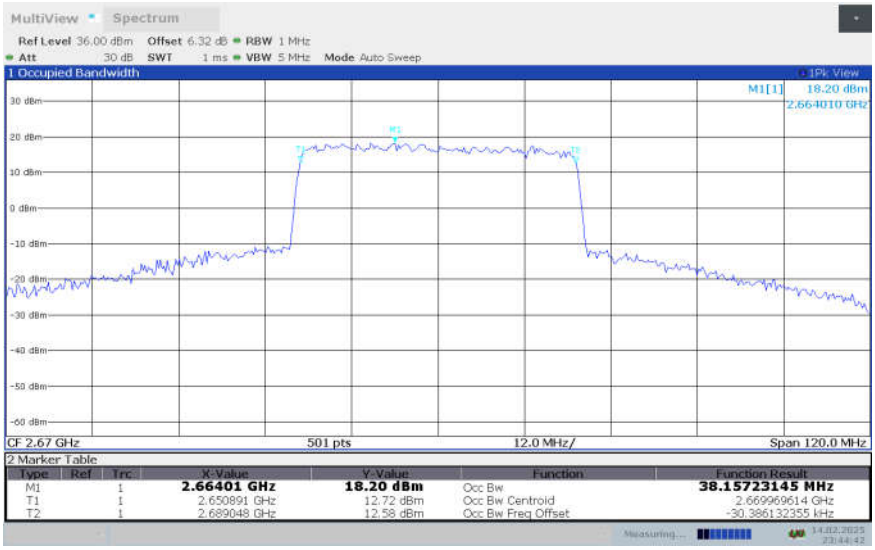


**n41,40MHz Bandwidth,CP-256QAM (99% OBW)**

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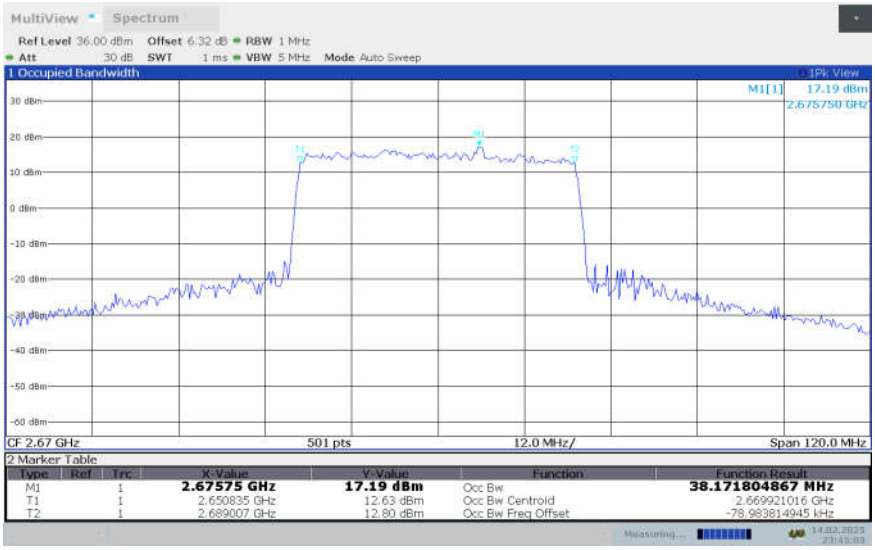


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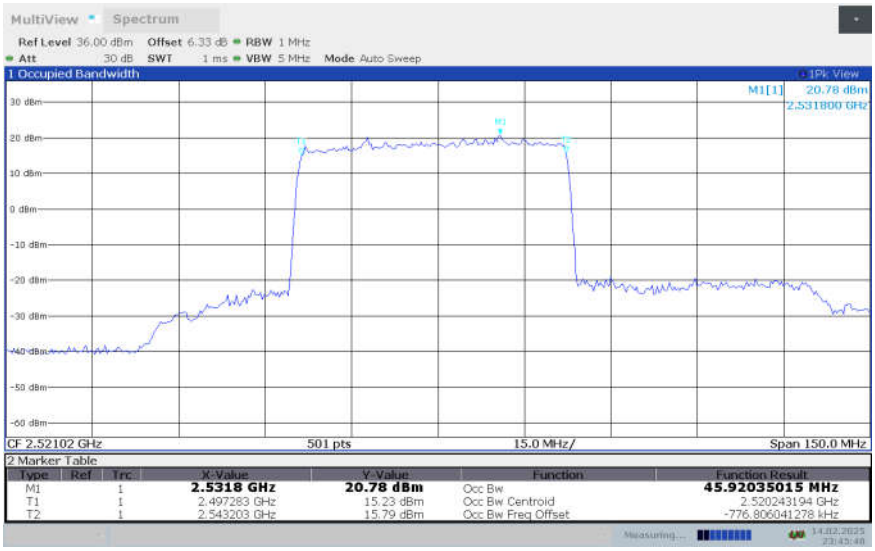
## n41

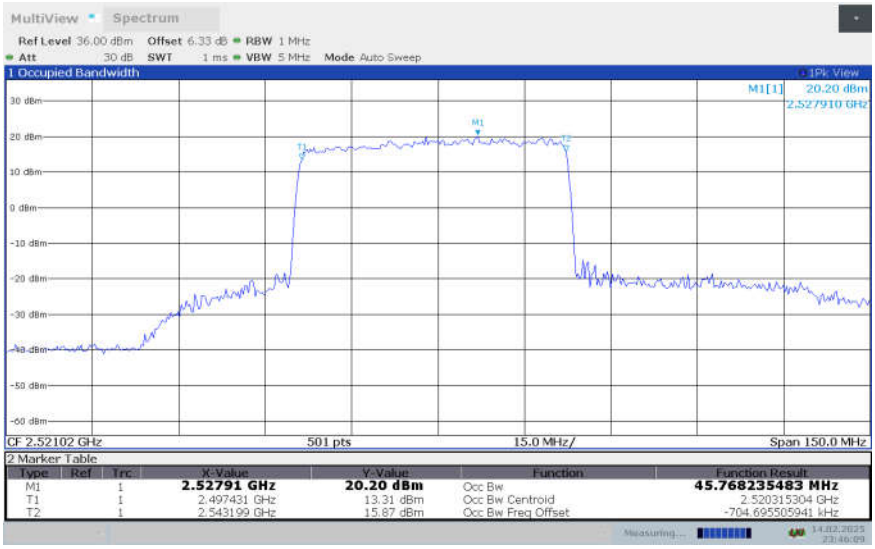
### n41,50MHz(99% OBW)

| Frequency (MHz) | Occupied Bandwidth (99% OBW) (MHz) | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| | DFT-s-pi/2 BPSK | DFT-s-QPSK | DFT-s-16QAM | DFT-s-64QAM | DFT-s-256QAM | CP-QPSK | CP-16QAM | CP-64QAM | CP-256QAM |
| 2521.02 | 45.920 | 45.768 | 45.960 | 45.802 | 45.883 | 47.561 | 47.617 | 47.598 | 47.472 |
| 2592.99 | 45.911 | 45.863 | 45.904 | 45.866 | 45.912 | 47.745 | 47.799 | 47.690 | 47.598 |
| 2664.99 | 45.833 | 45.803 | 45.851 | 45.820 | 45.749 | 47.718 | 47.731 | 47.556 | 47.578 |

### n41,50MHz Bandwidth,DFT-s-pi/2 BPSK (99% OBW)




### n41,50MHz Bandwidth,DFT-s-QPSK (99% OBW)

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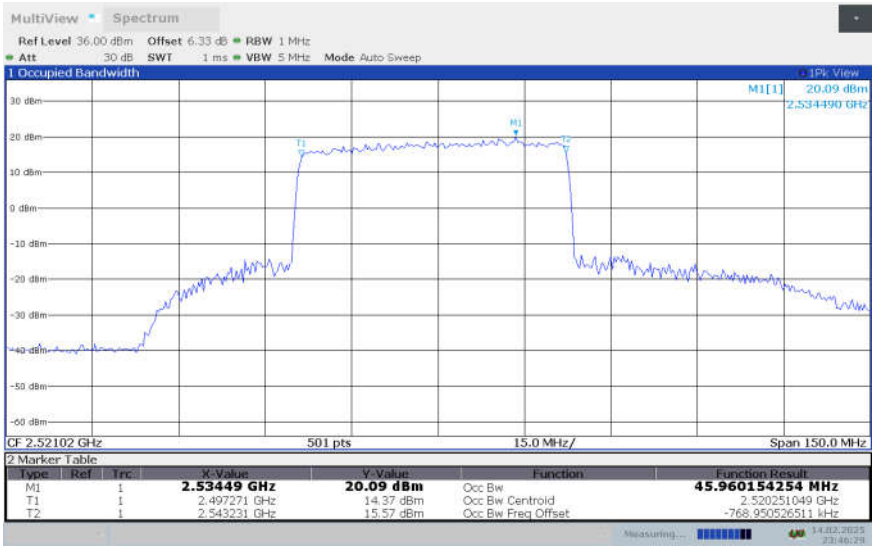
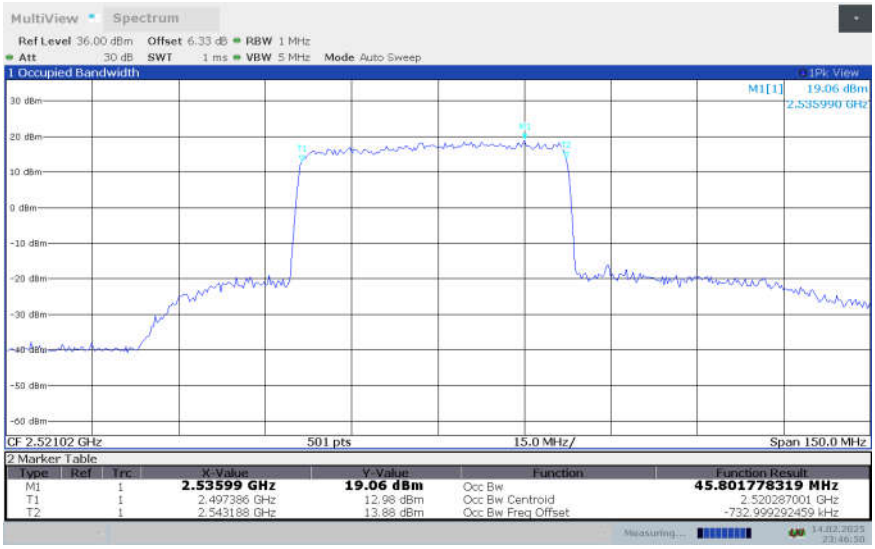
**n41,50MHz Bandwidth,DFT-s-16QAM (99% OBW)**




