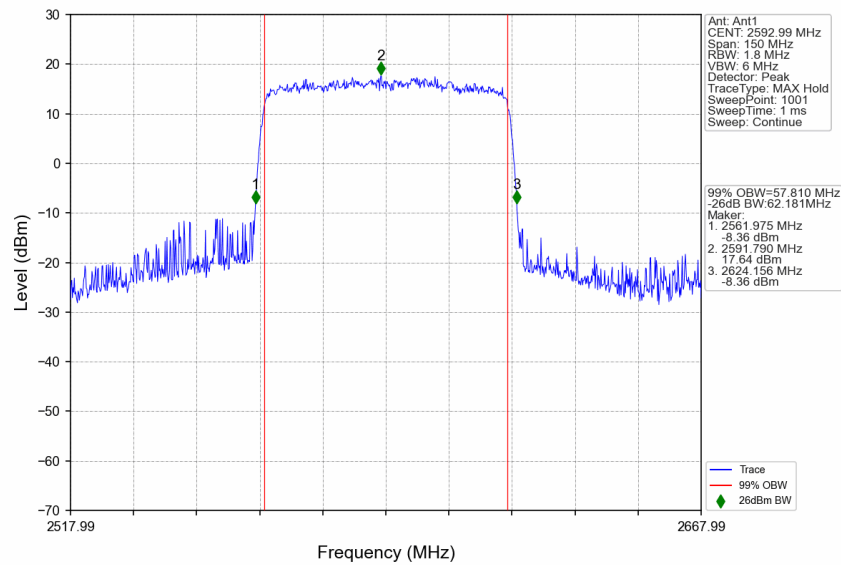


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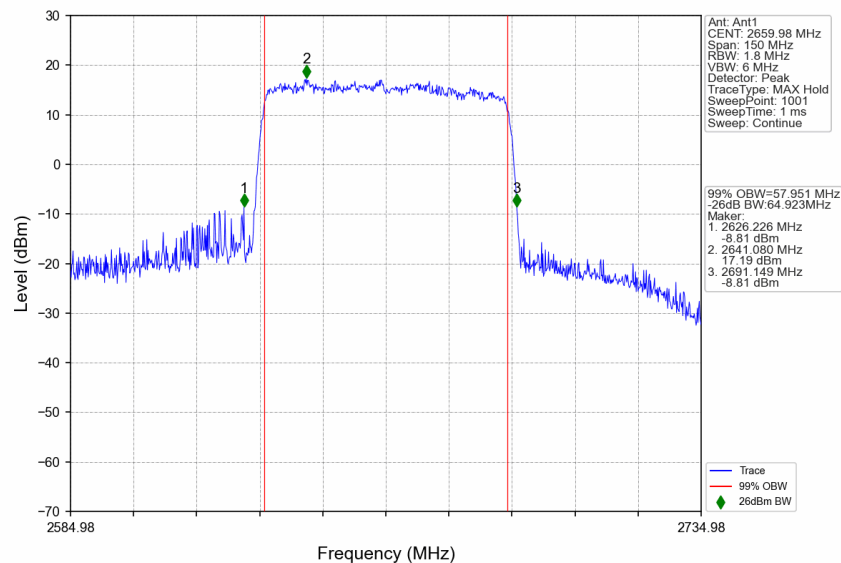
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n41\_30kHz\_SISO\_NTNV\_60MHz\_CP-OFDM QPSK\_2592.99MHz\_Outer\_Full



n41\_30kHz\_SISO\_NTNV\_60MHz\_CP-OFDM QPSK\_2659.98MHz\_Outer\_Full



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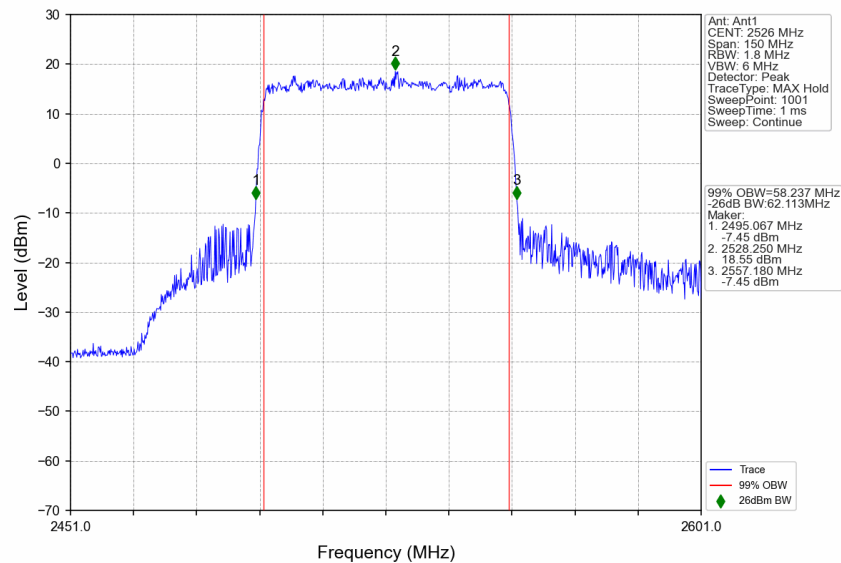
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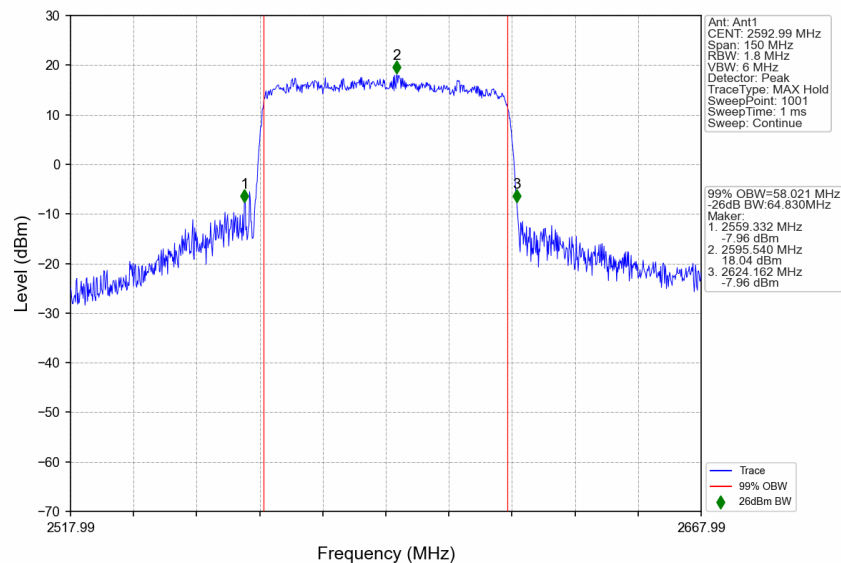
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n41\_30kHz\_SISO\_NTNV\_60MHz\_CP-OFDM\_16\_QAM\_2526MHz\_Outer\_Full



n41\_30kHz\_SISO\_NTNV\_60MHz\_CP-OFDM\_16\_QAM\_2592.99MHz\_Outer\_Full



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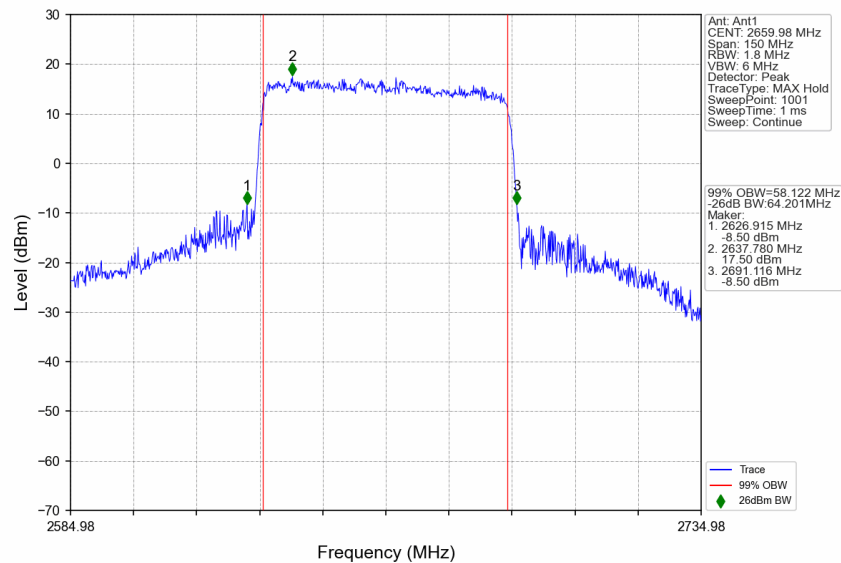
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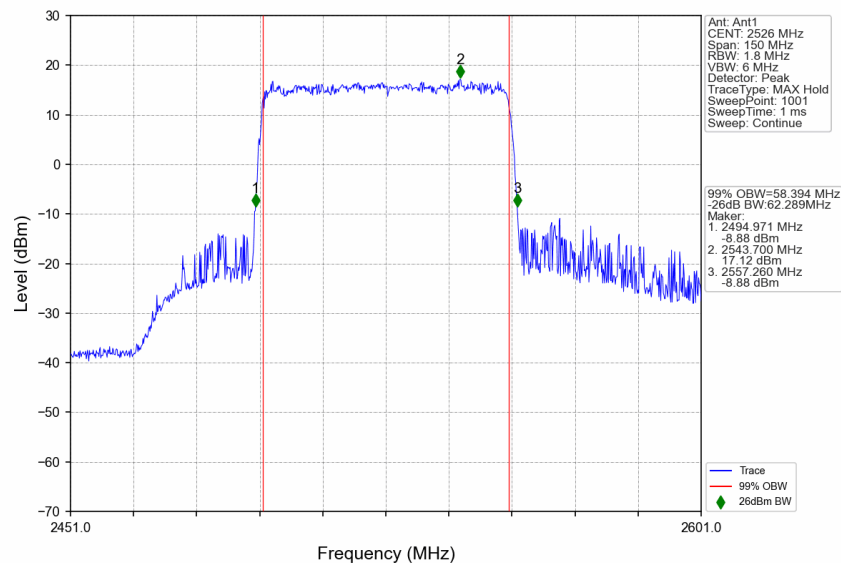
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n41\_30kHz\_SISO\_NTNV\_60MHz\_CP-OFDM 16 QAM\_2659.98MHz\_Outer\_Full



n41\_30kHz\_SISO\_NTNV\_60MHz\_CP-OFDM 64 QAM\_2526MHz\_Outer\_Full



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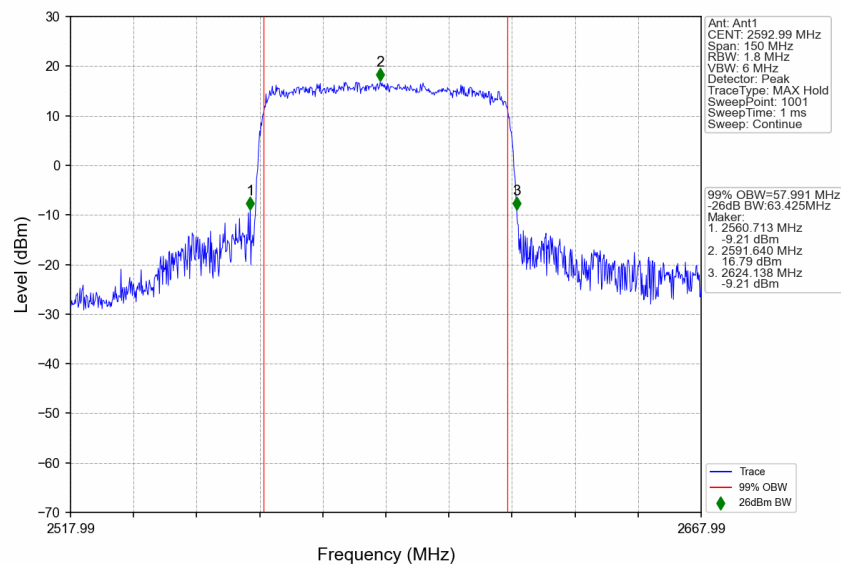
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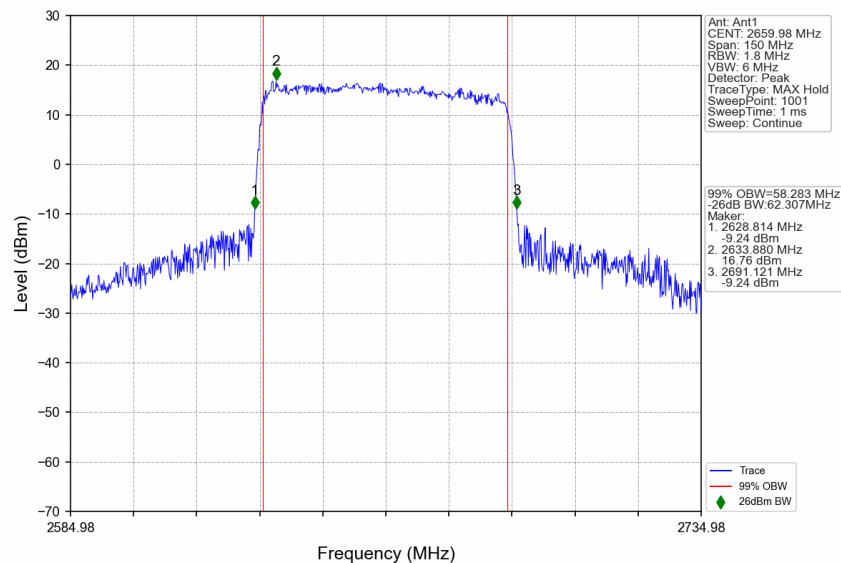
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n41\_30kHz\_SISO\_NTNV\_60MHz\_CP-OFDM\_64\_QAM\_2592.99MHz\_Outer\_Full



n41\_30kHz\_SISO\_NTNV\_60MHz\_CP-OFDM\_64\_QAM\_2659.98MHz\_Outer\_Full



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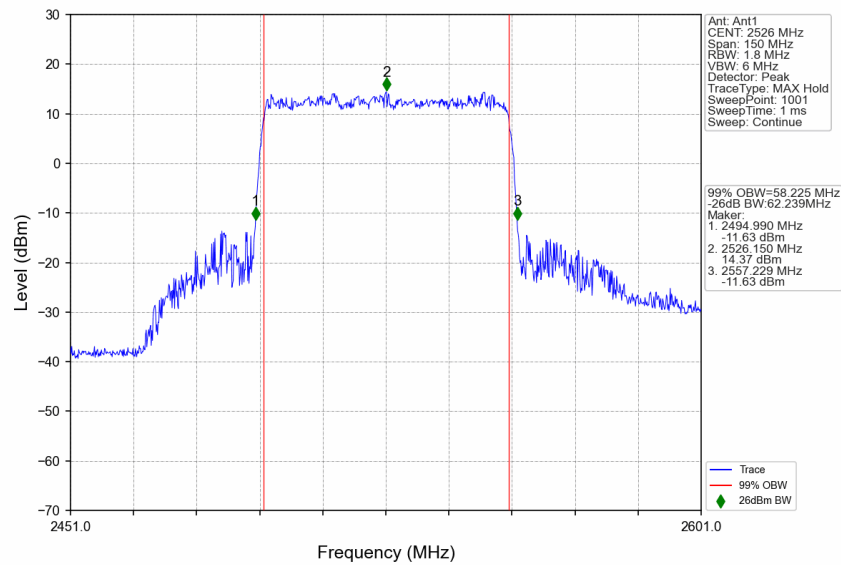
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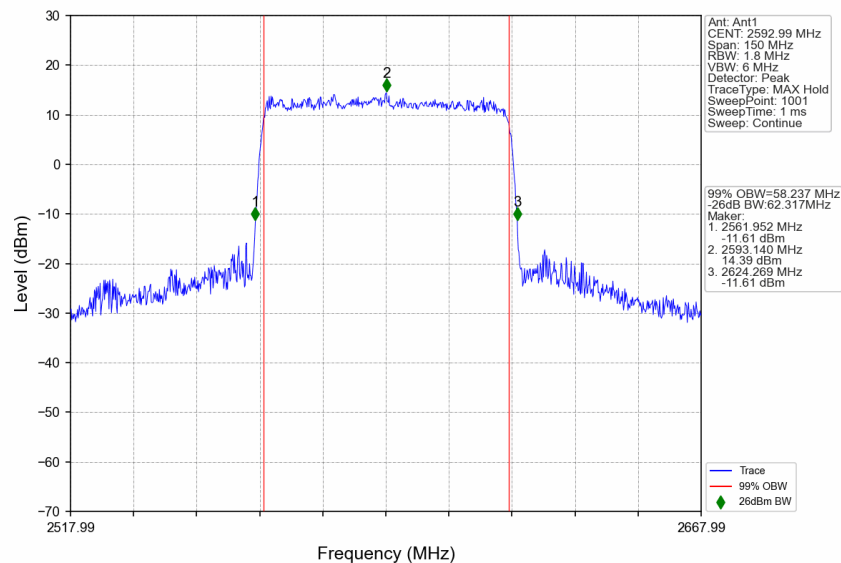
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n41\_30kHz\_SISO\_NTNV\_60MHz\_CP-OFDM 256 QAM\_2526MHz\_Outer\_Full



n41\_30kHz\_SISO\_NTNV\_60MHz\_CP-OFDM 256 QAM\_2592.99MHz\_Outer\_Full



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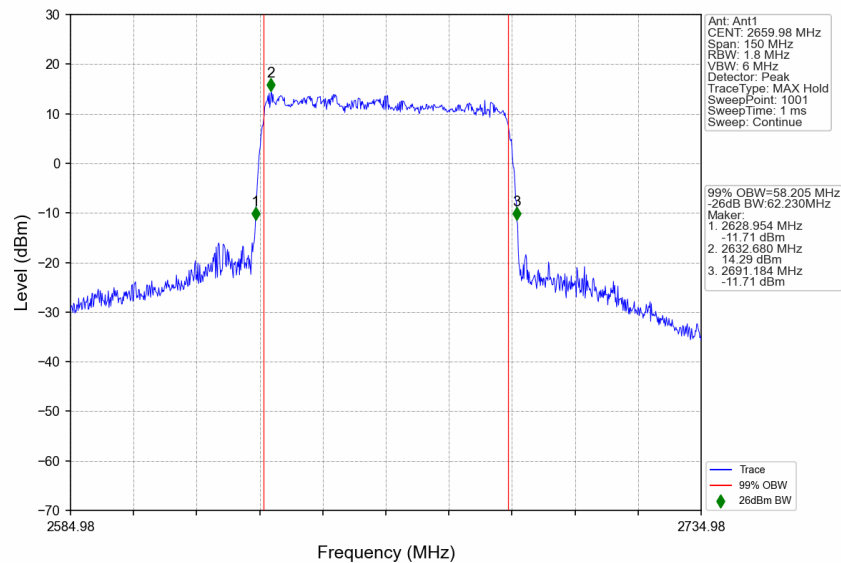
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## 4.16 30k\_SISO\_70MHz\_NTNV

## 4.16.1 Test Result

| 5G NR n41 SCS=30kHz SISO 70MHz NTV |                 |               |                     |                      |             |         |
|------------------------------------|-----------------|---------------|---------------------|----------------------|-------------|---------|
| Modulation                         | Frequency (MHz) | RB Allocation | 99% Bandwidth (MHz) | 26dB Bandwidth (MHz) | Limit (MHz) | Verdict |
| DFT-s-OFDM PI/2 BPSK               | 2531.01         | Outer Full    | 65.02               | 69.52                | /           | Pass    |
|                                    | 2592.99         | Outer Full    | 65.00               | 69.53                | /           | Pass    |
|                                    | 2655            | Outer Full    | 65.01               | 69.52                | /           | Pass    |
| DFT-s-OFDM QPSK                    | 2531.01         | Outer Full    | 64.92               | 69.74                | /           | Pass    |
|                                    | 2592.99         | Outer Full    | 64.87               | 69.53                | /           | Pass    |
|                                    | 2655            | Outer Full    | 64.94               | 69.69                | /           | Pass    |
| DFT-s-OFDM 16 QAM                  | 2531.01         | Outer Full    | 64.85               | 69.66                | /           | Pass    |
|                                    | 2592.99         | Outer Full    | 64.79               | 69.45                | /           | Pass    |
|                                    | 2655            | Outer Full    | 64.86               | 69.43                | /           | Pass    |
| DFT-s-OFDM 64 QAM                  | 2531.01         | Outer Full    | 64.92               | 69.62                | /           | Pass    |
|                                    | 2592.99         | Outer Full    | 64.93               | 69.58                | /           | Pass    |
|                                    | 2655            | Outer Full    | 64.98               | 69.54                | /           | Pass    |
| DFT-s-OFDM 256 QAM                 | 2531.01         | Outer Full    | 65.06               | 69.56                | /           | Pass    |
|                                    | 2592.99         | Outer Full    | 64.88               | 69.42                | /           | Pass    |
|                                    | 2655            | Outer Full    | 64.96               | 69.52                | /           | Pass    |
| CP-OFDM QPSK                       | 2531.01         | Outer Full    | 68.12               | 72.76                | /           | Pass    |
|                                    | 2592.99         | Outer Full    | 68.07               | 72.79                | /           | Pass    |
|                                    | 2655            | Outer Full    | 68.23               | 72.80                | /           | Pass    |
| CP-OFDM 16 QAM                     | 2531.01         | Outer Full    | 67.98               | 72.74                | /           | Pass    |
|                                    | 2592.99         | Outer Full    | 68.00               | 72.67                | /           | Pass    |
|                                    | 2655            | Outer Full    | 68.11               | 72.74                | /           | Pass    |
| CP-OFDM 64 QAM                     | 2531.01         | Outer Full    | 68.01               | 72.82                | /           | Pass    |
|                                    | 2592.99         | Outer Full    | 68.03               | 72.79                | /           | Pass    |
|                                    | 2655            | Outer Full    | 68.01               | 72.81                | /           | Pass    |
| CP-OFDM 256 QAM                    | 2531.01         | Outer Full    | 67.89               | 72.81                | /           | Pass    |
|                                    | 2592.99         | Outer Full    | 68.03               | 72.86                | /           | Pass    |
|                                    | 2655            | Outer Full    | 68.04               | 72.68                | /           | Pass    |



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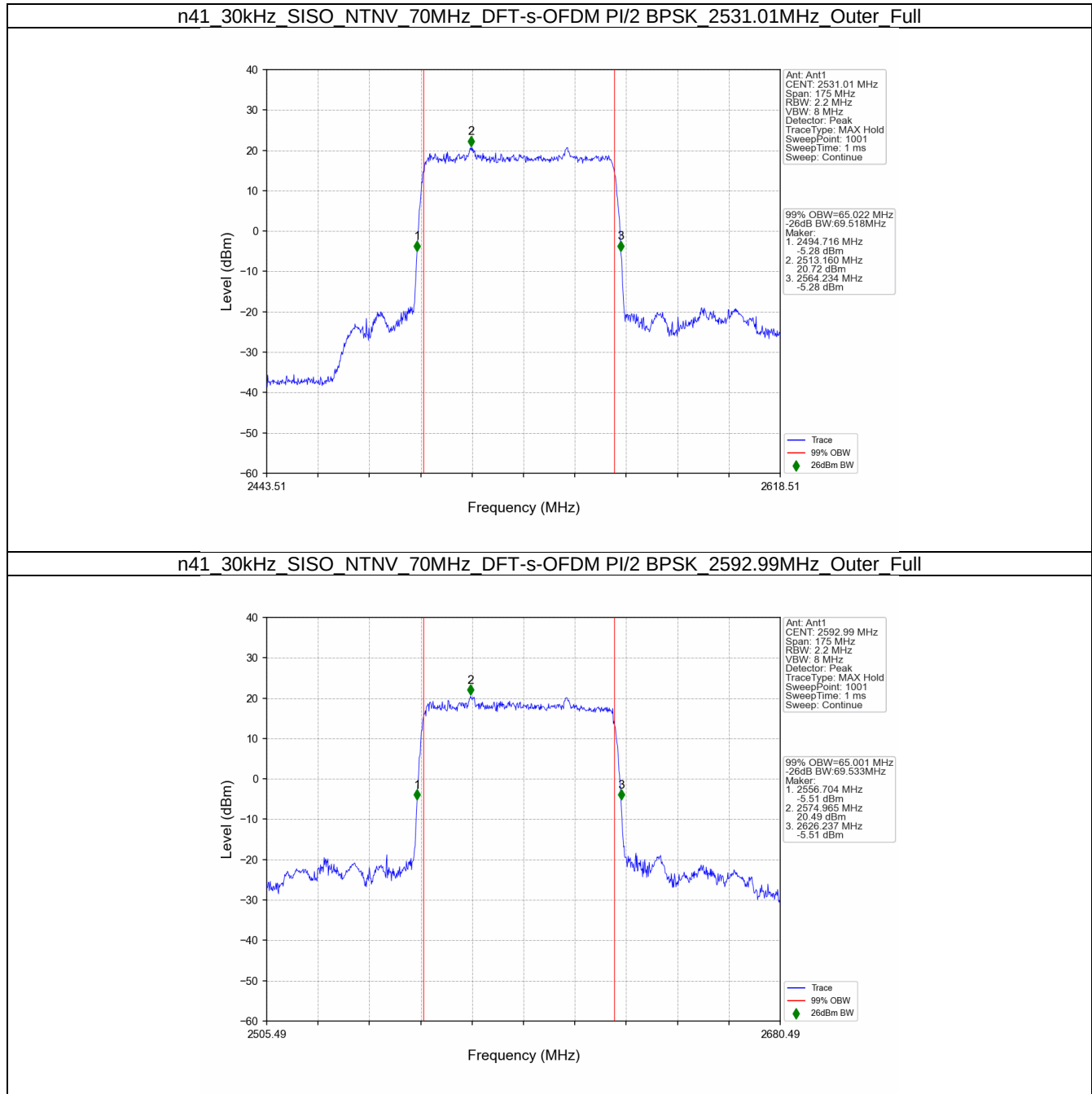
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### 4.16.2 Test Graph



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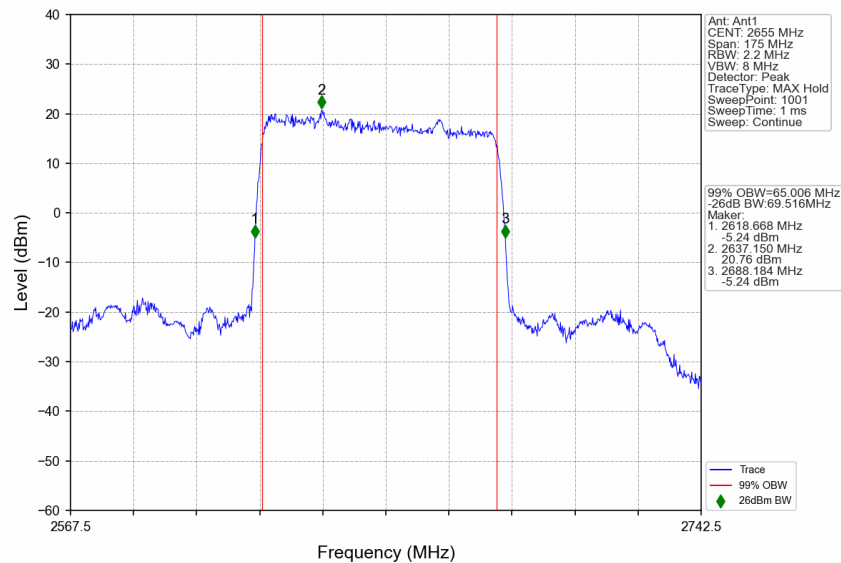
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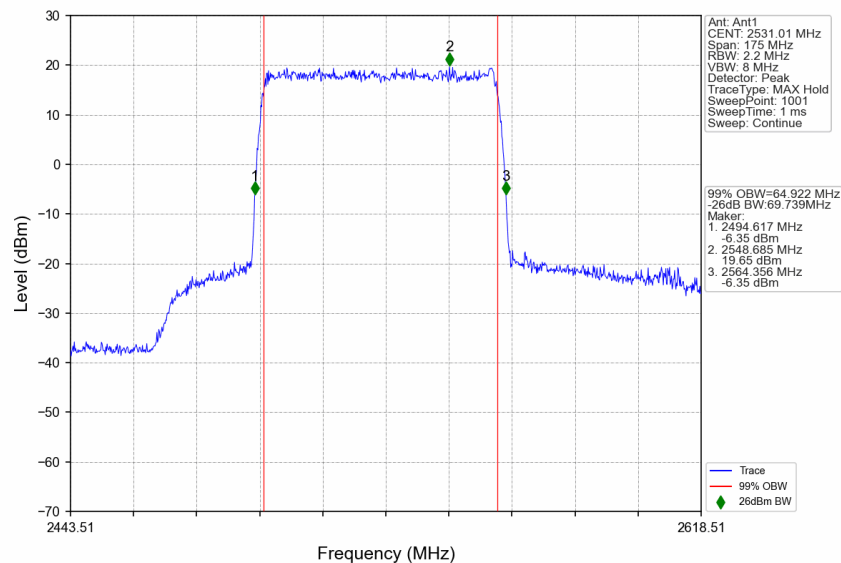
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n41\_30kHz\_SISO\_NTNV\_70MHz\_DFT-s-OFDM\_PI/2\_BPSK\_2655MHz\_Outer\_Full