**n41,50MHz Bandwidth,DFT-s-64QAM (99% OBW)**




**n41,50MHz Bandwidth,DFT-s-256QAM (99% OBW)**

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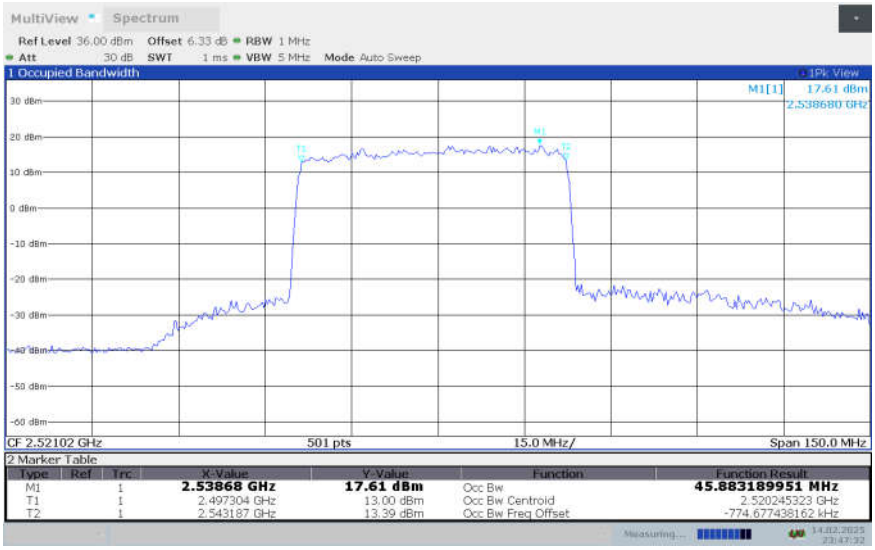
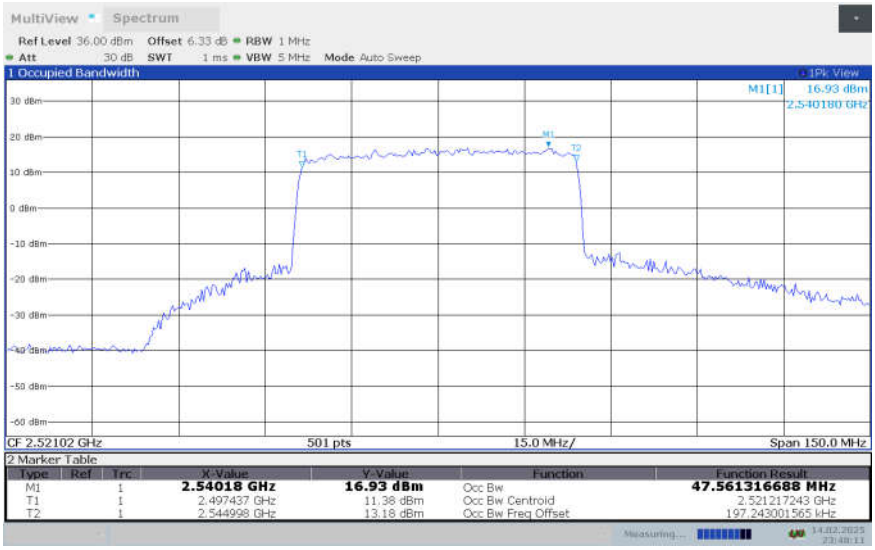



**n41,50MHz Bandwidth,CP-QPSK (99% OBW)**




**n41,50MHz Bandwidth,CP-16QAM (99% OBW)**

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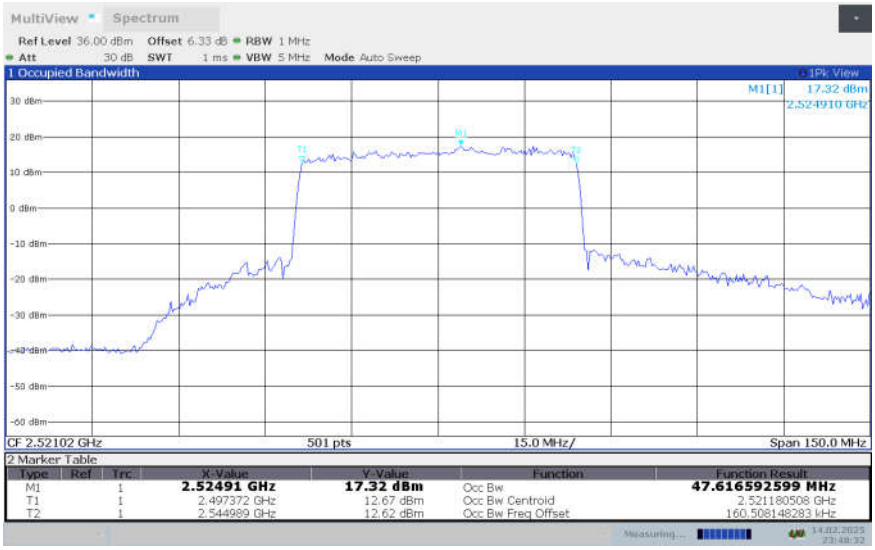
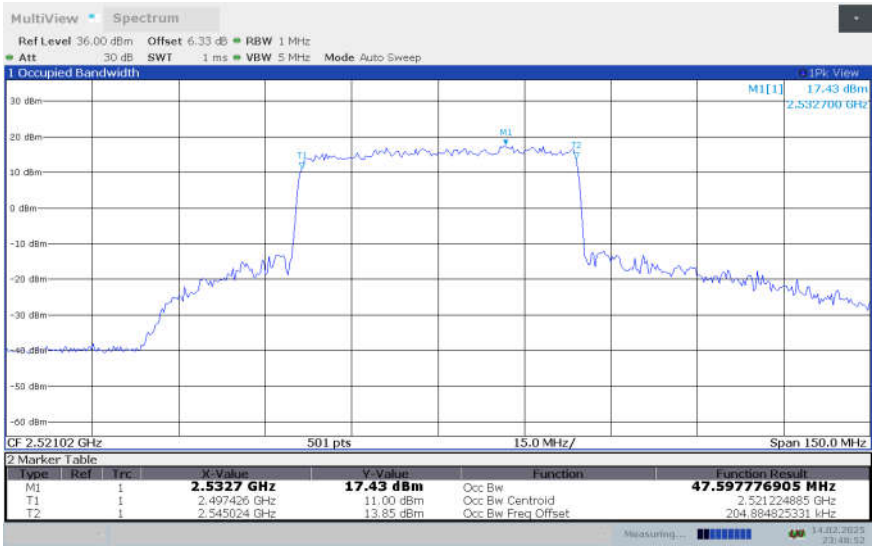



**n41,50MHz Bandwidth,CP-64QAM (99% OBW)**




**n41,50MHz Bandwidth,CP-256QAM (99% OBW)**

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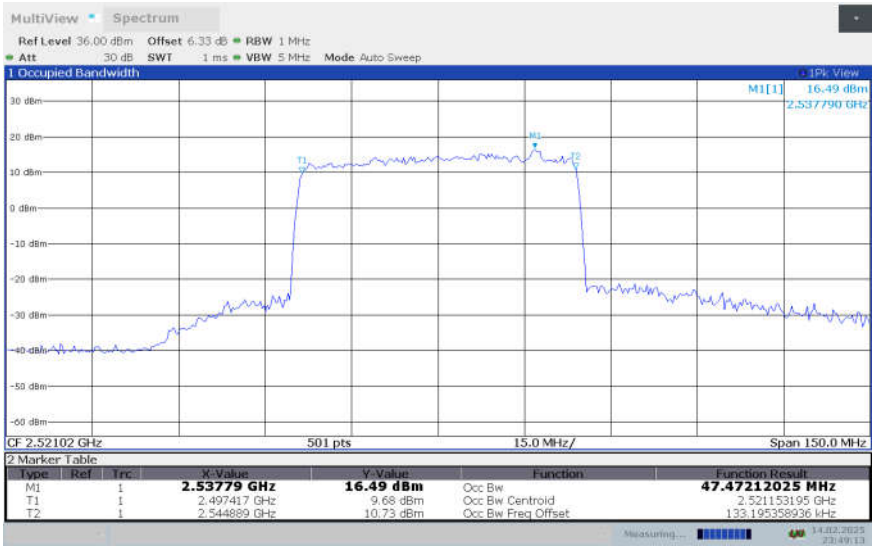