n41\_30kHz\_SISO\_NTNV\_70MHz\_DFT-s-OFDM\_QPSK\_2531.01MHz\_Outer\_Full



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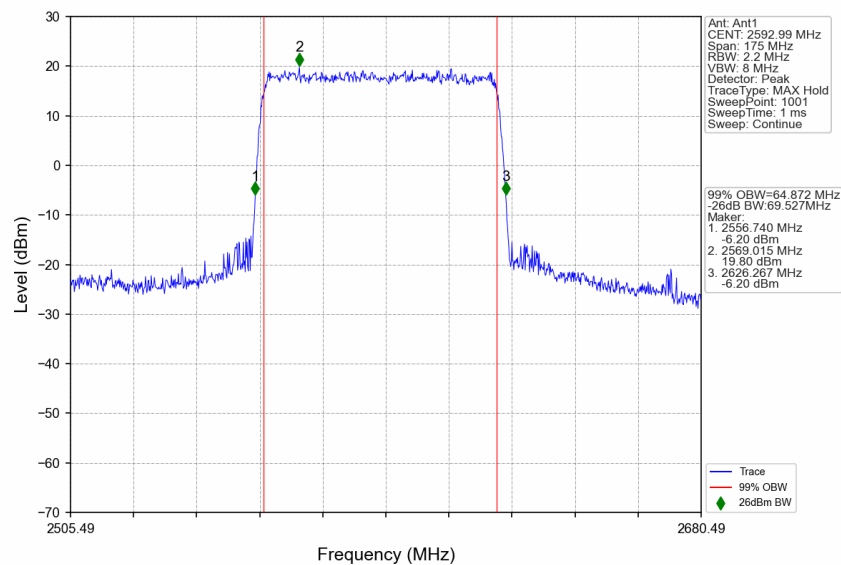
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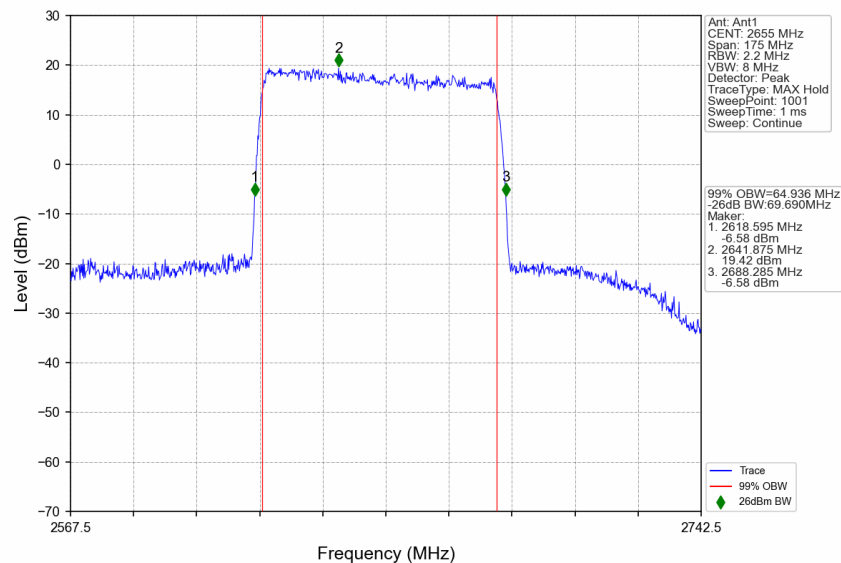
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n41\_30kHz\_SISO\_NTNV\_70MHz\_DFT-s-OFDM QPSK\_2655MHz\_Outer\_Full



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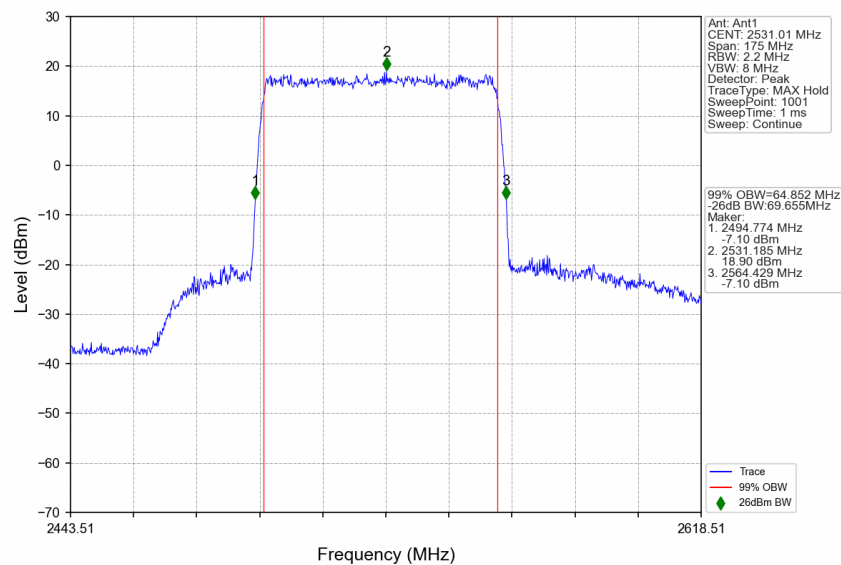
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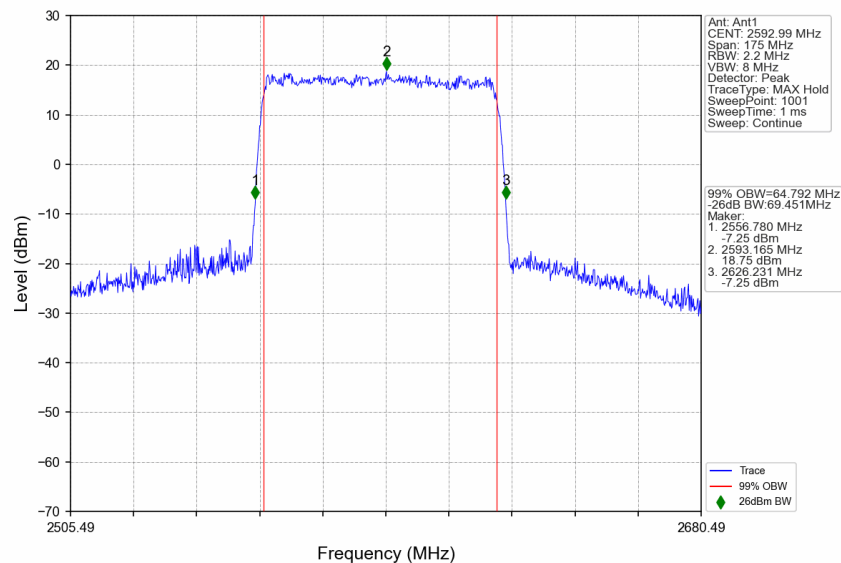
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n41\_30kHz\_SISO\_NTNV\_70MHz\_DFT-s-OFDM\_16\_QAM\_2531.01MHz\_Outer\_Full



n41\_30kHz\_SISO\_NTNV\_70MHz\_DFT-s-OFDM\_16\_QAM\_2592.99MHz\_Outer\_Full



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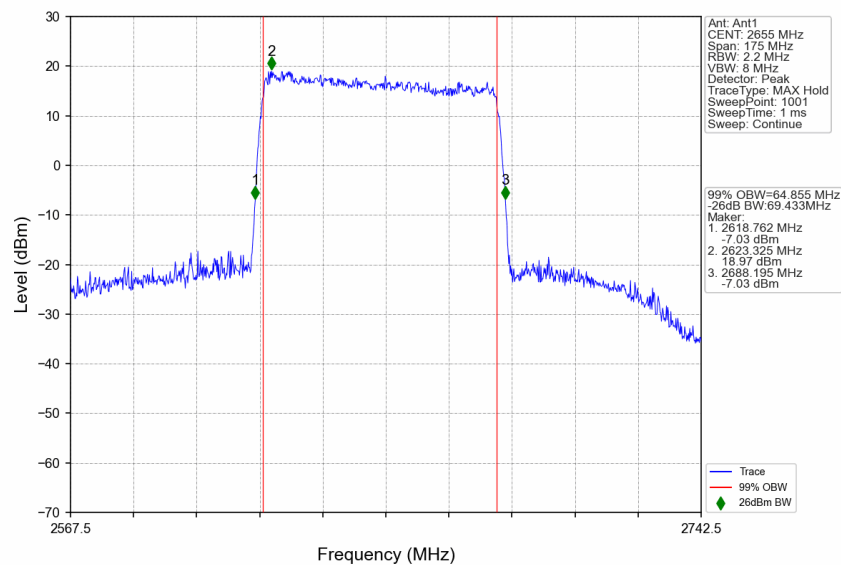
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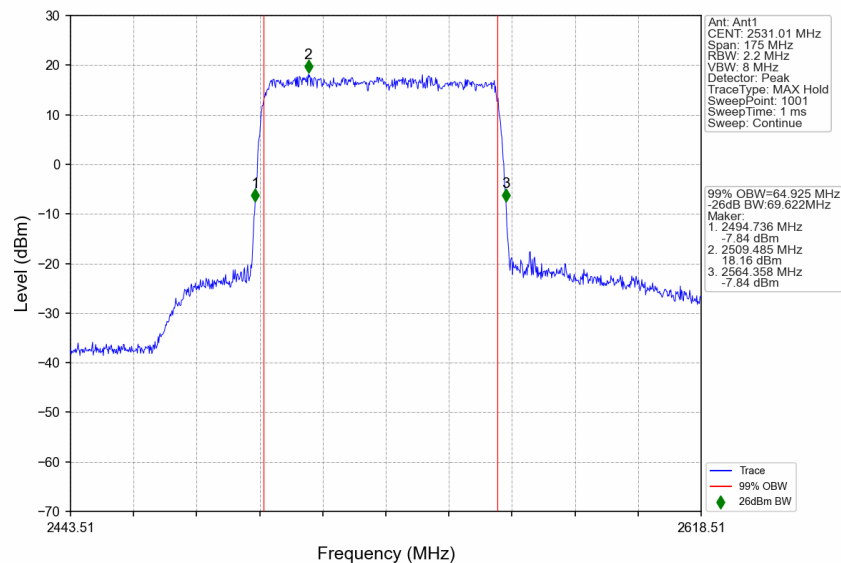
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n41\_30kHz\_SISO\_NTNV\_70MHz\_DFT-s-OFDM\_64\_QAM\_2531.01MHz\_Outer\_Full



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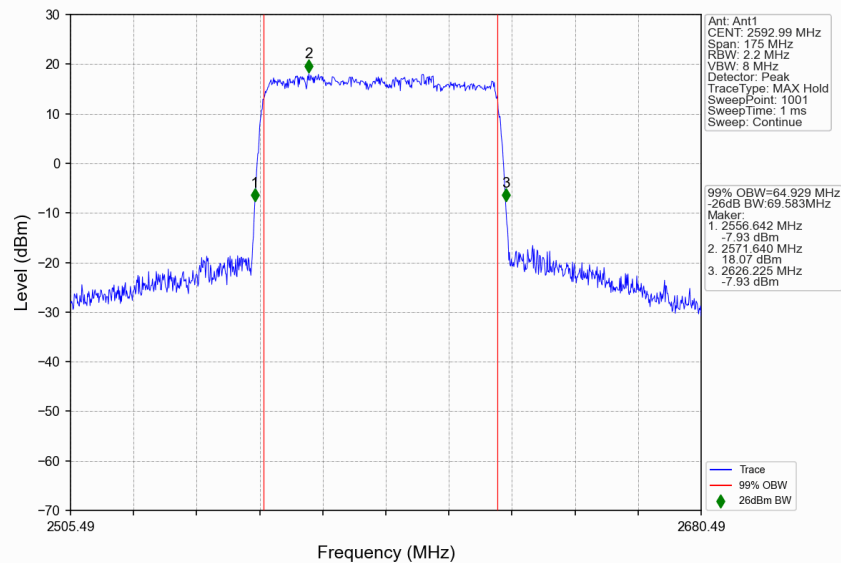
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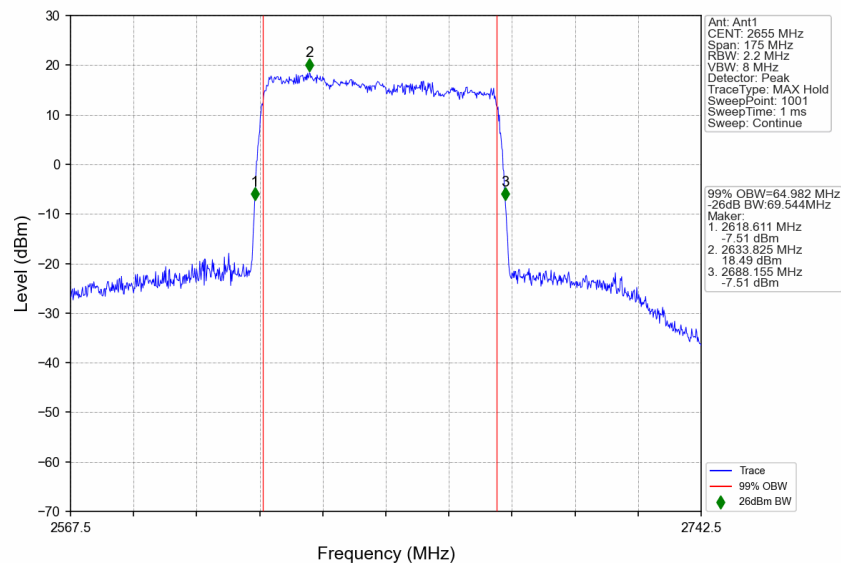
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n41\_30kHz\_SISO\_NTNV\_70MHz\_DFT-s-OFDM 64 QAM\_2592.99MHz\_Outer\_Full



n41\_30kHz\_SISO\_NTNV\_70MHz\_DFT-s-OFDM 64 QAM\_2655MHz\_Outer\_Full



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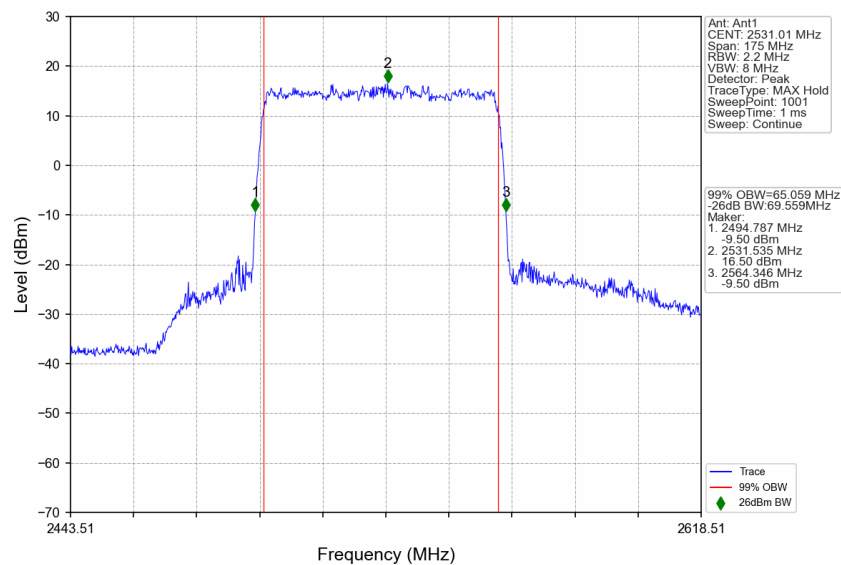
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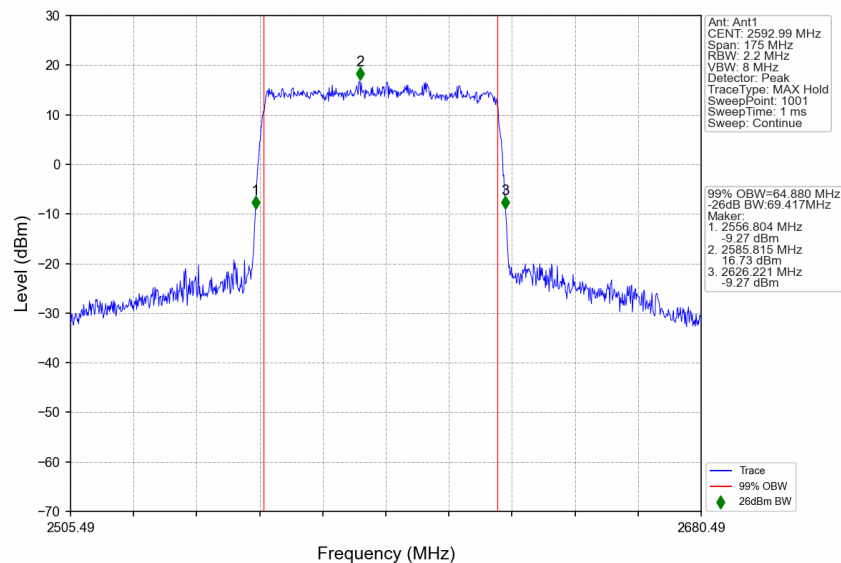
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n41\_30kHz\_SISO\_NTNV\_70MHz\_DFT-s-OFDM\_2531.01MHz\_Outer\_Full



n41\_30kHz\_SISO\_NTNV\_70MHz\_DFT-s-OFDM\_2592.99MHz\_Outer\_Full



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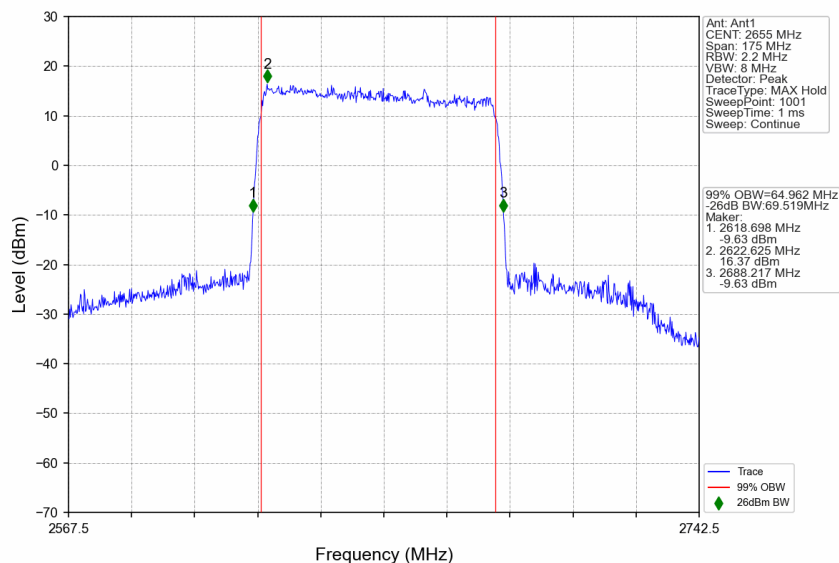
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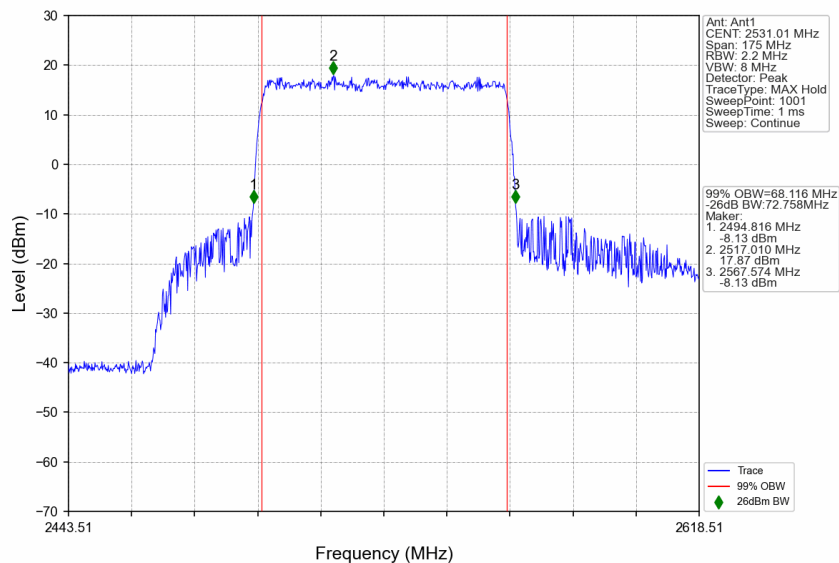
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n41\_30kHz\_SISO\_NTNV\_70MHz\_DFT-s-OFDM\_256\_QAM\_2655MHz\_Outer\_Full



n41\_30kHz\_SISO\_NTNV\_70MHz\_CP-OFDM\_QPSK\_2531.01MHz\_Outer\_Full



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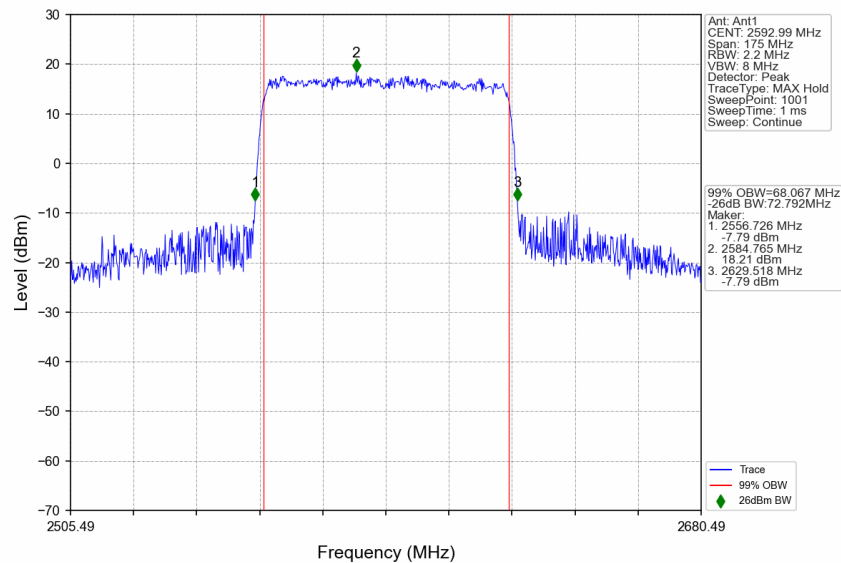
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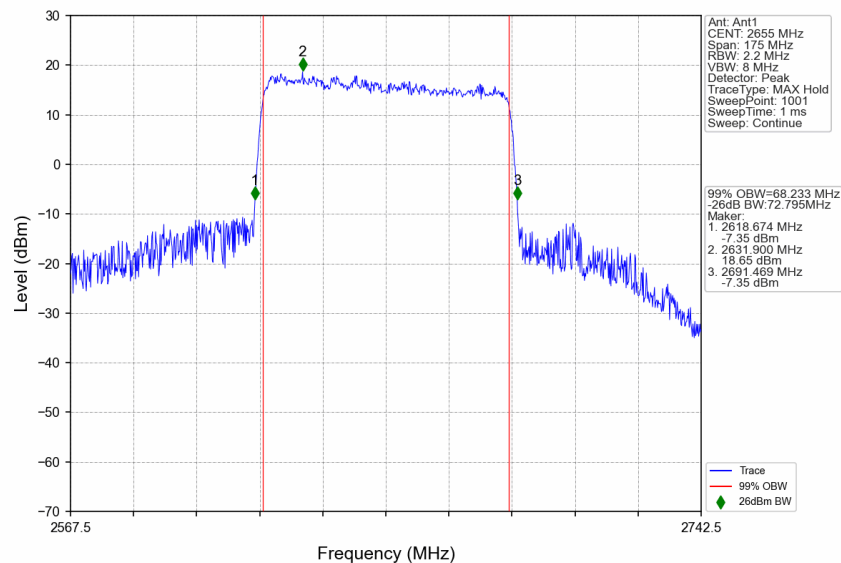
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n41\_30kHz\_SISO\_NTNV\_70MHz\_CP-OFDM QPSK\_2592.99MHz\_Outer\_Full



n41\_30kHz\_SISO\_NTNV\_70MHz\_CP-OFDM QPSK\_2655MHz\_Outer\_Full



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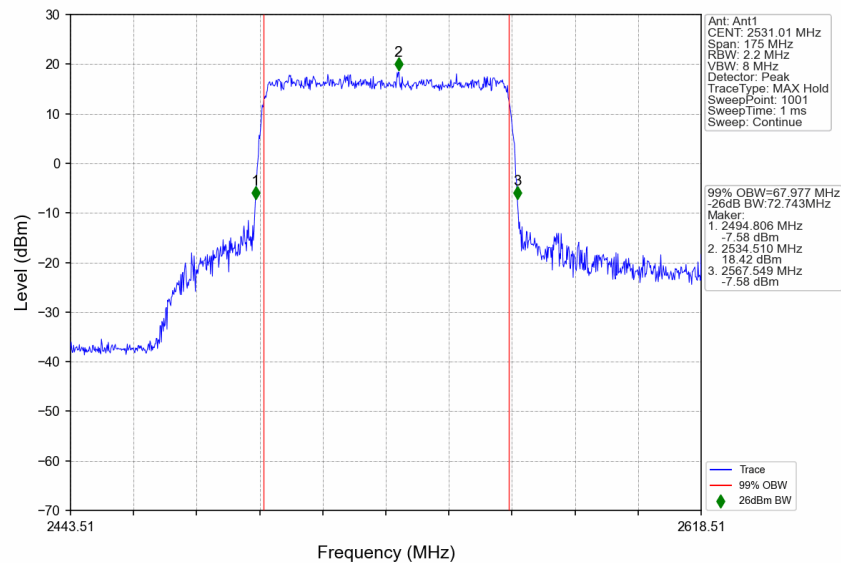
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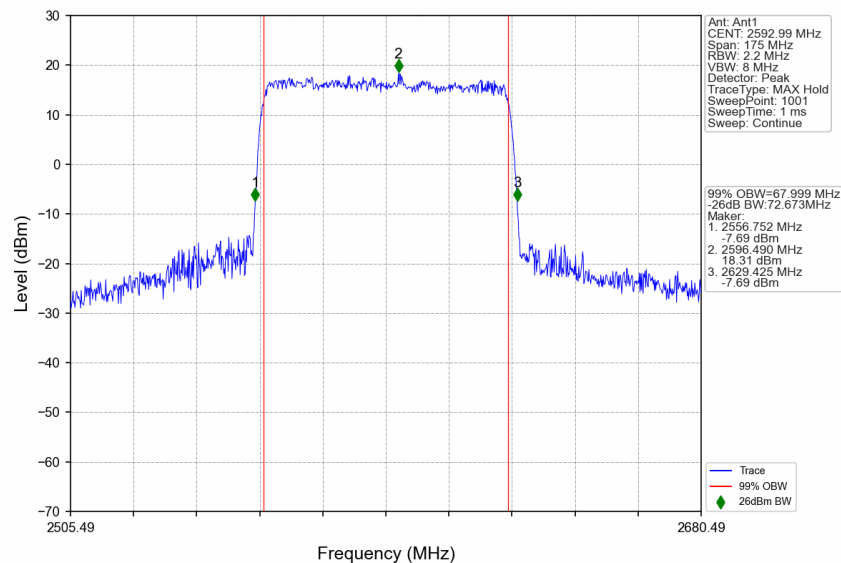
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n41\_30kHz\_SISO\_NTNV\_70MHz\_CP-OFDM\_16\_QAM\_2531.01MHz\_Outer\_Full