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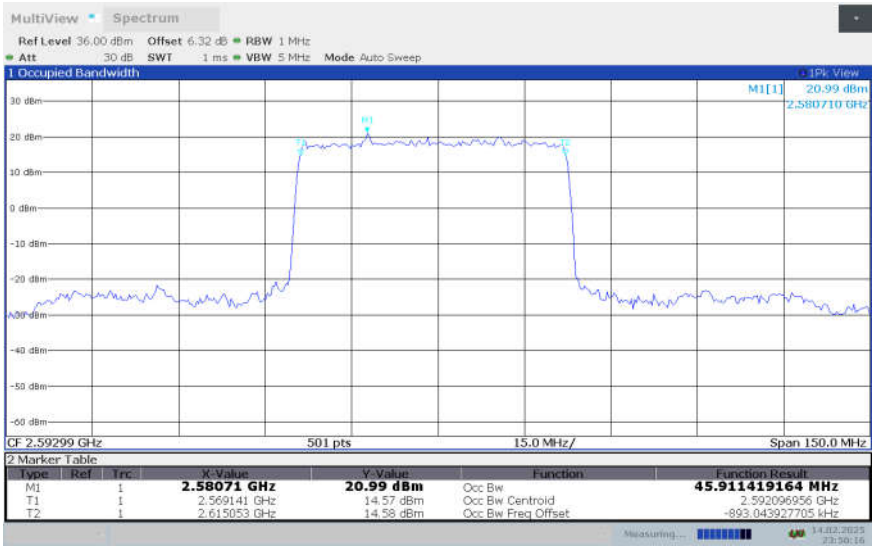


**n41,50MHz Bandwidth,DFT-s-QPSK (99% OBW)**

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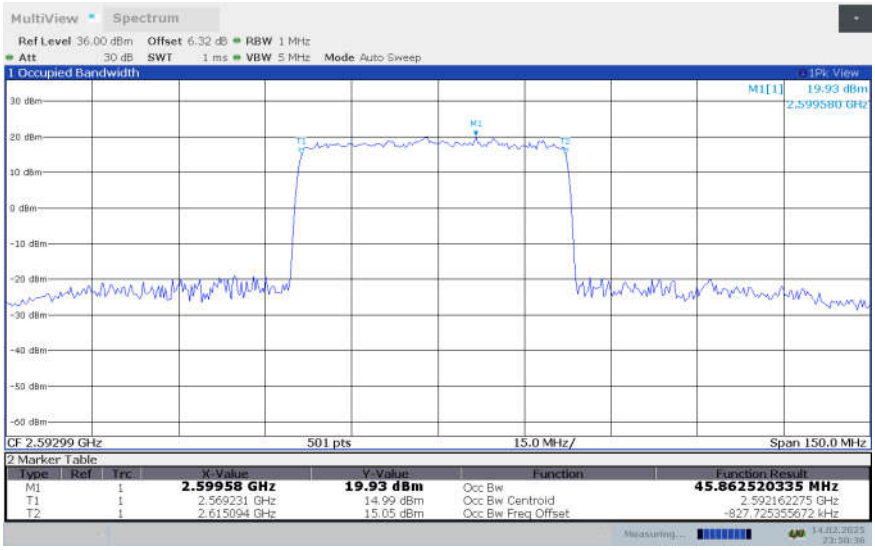
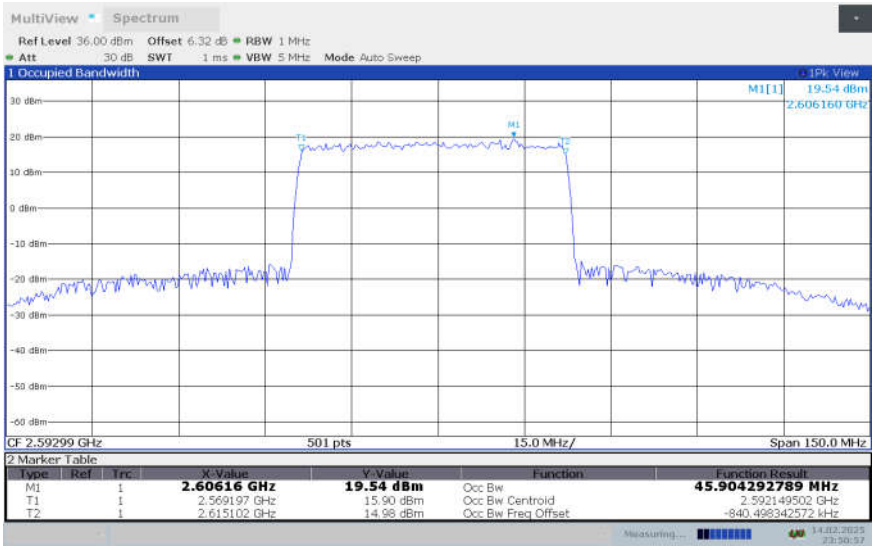



**n41,50MHz Bandwidth,DFT-s-16QAM (99% OBW)**




**n41,50MHz Bandwidth,DFT-s-64QAM (99% OBW)**

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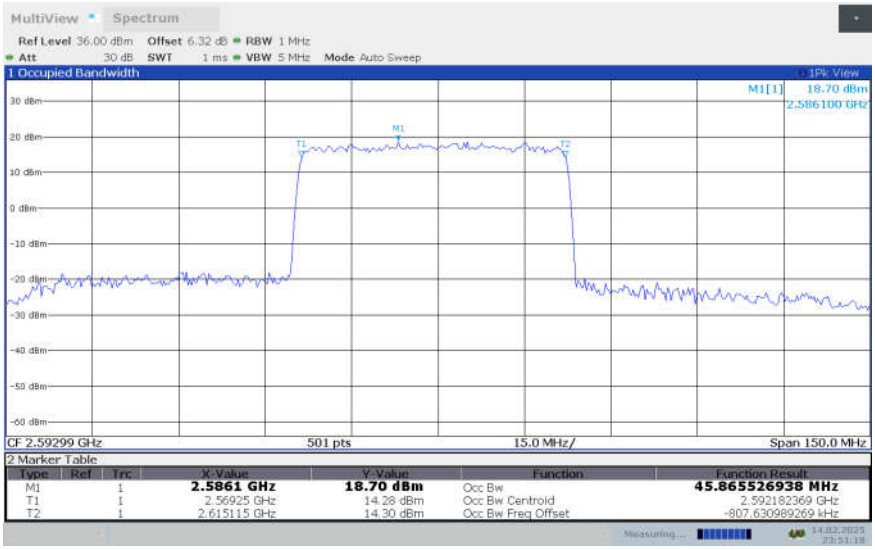
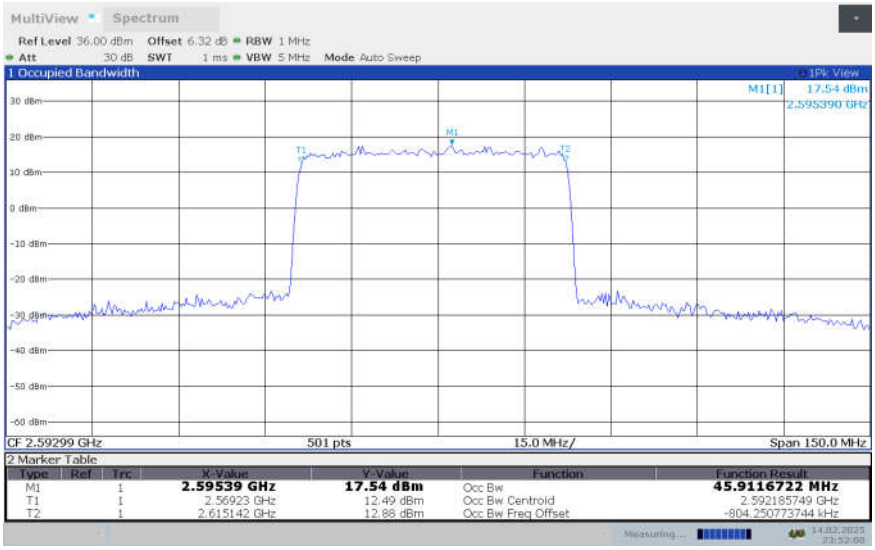