n41\_30kHz\_SISO\_NTNV\_70MHz\_CP-OFDM\_16\_QAM\_2592.99MHz\_Outer\_Full



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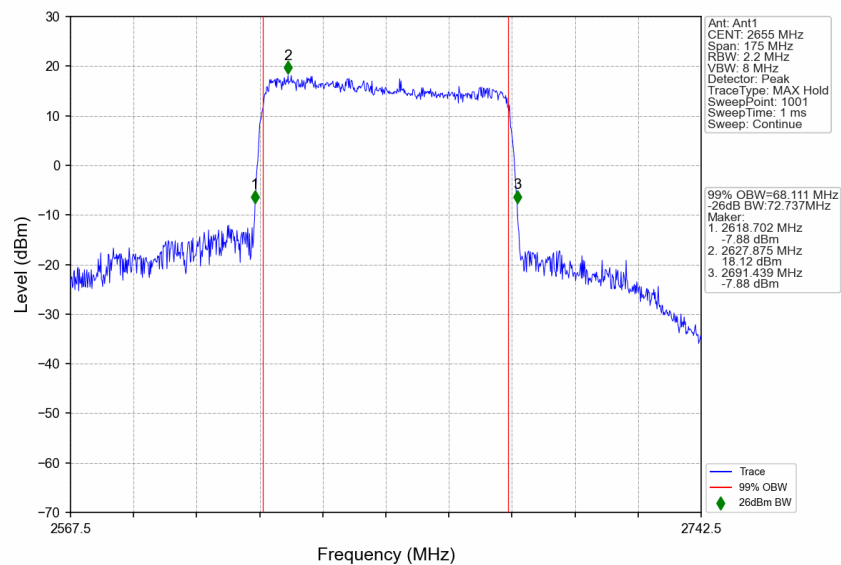
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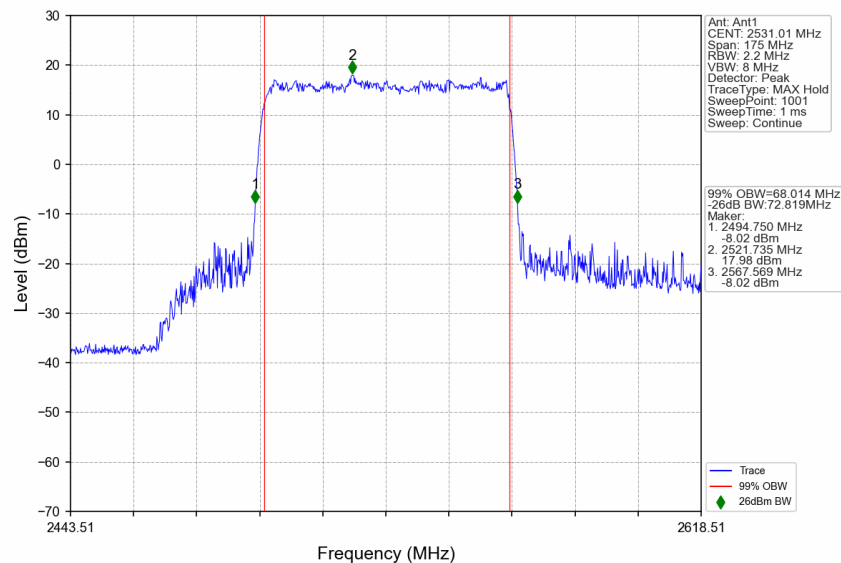
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n41\_30kHz\_SISO\_NTNV\_70MHz\_CP-OFDM 16 QAM\_2655MHz\_Outer\_Full



n41\_30kHz\_SISO\_NTNV\_70MHz\_CP-OFDM 64 QAM\_2531.01MHz\_Outer\_Full



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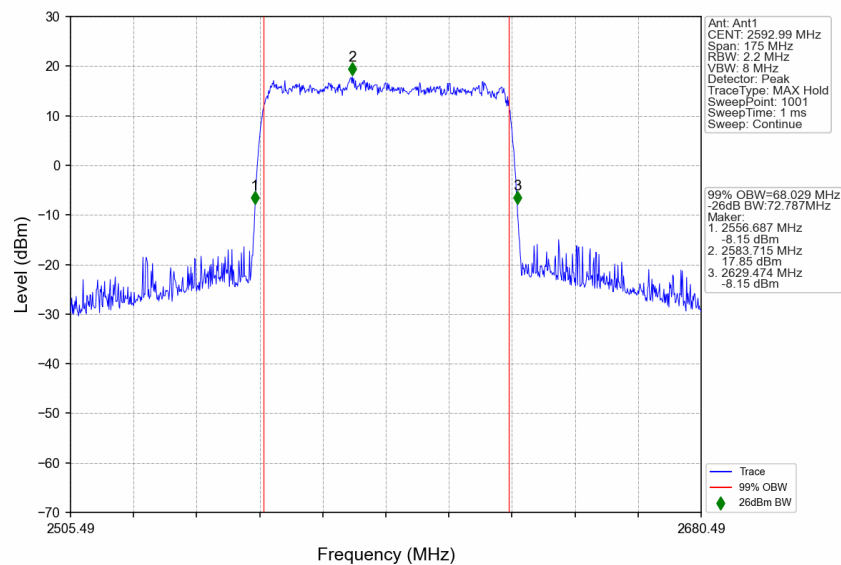
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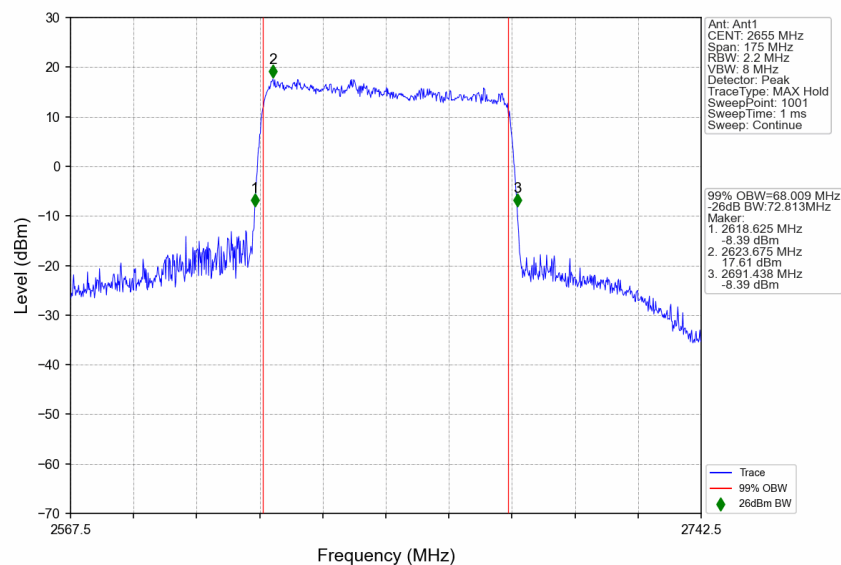
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n41\_30kHz\_SISO\_NTNV\_70MHz\_CP-OFDM 64 QAM\_2592.99MHz\_Outer\_Full



n41\_30kHz\_SISO\_NTNV\_70MHz\_CP-OFDM 64 QAM\_2655MHz\_Outer\_Full



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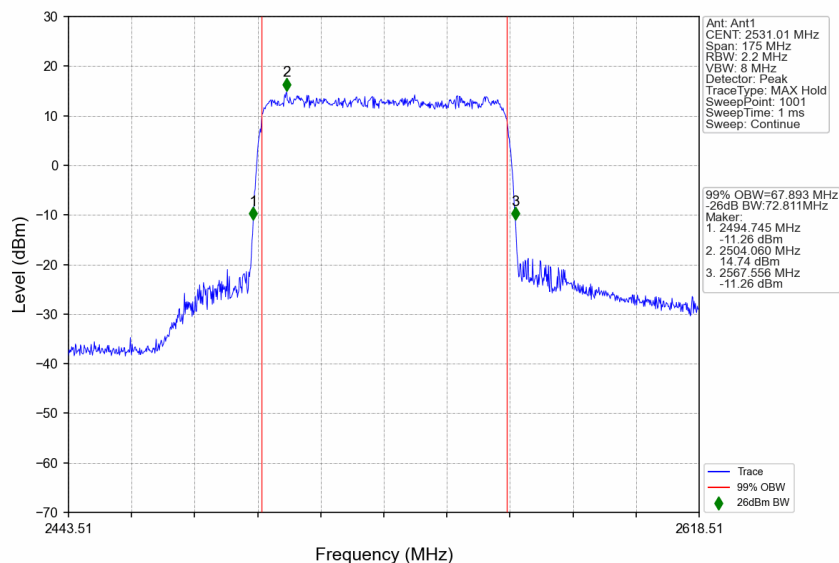
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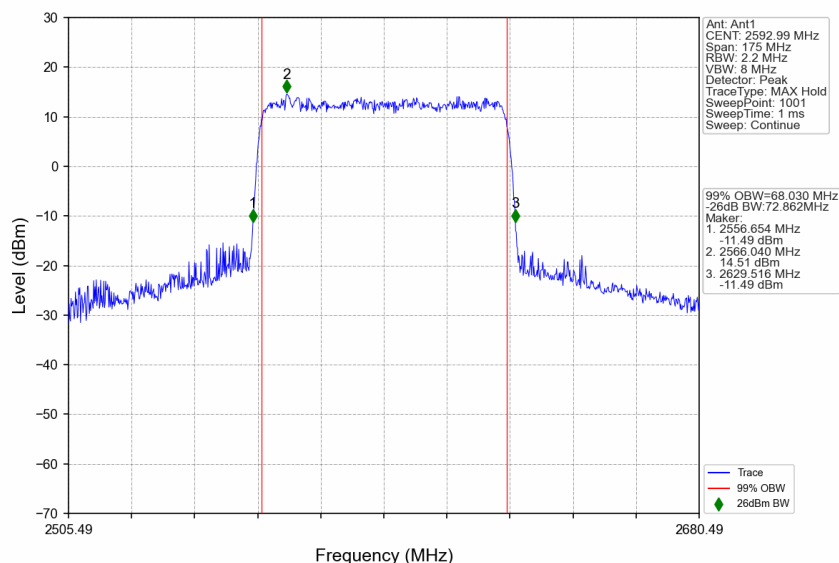
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n41\_30kHz\_SISO\_NTNV\_70MHz\_CP-OFDM\_256\_QAM\_2531.01MHz\_Outer\_Full



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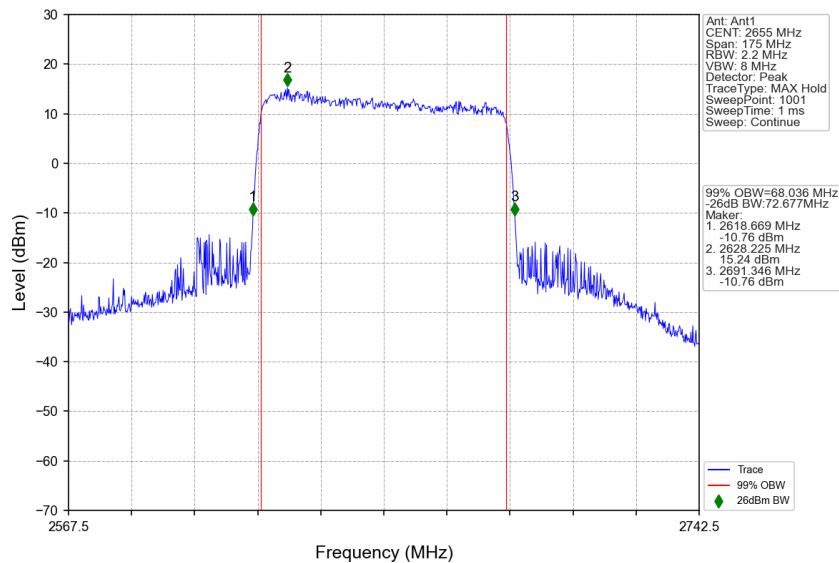
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n41\_30kHz\_SISO\_NTNV\_70MHz\_CP-OFDM 256 QAM\_2655MHz\_Outer\_Full



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## 4.17 30k\_SISO\_80MHz\_NTNV

## 4.17.1 Test Result

| 5G NR n41 SCS=30kHz SISO 80MHz NTV |                 |               |                     |                      |             |         |
|------------------------------------|-----------------|---------------|---------------------|----------------------|-------------|---------|
| Modulation                         | Frequency (MHz) | RB Allocation | 99% Bandwidth (MHz) | 26dB Bandwidth (MHz) | Limit (MHz) | Verdict |
| DFT-s-OFDM PI/2 BPSK               | 2536.02         | Outer Full    | 77.84               | 82.92                | /           | Pass    |
|                                    | 2592.99         | Outer Full    | 77.63               | 82.90                | /           | Pass    |
|                                    | 2649.99         | Outer Full    | 77.64               | 82.80                | /           | Pass    |
| DFT-s-OFDM QPSK                    | 2536.02         | Outer Full    | 77.77               | 83.13                | /           | Pass    |
|                                    | 2592.99         | Outer Full    | 77.55               | 83.11                | /           | Pass    |
|                                    | 2649.99         | Outer Full    | 77.81               | 83.06                | /           | Pass    |
| DFT-s-OFDM 16 QAM                  | 2536.02         | Outer Full    | 77.62               | 83.01                | /           | Pass    |
|                                    | 2592.99         | Outer Full    | 77.47               | 82.95                | /           | Pass    |
|                                    | 2649.99         | Outer Full    | 77.54               | 83.05                | /           | Pass    |
| DFT-s-OFDM 64 QAM                  | 2536.02         | Outer Full    | 77.85               | 83.15                | /           | Pass    |
|                                    | 2592.99         | Outer Full    | 77.62               | 83.13                | /           | Pass    |
|                                    | 2649.99         | Outer Full    | 77.71               | 83.00                | /           | Pass    |
| DFT-s-OFDM 256 QAM                 | 2536.02         | Outer Full    | 77.83               | 83.06                | /           | Pass    |
|                                    | 2592.99         | Outer Full    | 77.63               | 82.89                | /           | Pass    |
|                                    | 2649.99         | Outer Full    | 77.82               | 82.97                | /           | Pass    |
| CP-OFDM QPSK                       | 2536.02         | Outer Full    | 78.10               | 83.56                | /           | Pass    |
|                                    | 2592.99         | Outer Full    | 77.94               | 83.45                | /           | Pass    |
|                                    | 2649.99         | Outer Full    | 78.06               | 83.16                | /           | Pass    |
| CP-OFDM 16 QAM                     | 2536.02         | Outer Full    | 77.98               | 83.40                | /           | Pass    |
|                                    | 2592.99         | Outer Full    | 77.89               | 83.20                | /           | Pass    |
|                                    | 2649.99         | Outer Full    | 77.89               | 83.26                | /           | Pass    |
| CP-OFDM 64 QAM                     | 2536.02         | Outer Full    | 78.26               | 83.36                | /           | Pass    |
|                                    | 2592.99         | Outer Full    | 78.15               | 83.39                | /           | Pass    |
|                                    | 2649.99         | Outer Full    | 78.25               | 83.30                | /           | Pass    |
| CP-OFDM 256 QAM                    | 2536.02         | Outer Full    | 78.20               | 83.45                | /           | Pass    |
|                                    | 2592.99         | Outer Full    | 78.09               | 83.44                | /           | Pass    |
|                                    | 2649.99         | Outer Full    | 78.08               | 83.28                | /           | Pass    |