**n41,50MHz Bandwidth,DFT-s-256QAM (99% OBW)**




**n41,50MHz Bandwidth,CP-QPSK (99% OBW)**

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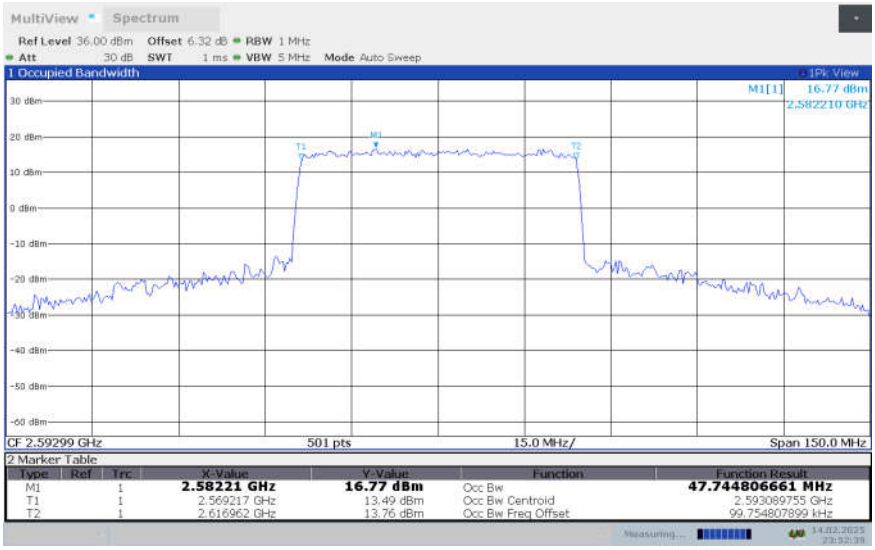


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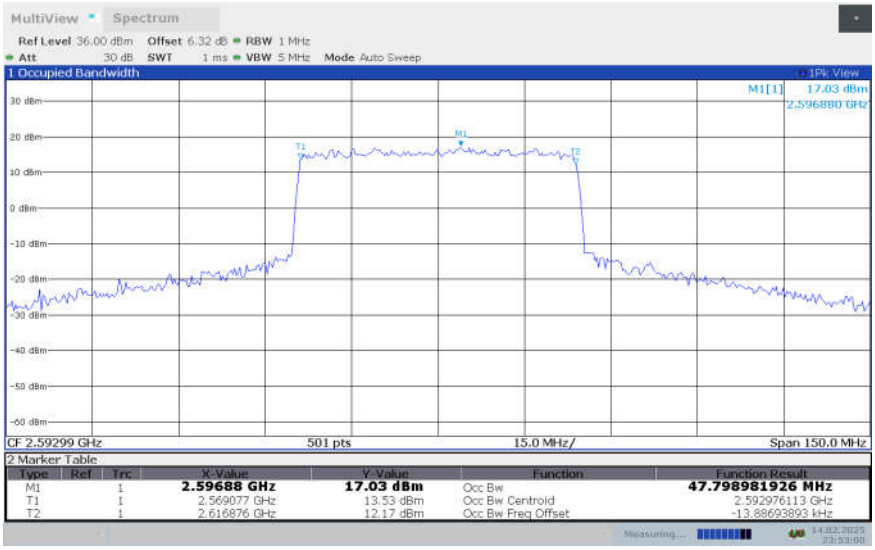


**n41,50MHz Bandwidth,CP-64QAM (99% OBW)**

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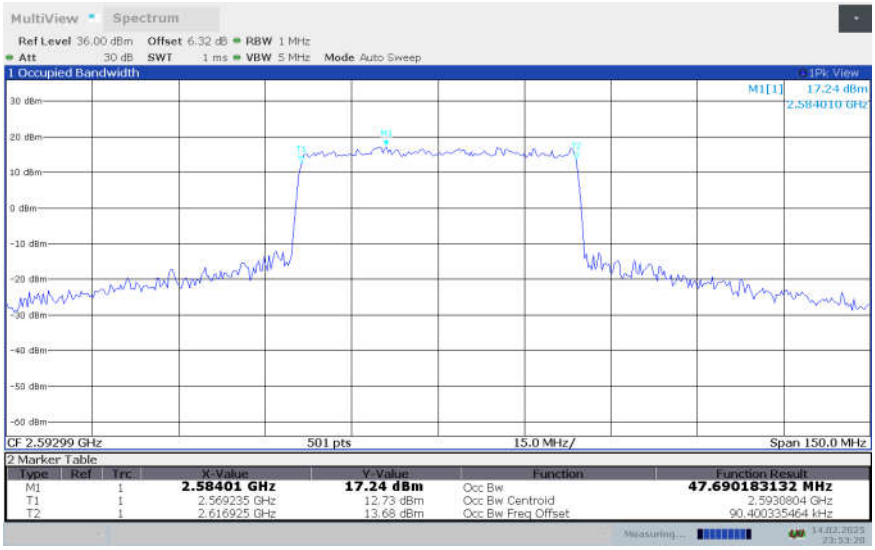


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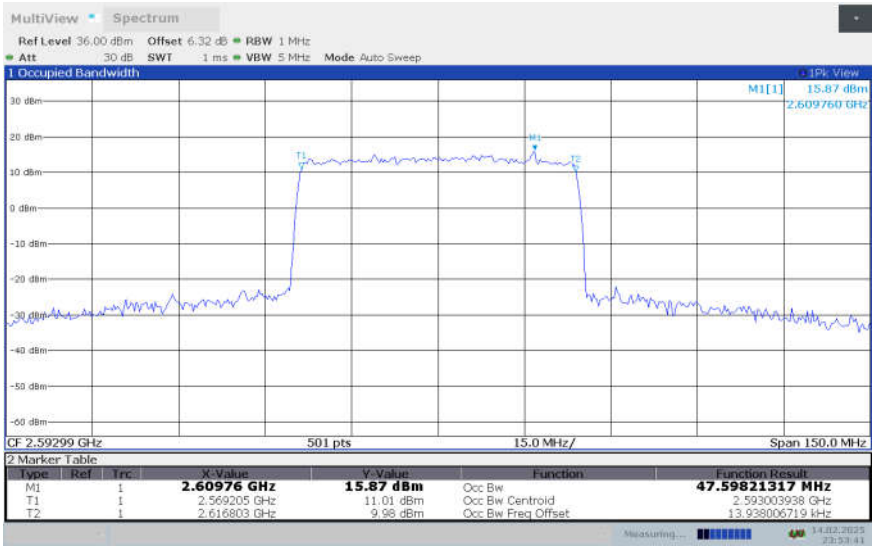


**n41,50MHz Bandwidth,DFT-s-pi/2 BPSK (99% OBW)**

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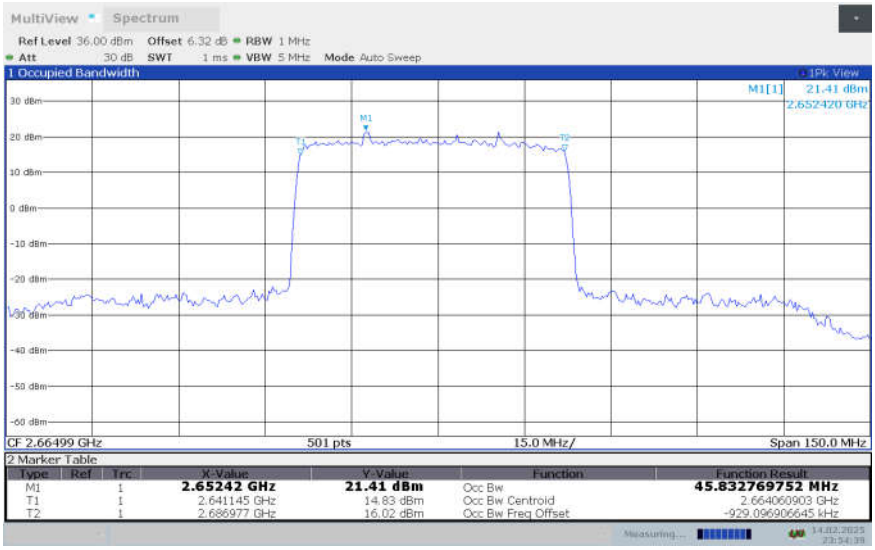
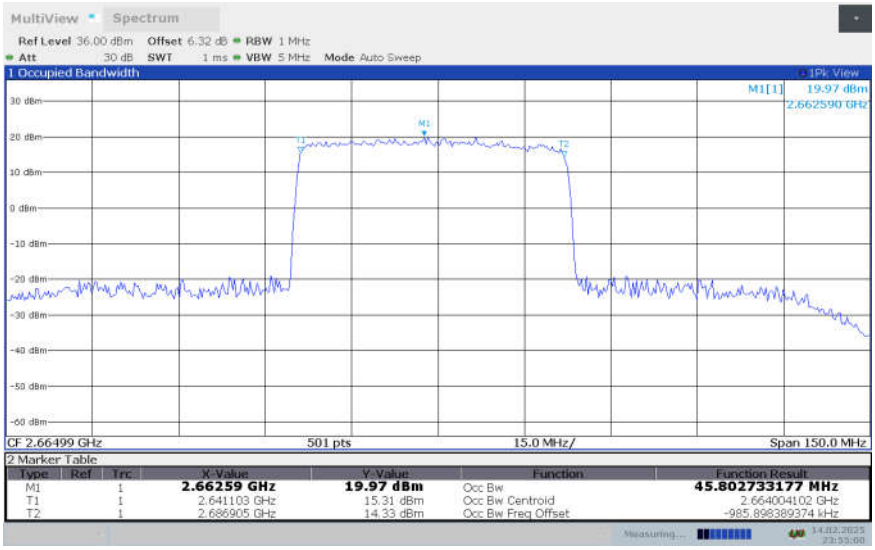