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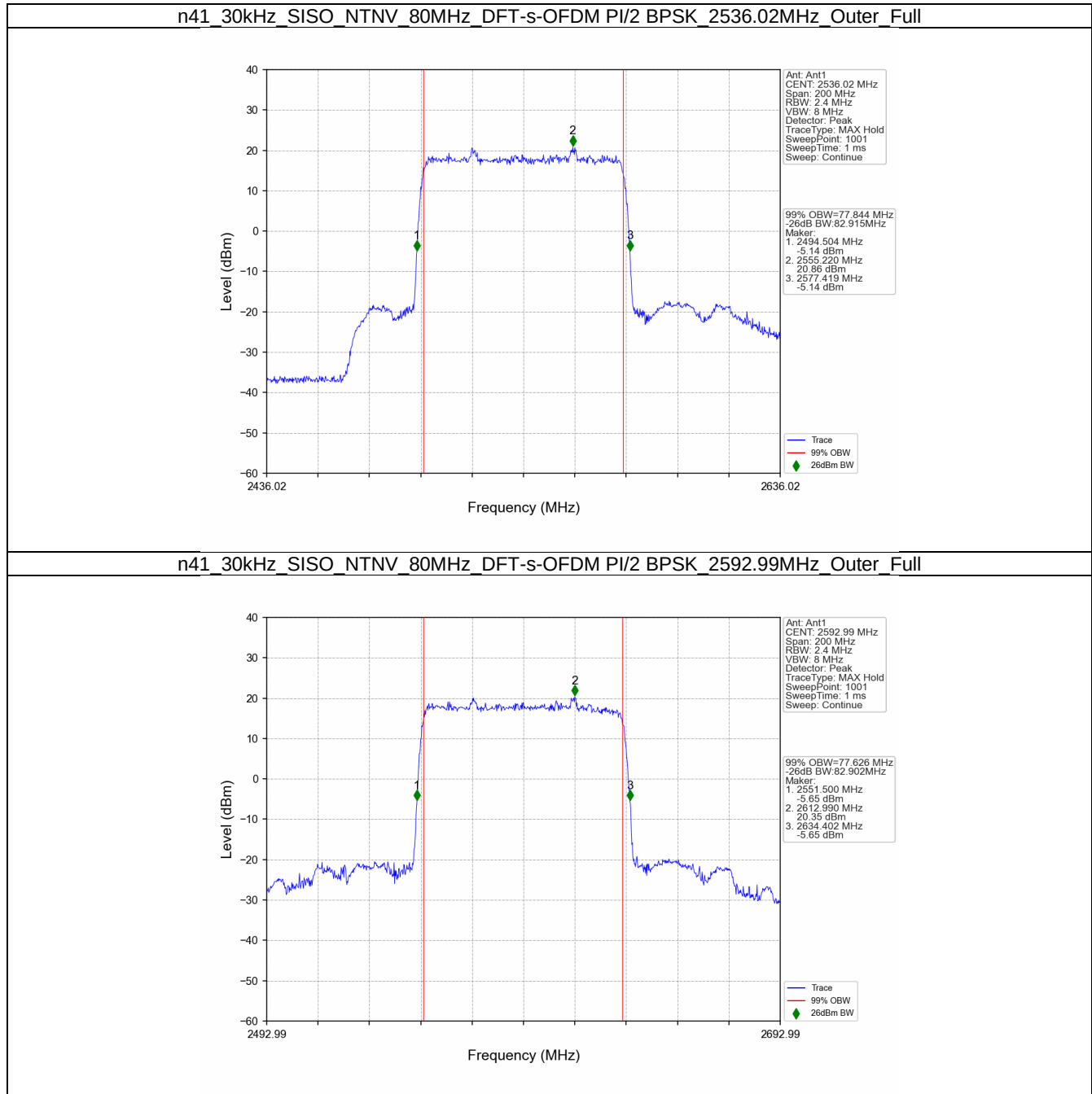
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### 4.17.2 Test Graph



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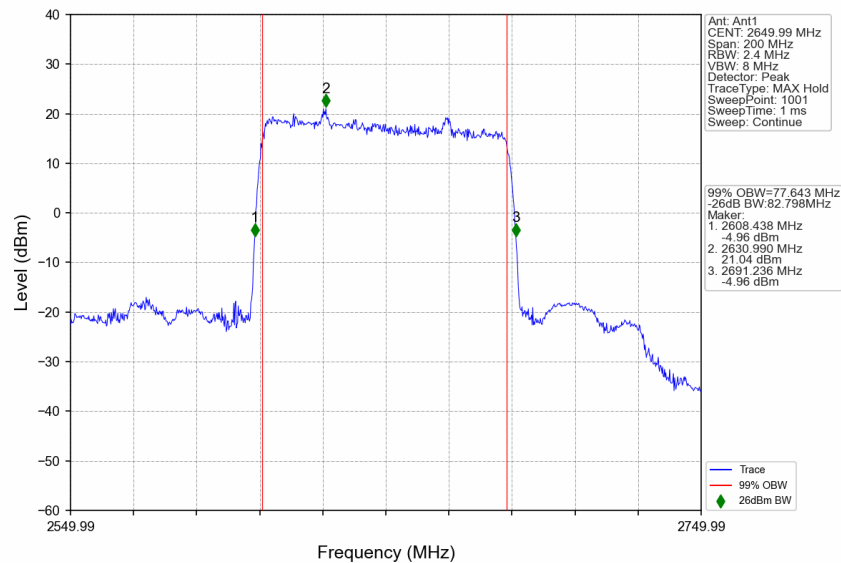
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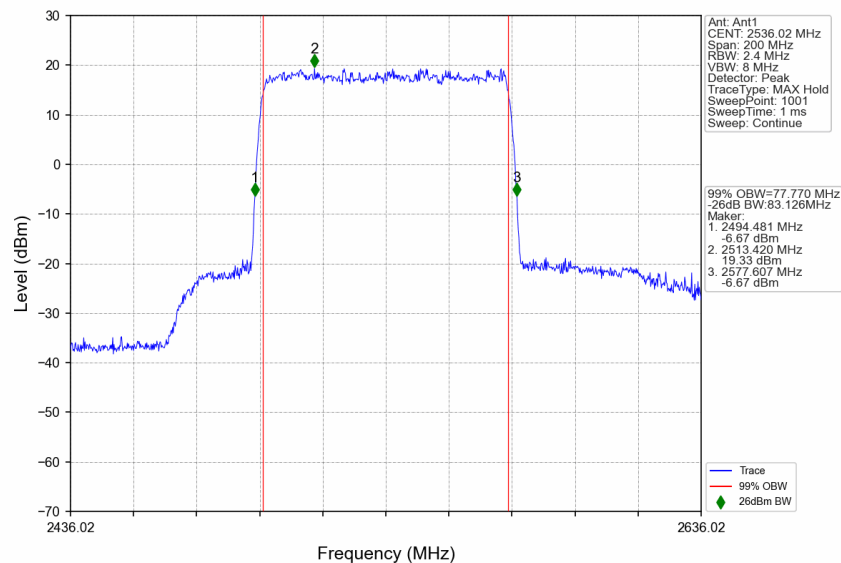
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n41\_30kHz\_SISO\_NTNV\_80MHz\_DFT-s-OFDM QPSK\_2536.02MHz\_Outer\_Full



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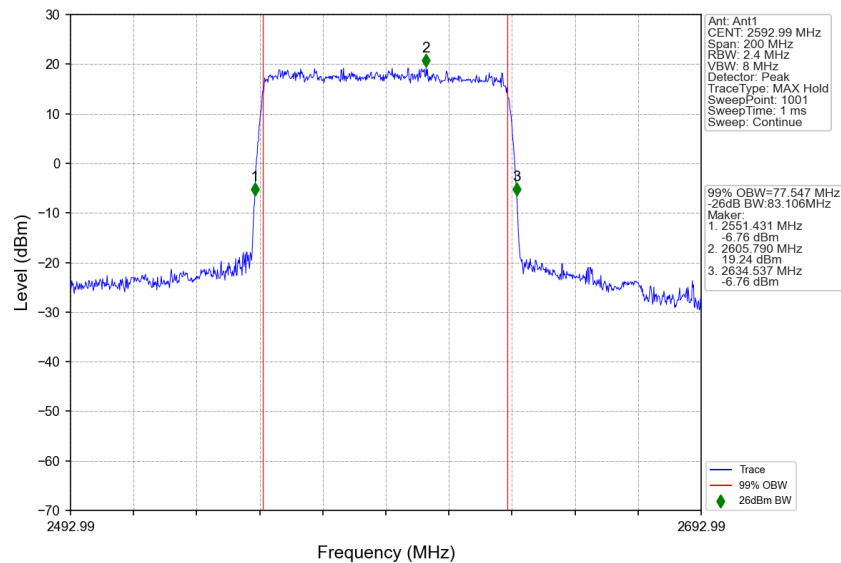
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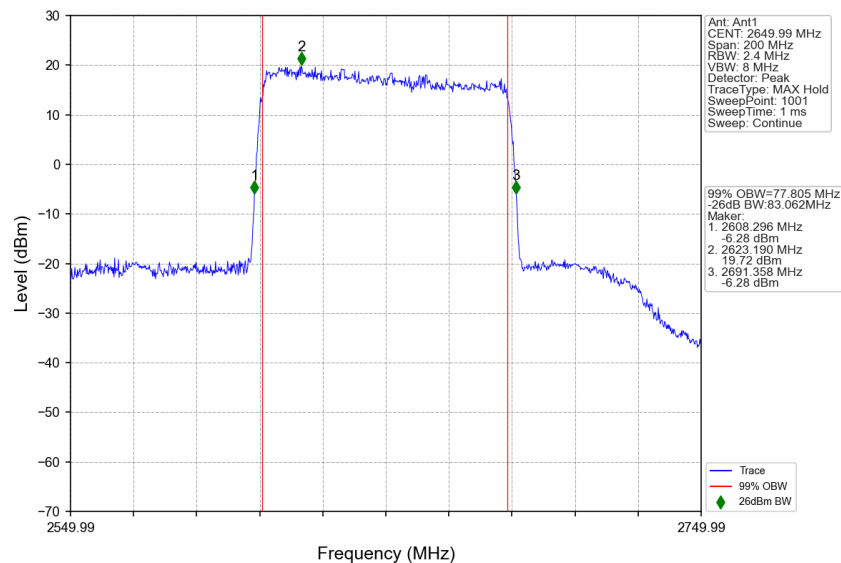
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n41\_30kHz\_SISO\_NTNV\_80MHz\_DFT-s-OFDM QPSK\_2649.99MHz\_Outer\_Full



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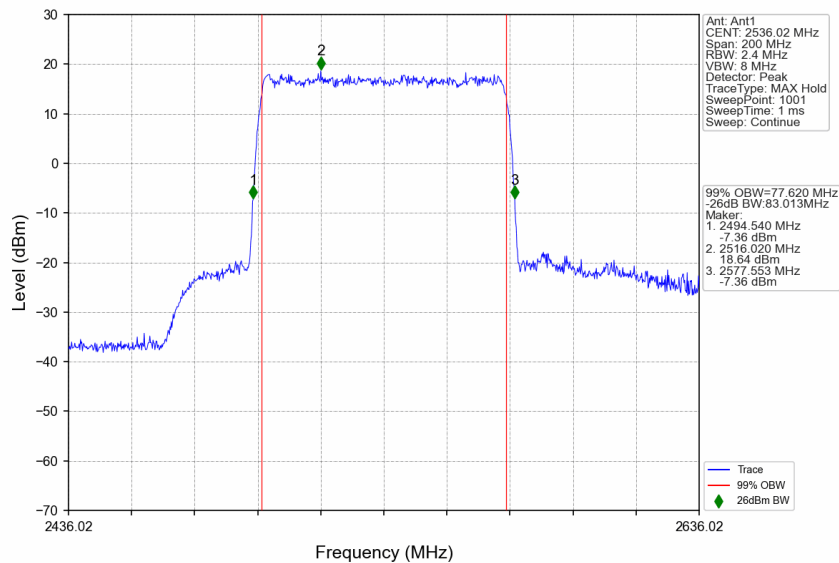
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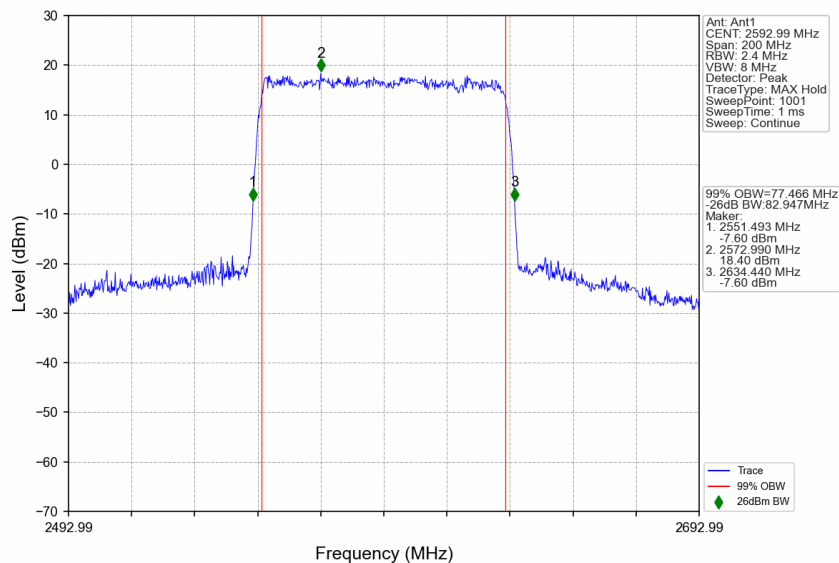
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n41\_30kHz\_SISO\_NTNV\_80MHz\_DFT-s-OFDM\_16\_QAM\_2536.02MHz\_Outer\_Full