**n41,50MHz Bandwidth,DFT-s-QPSK (99% OBW)**




**n41,50MHz Bandwidth,DFT-s-16QAM (99% OBW)**

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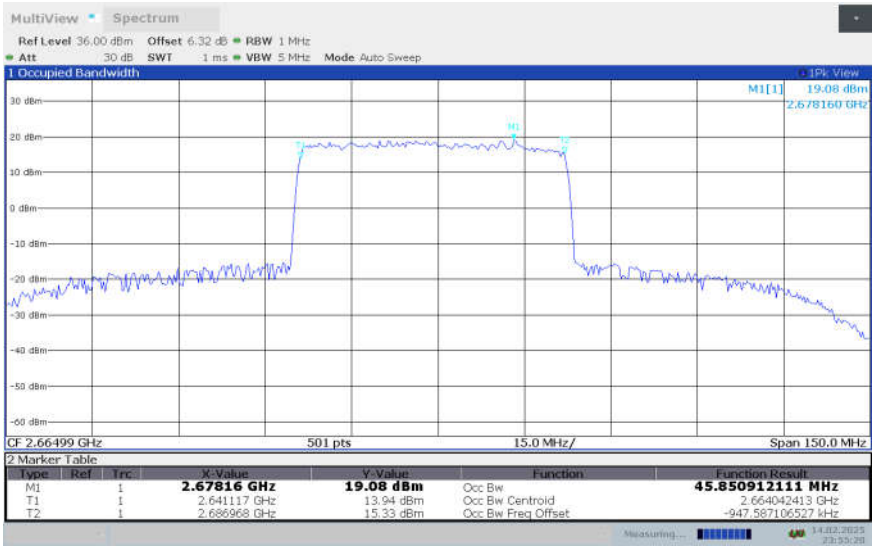
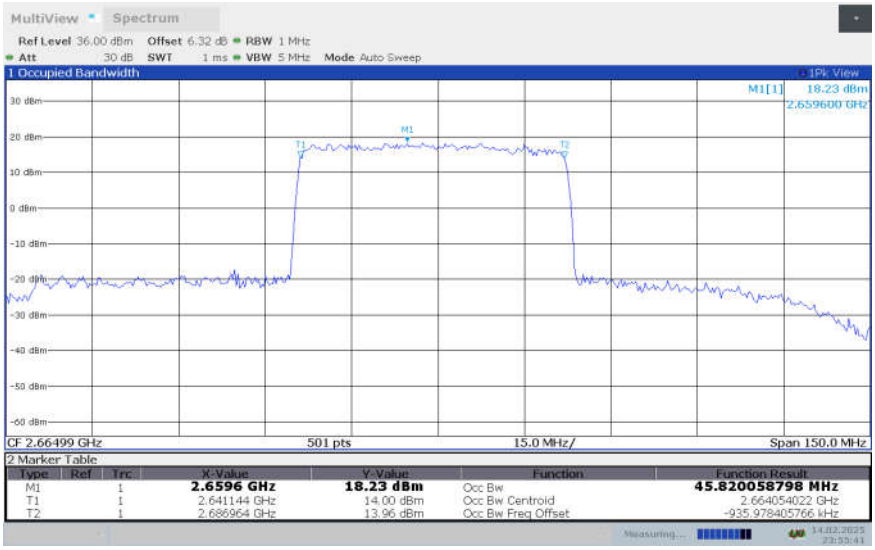



**n41,50MHz Bandwidth,DFT-s-64QAM (99% OBW)**




**n41,50MHz Bandwidth,DFT-s-256QAM (99% OBW)**

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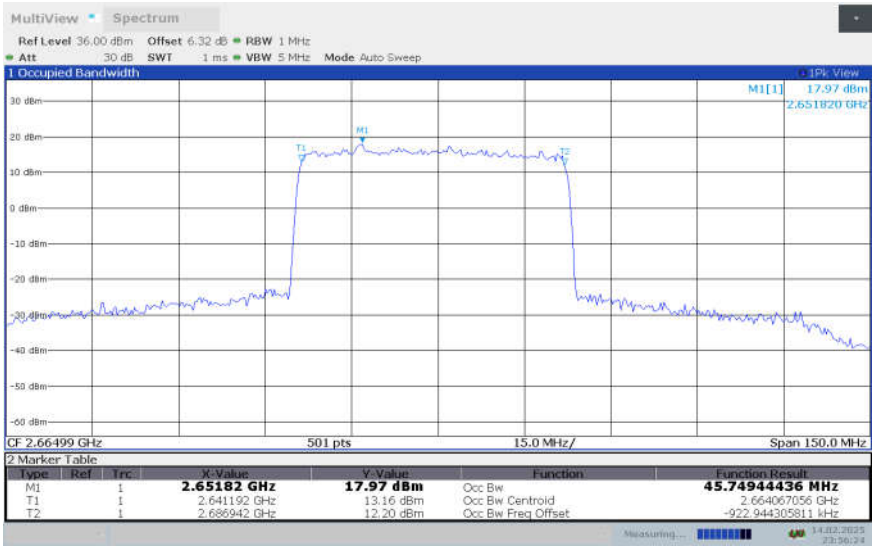
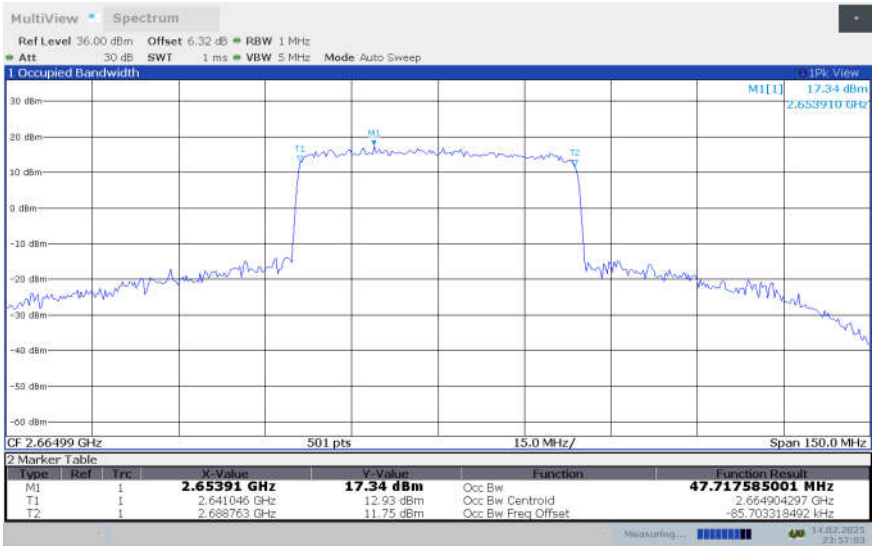



**n41,50MHz Bandwidth,CP-QPSK (99% OBW)**




**n41,50MHz Bandwidth,CP-16QAM (99% OBW)**

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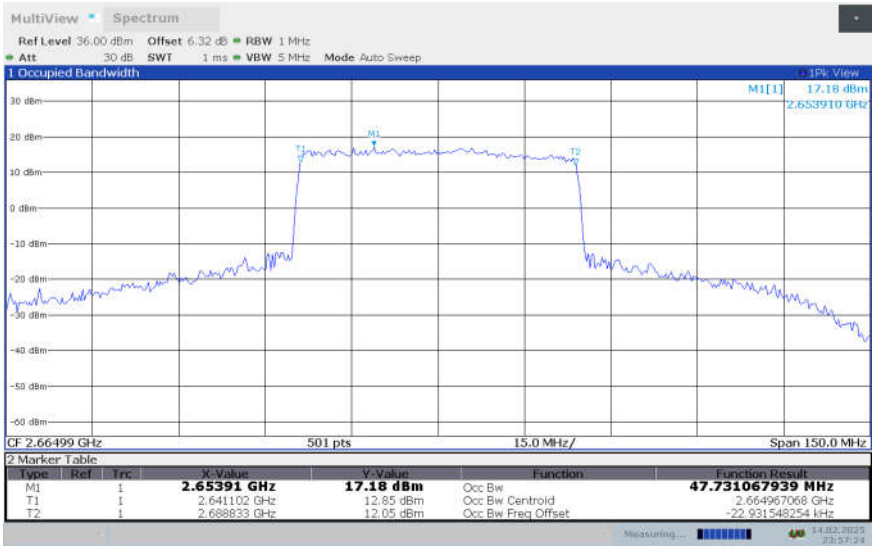


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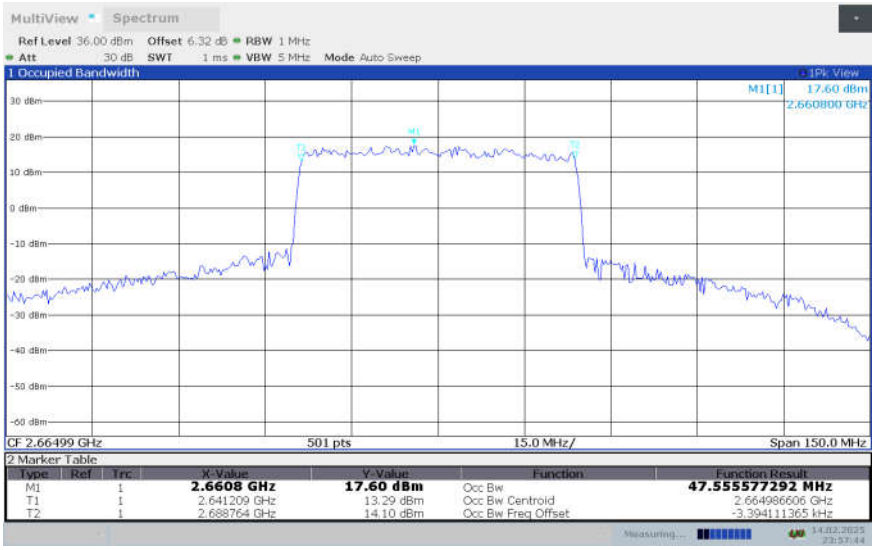


**n41,50MHz Bandwidth,CP-256QAM (99% OBW)**

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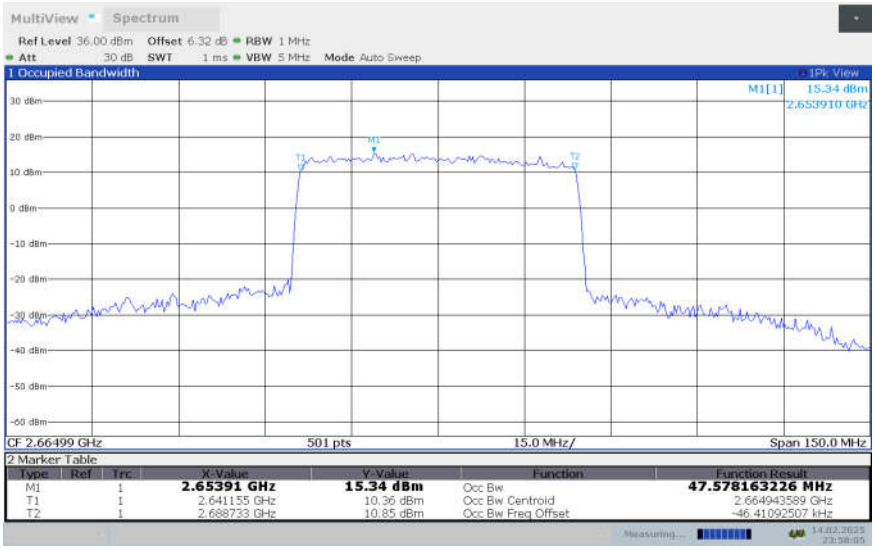


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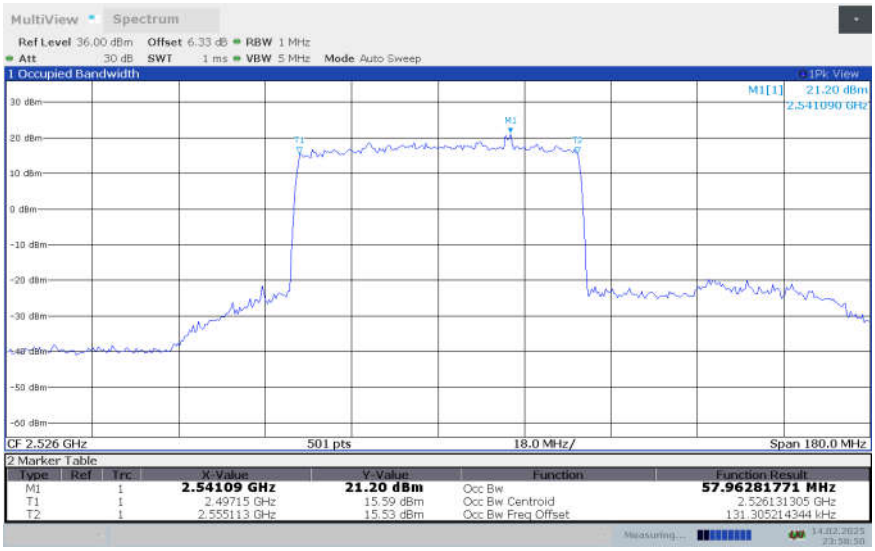
## n41

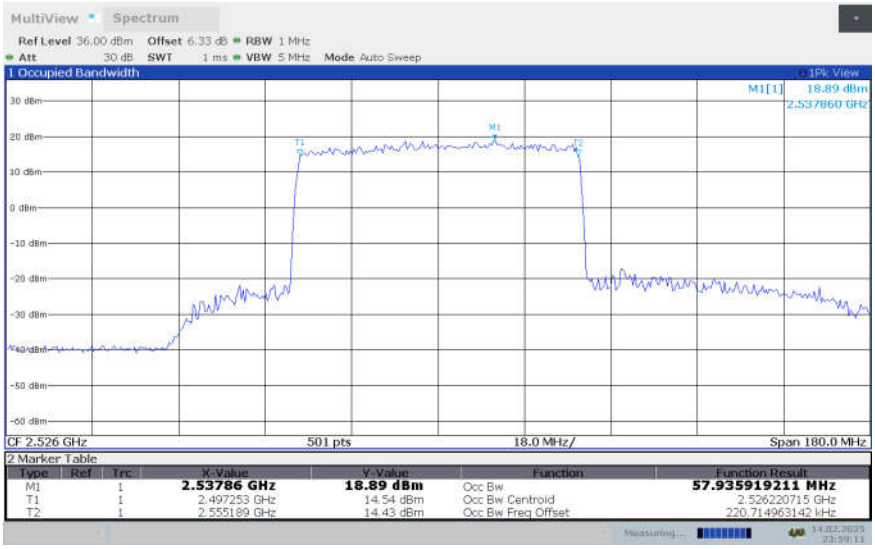
### n41,60MHz(99% OBW)

| Frequency (MHz) | Occupied Bandwidth (99% OBW) (MHz) | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| | DFT-s-pi/2 BPSK | DFT-s-QPSK | DFT-s-16QAM | DFT-s-64QAM | DFT-s-256QAM | CP-QPSK | CP-16QAM | CP-64QAM | CP-256QAM |
| 2526 | 57.963 | 57.936 | 57.837 | 58.022 | 57.728 | 57.803 | 57.723 | 57.944 | 57.820 |
| 2592.99 | 58.094 | 57.871 | 58.004 | 58.067 | 57.824 | 57.903 | 57.888 | 57.944 | 57.922 |
| 2659.98 | 57.850 | 57.808 | 58.011 | 57.863 | 57.740 | 57.778 | 57.727 | 57.918 | 57.768 |

### n41,60MHz Bandwidth,DFT-s-pi/2 BPSK (99% OBW)




### n41,60MHz Bandwidth,DFT-s-QPSK (99% OBW)

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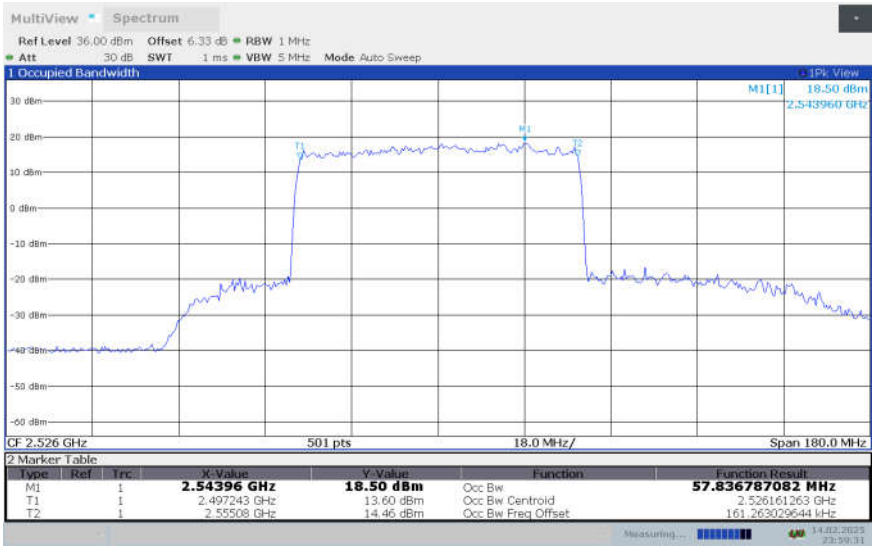
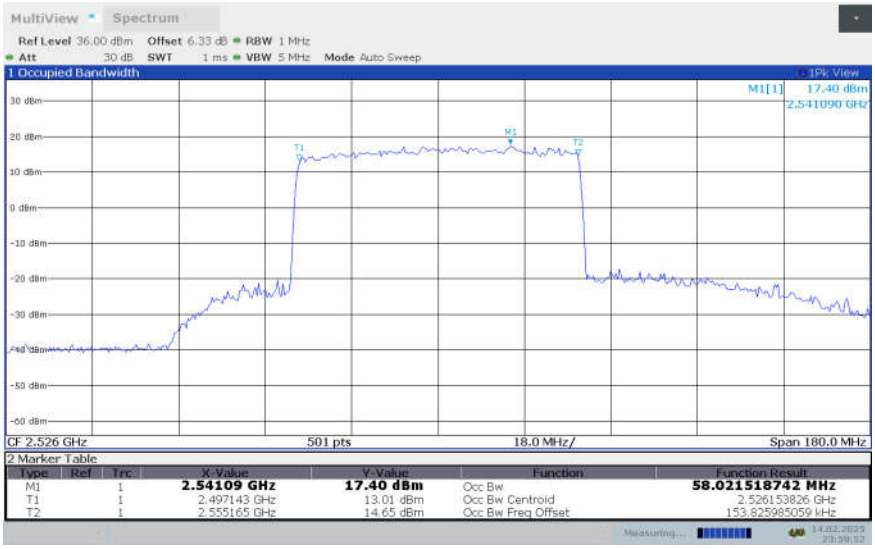
**n41,60MHz Bandwidth,DFT-s-16QAM (99% OBW)**