n41\_30kHz\_SISO\_NTNV\_80MHz\_DFT-s-OFDM\_16\_QAM\_2592.99MHz\_Outer\_Full



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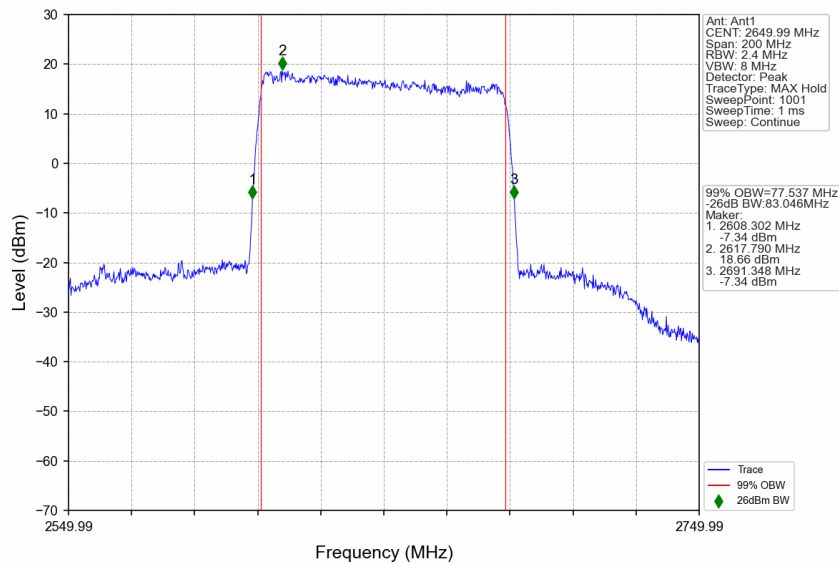
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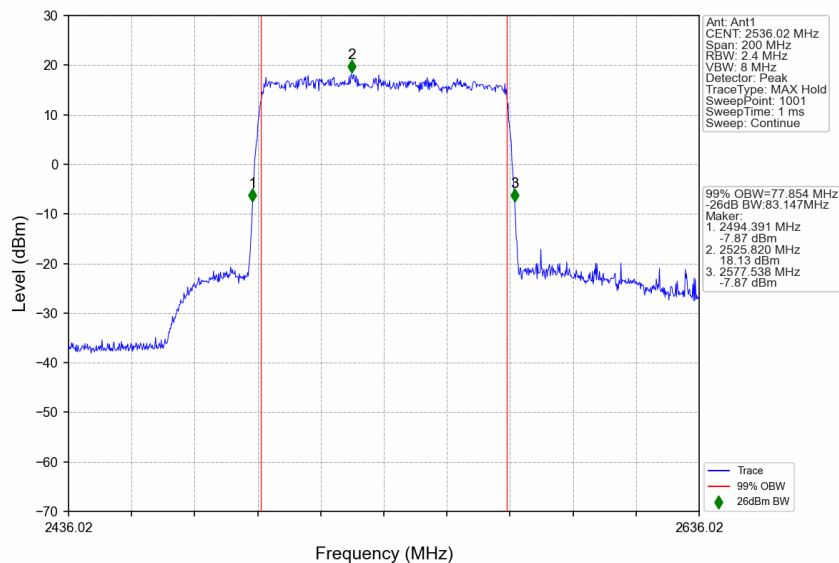
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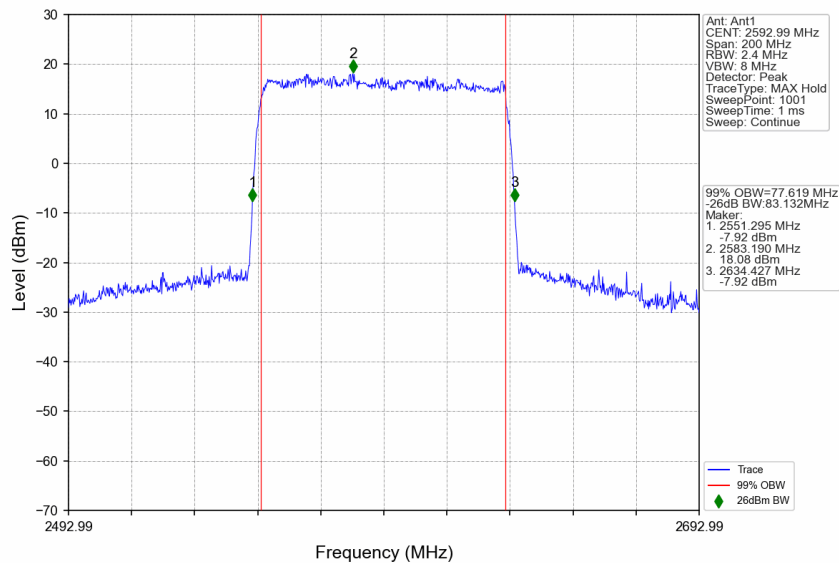
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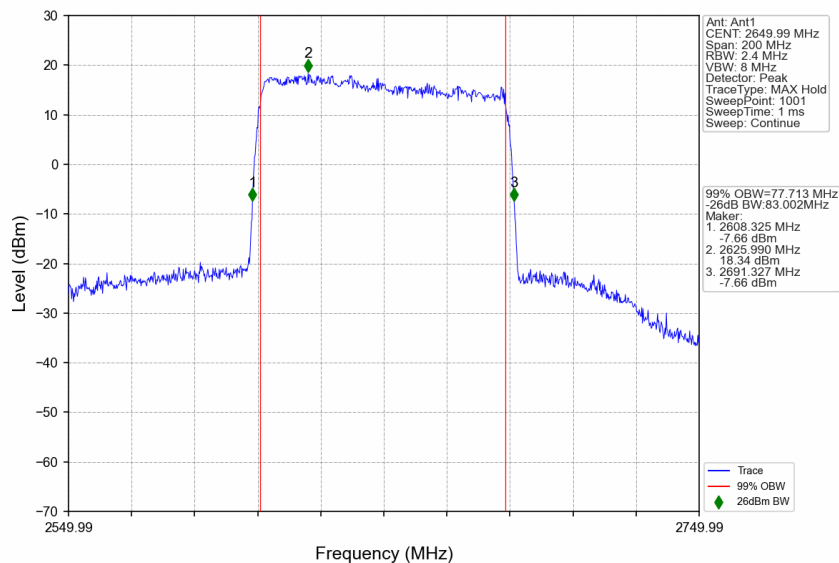
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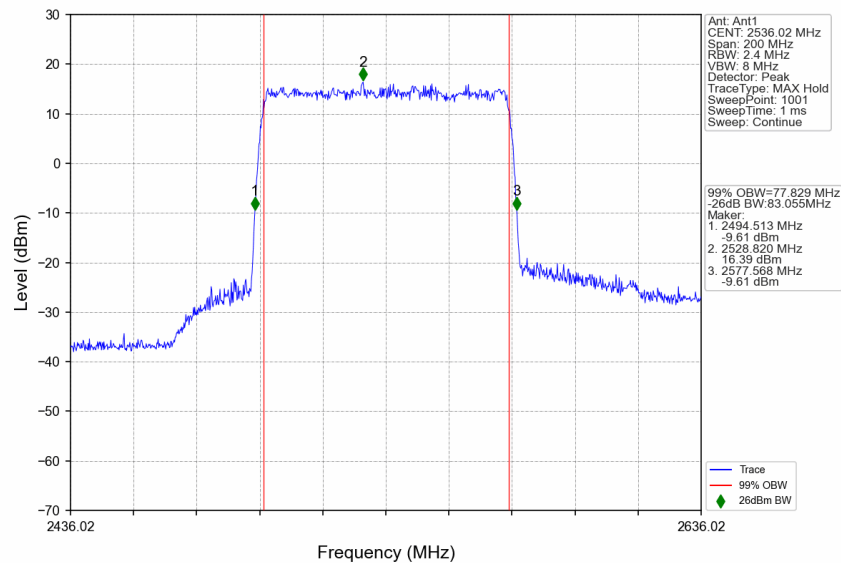
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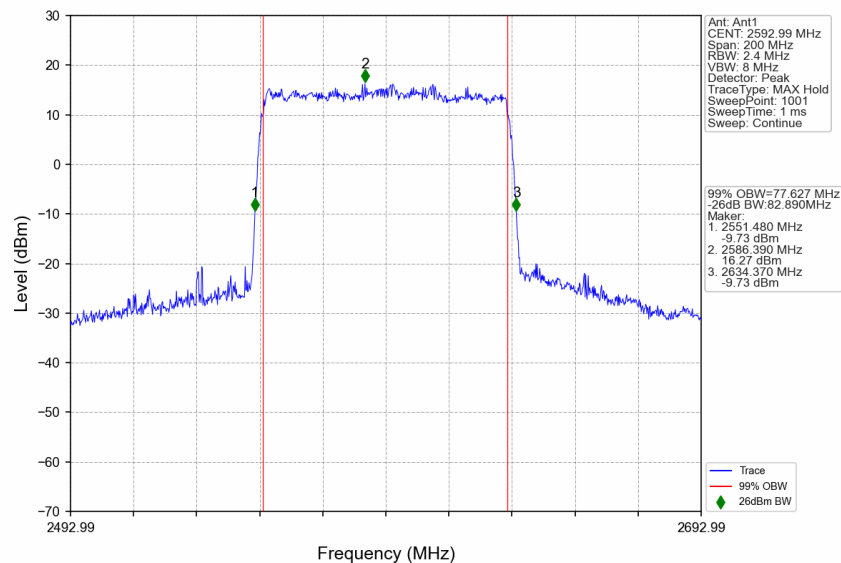
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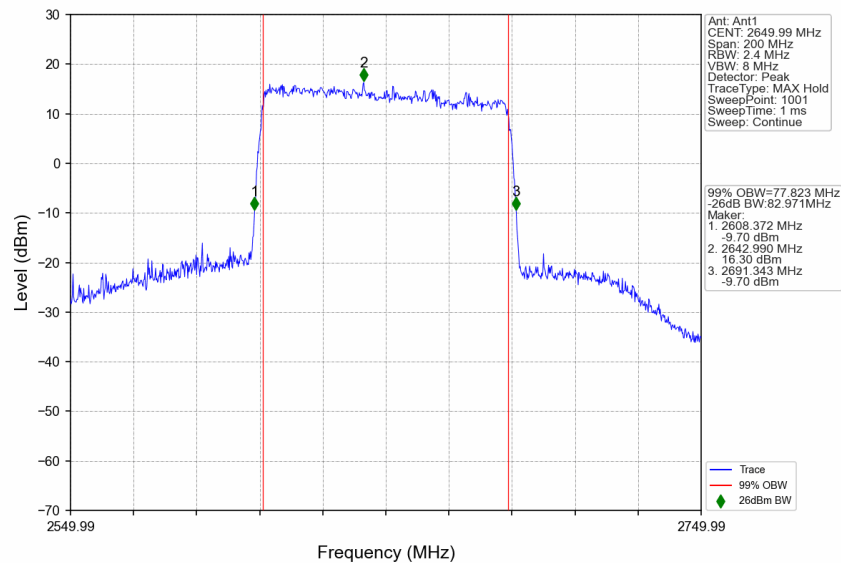
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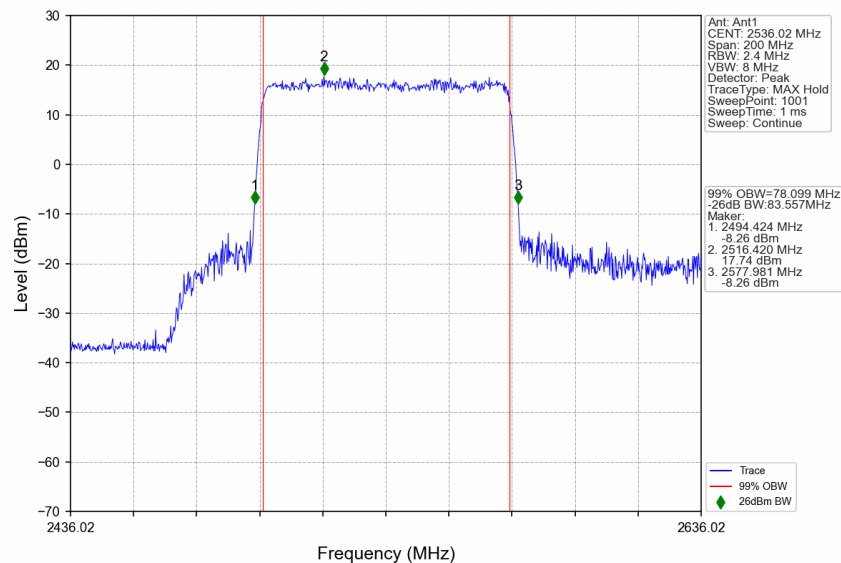
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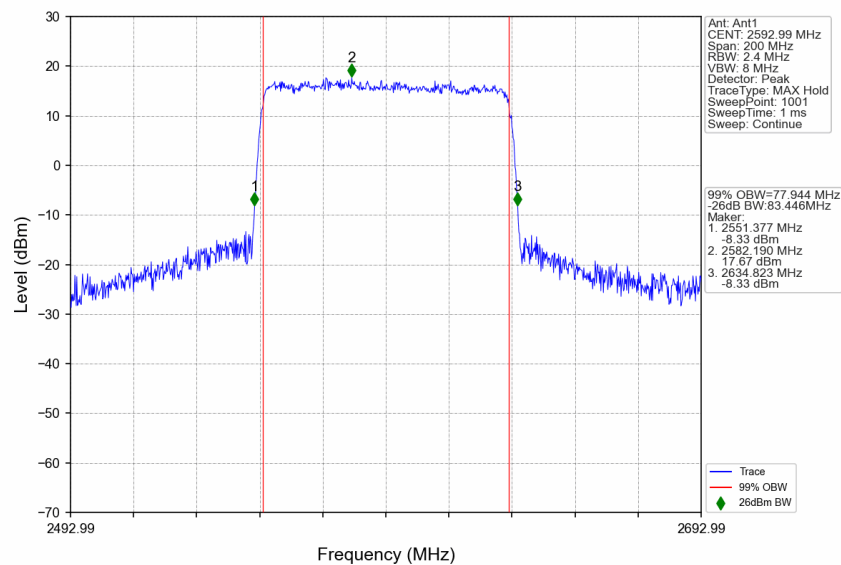
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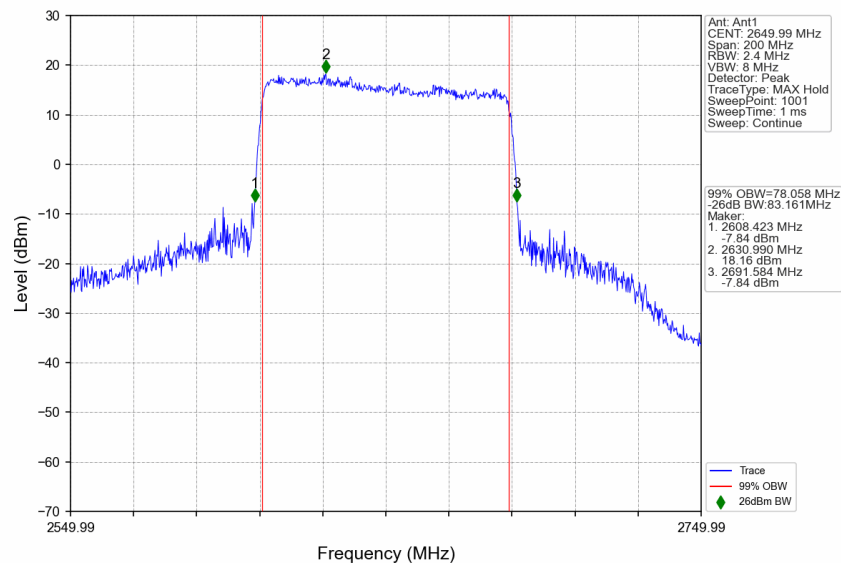
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n41\_30kHz\_SISO\_NTNV\_80MHz\_CP-OFDM QPSK\_2592.99MHz\_Outer\_Full