**n41,60MHz Bandwidth,DFT-s-64QAM (99% OBW)**




**n41,60MHz Bandwidth,DFT-s-256QAM (99% OBW)**

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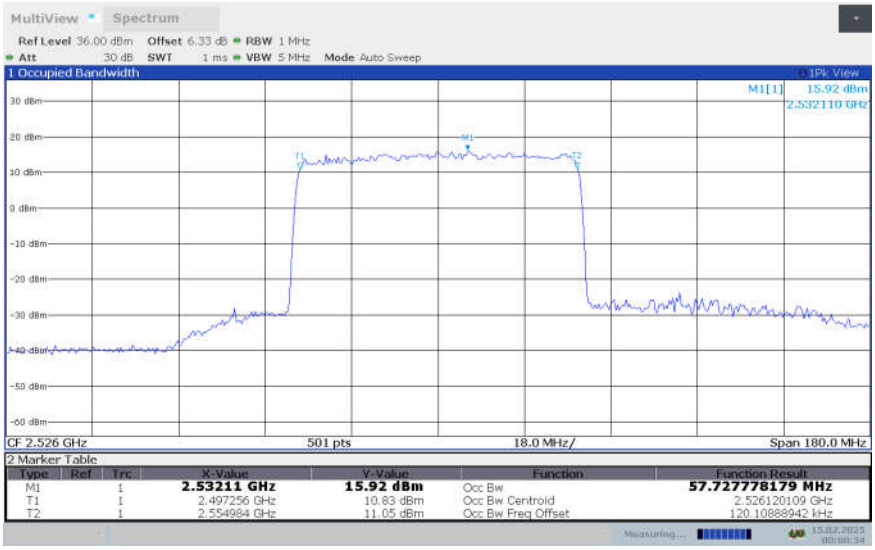
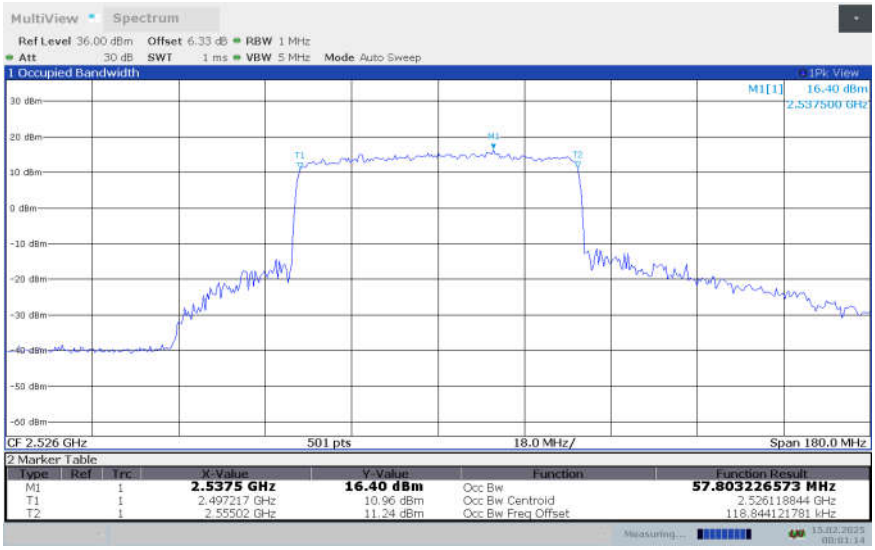



**n41,60MHz Bandwidth,CP-QPSK (99% OBW)**




**n41,60MHz Bandwidth,CP-16QAM (99% OBW)**

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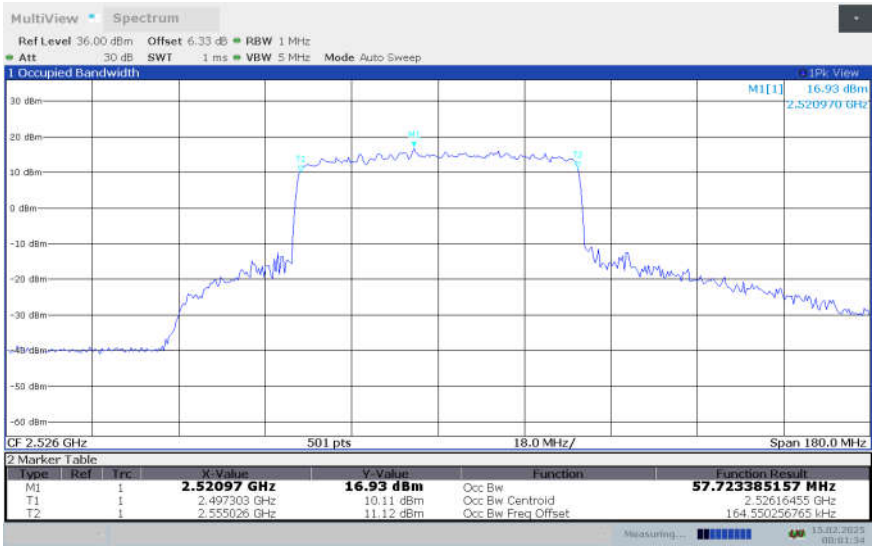


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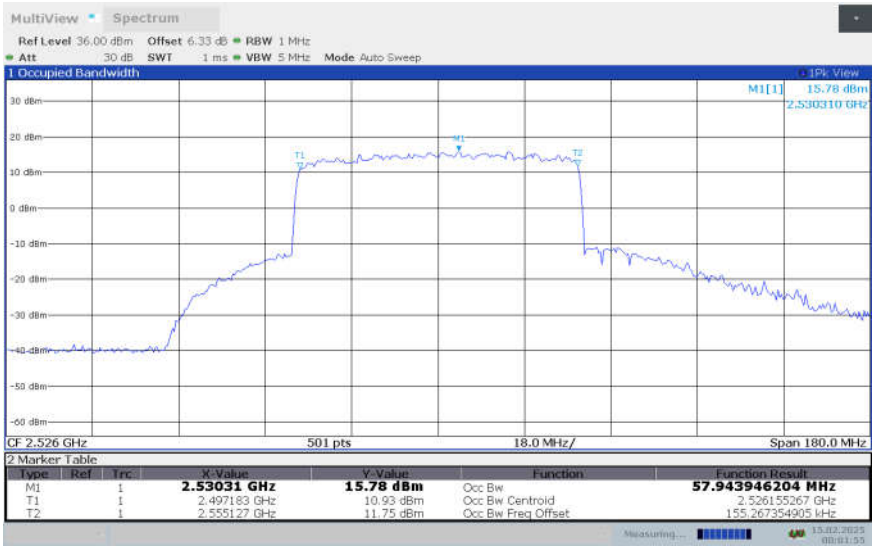


**n41,60MHz Bandwidth,CP-256QAM (99% OBW)**

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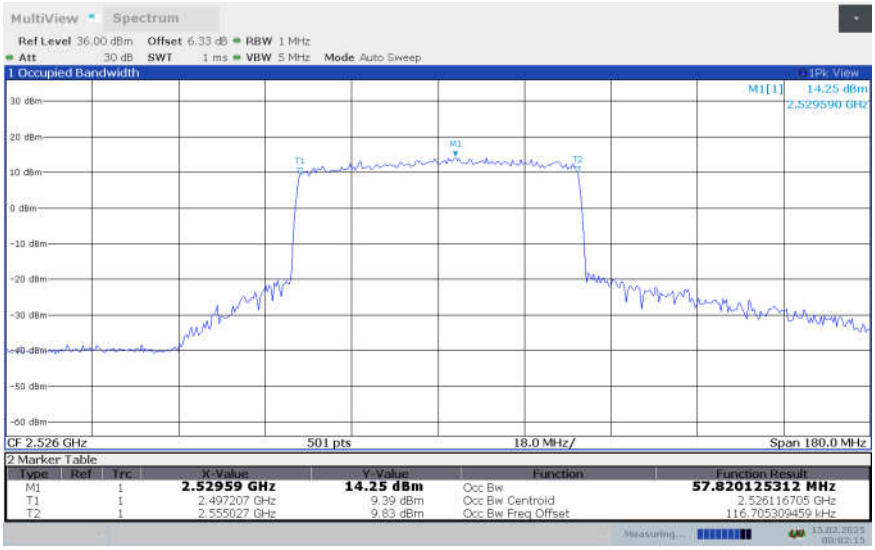


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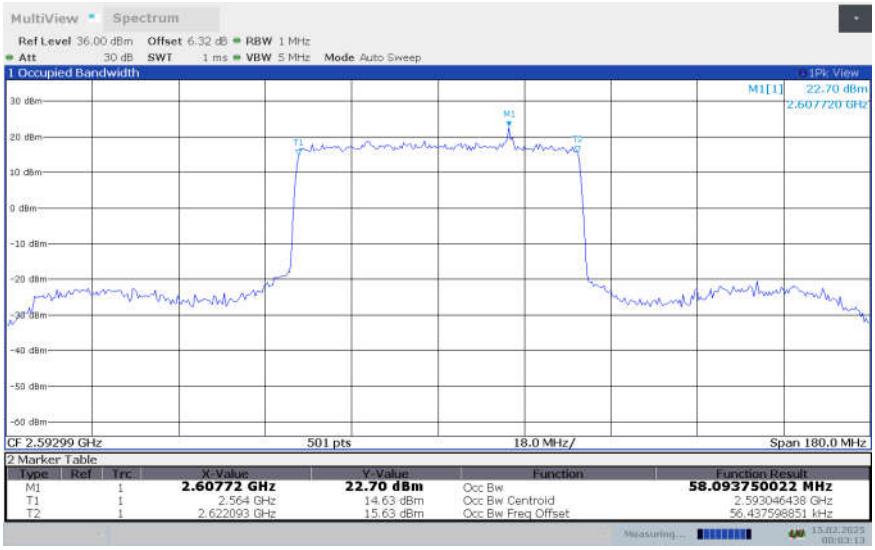


**n41,60MHz Bandwidth,DFT-s-QPSK (99% OBW)**

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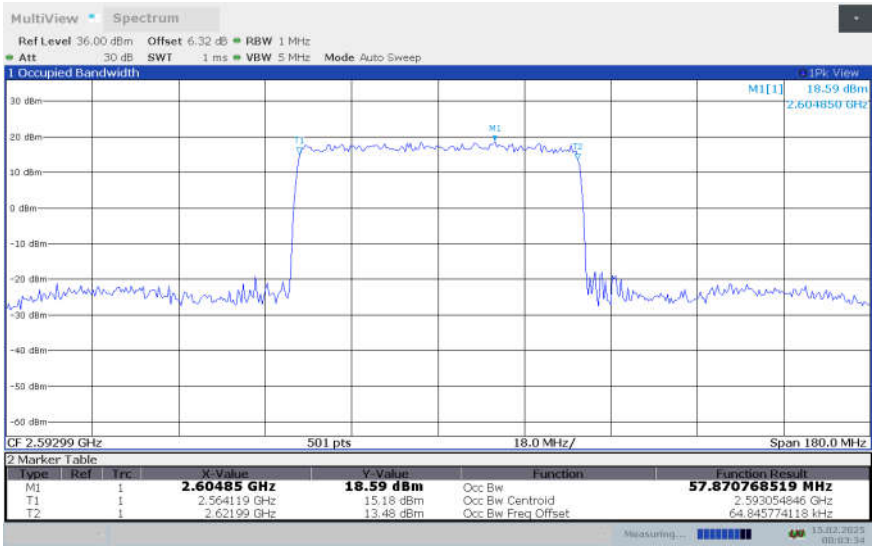
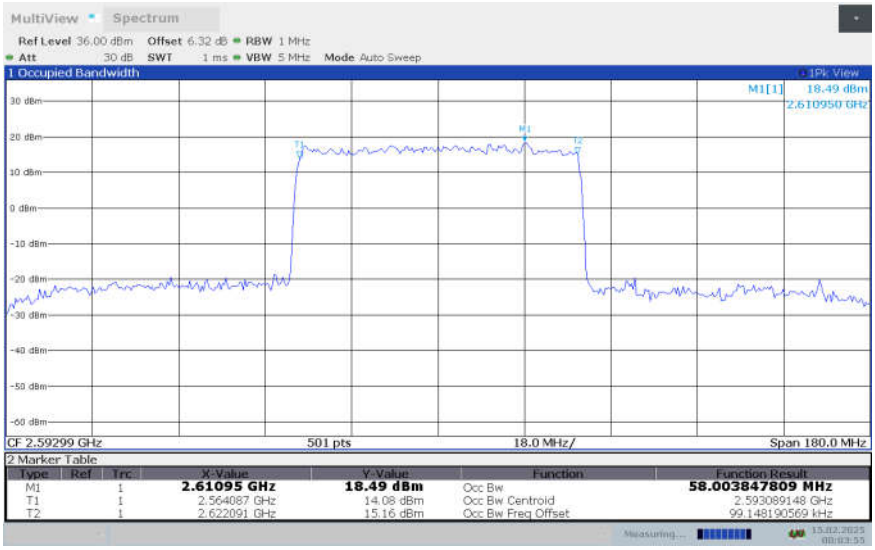



**n41,60MHz Bandwidth,DFT-s-16QAM (99% OBW)**




**n41,60MHz Bandwidth,DFT-s-64QAM (99% OBW)**

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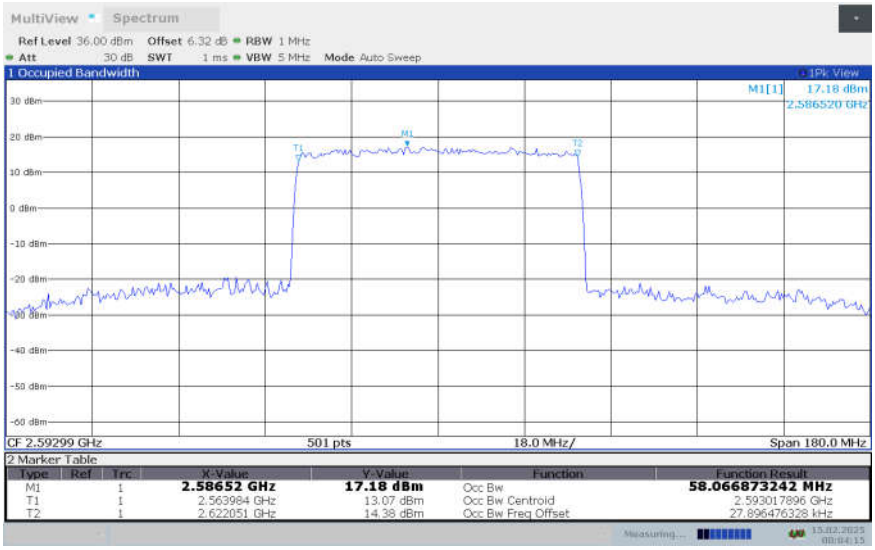
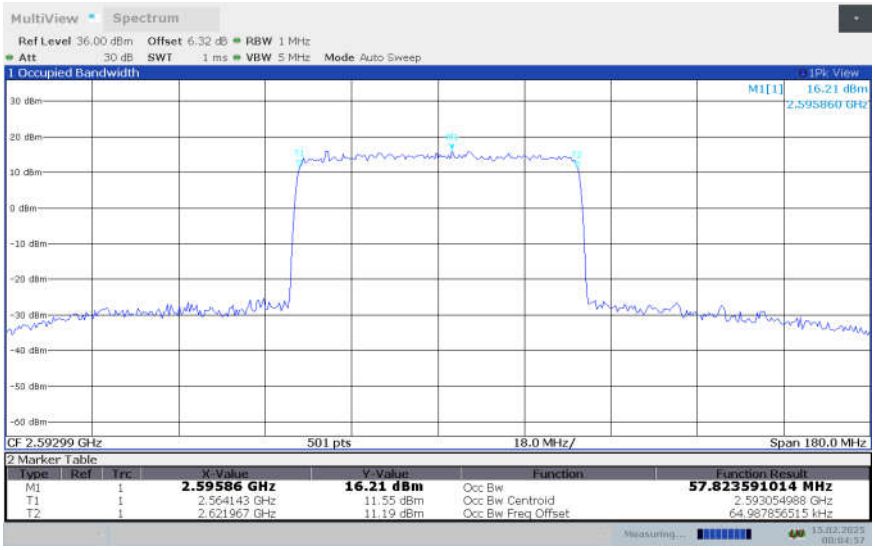



**n41,60MHz Bandwidth,DFT-s-256QAM (99% OBW)**




**n41,60MHz Bandwidth,CP-QPSK (99% OBW)**

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