n41\_30kHz\_SISO\_NTNV\_80MHz\_CP-OFDM QPSK\_2649.99MHz\_Outer\_Full



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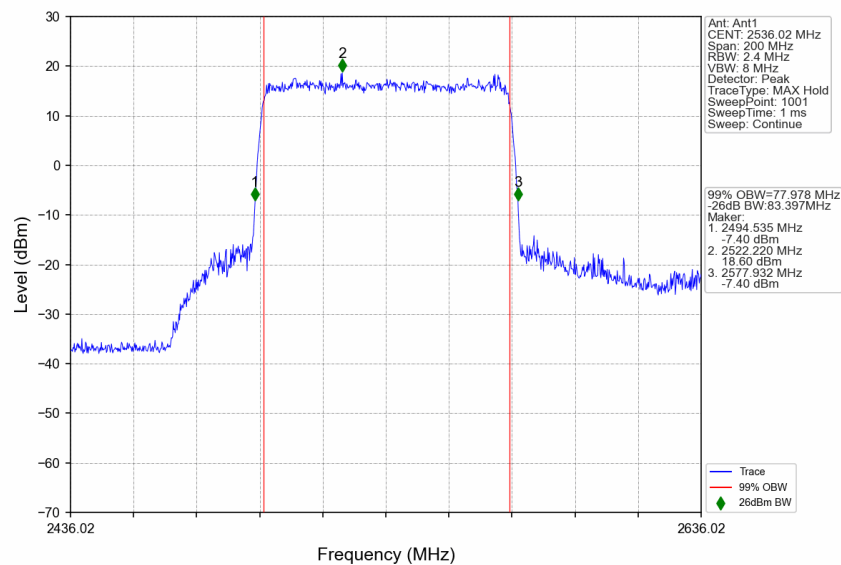
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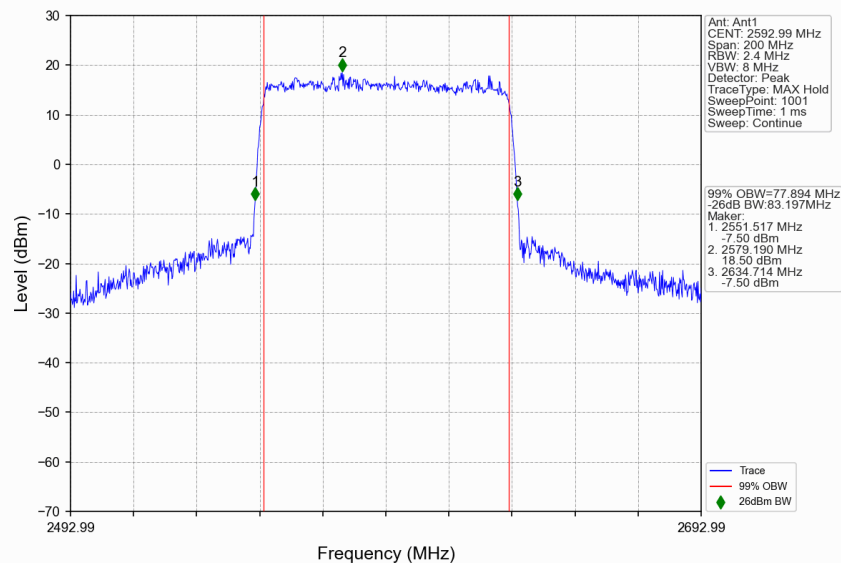
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n41\_30kHz\_SISO\_NTNV\_80MHz\_CP-OFDM\_16\_QAM\_2536.02MHz\_Outer\_Full



n41\_30kHz\_SISO\_NTNV\_80MHz\_CP-OFDM\_16\_QAM\_2592.99MHz\_Outer\_Full



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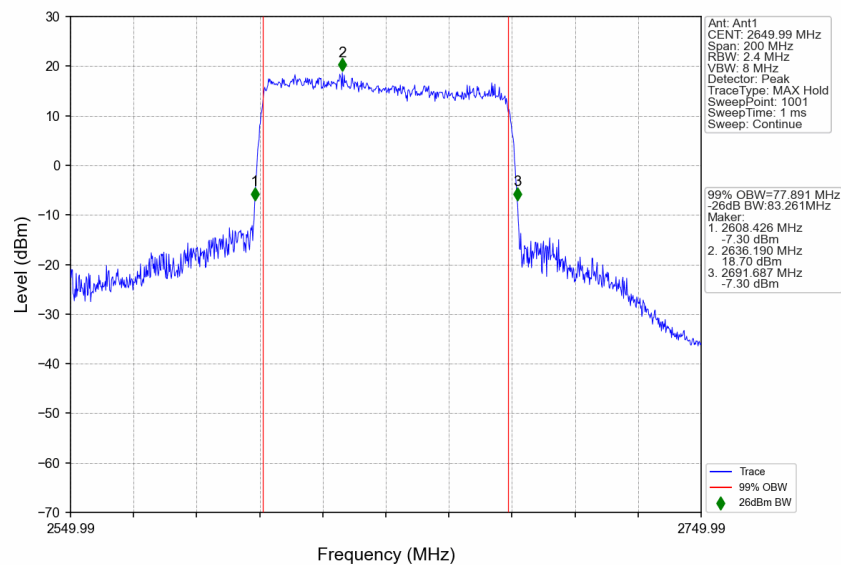
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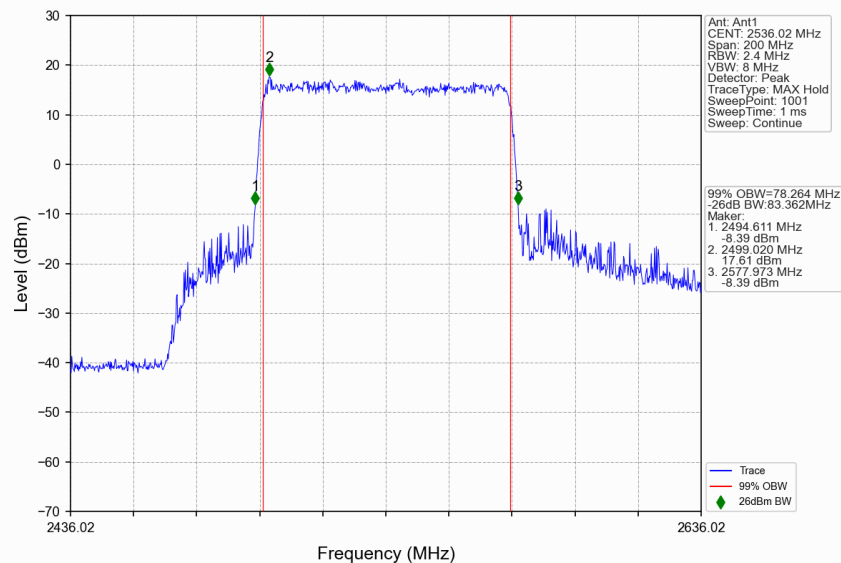
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n41\_30kHz\_SISO\_NTNV\_80MHz\_CP-OFDM 64 QAM\_2536.02MHz\_Outer\_Full



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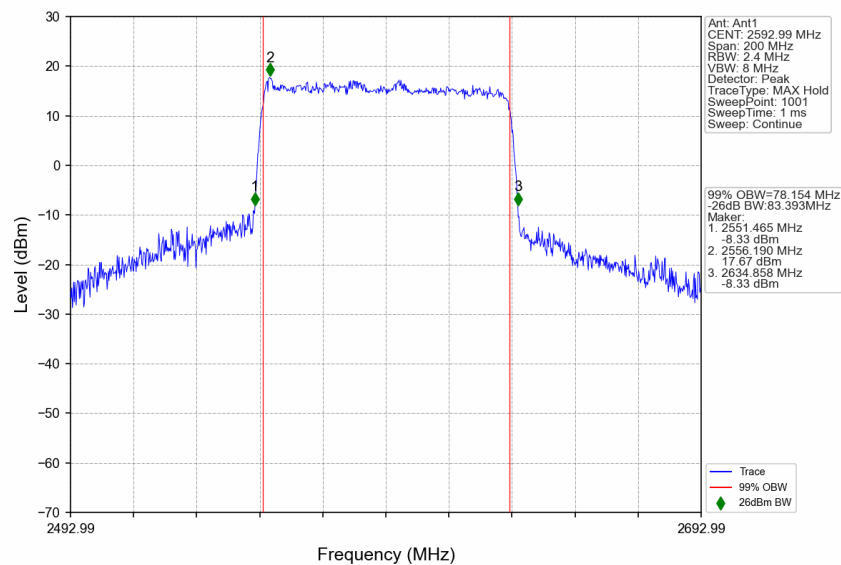
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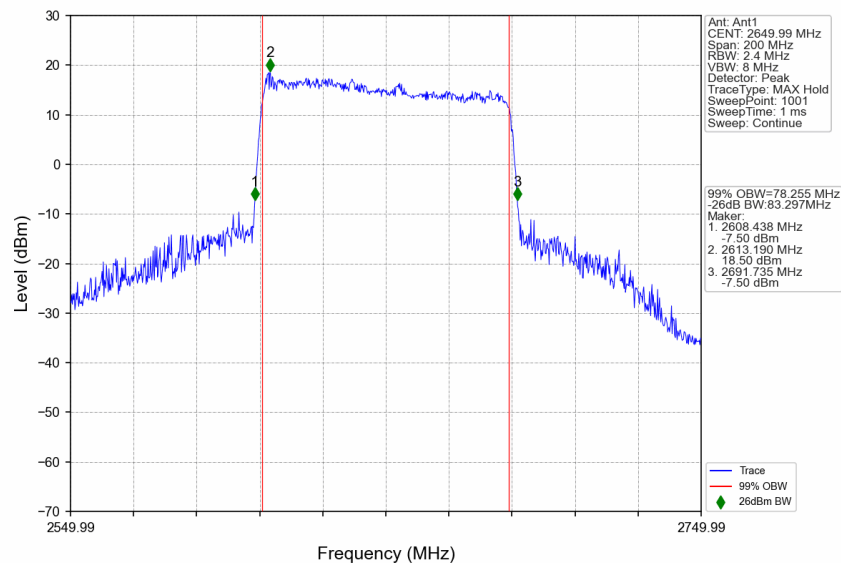
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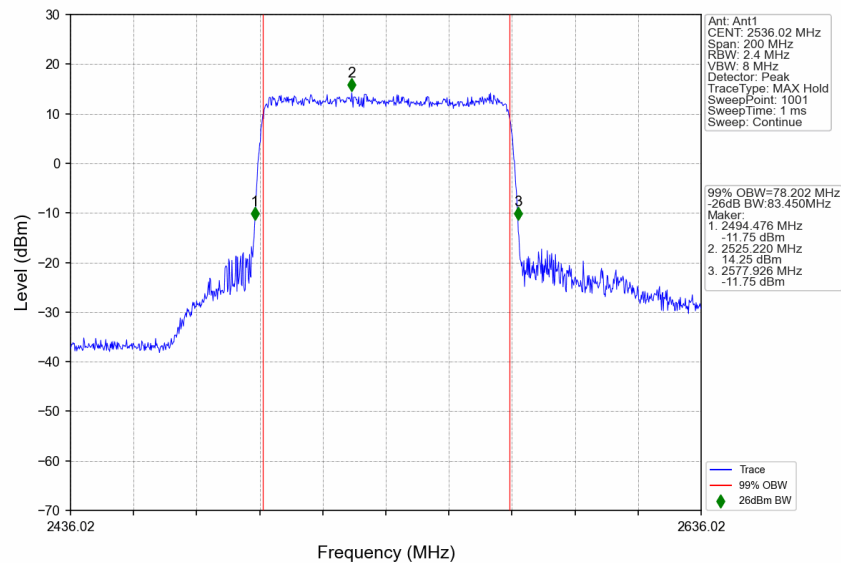
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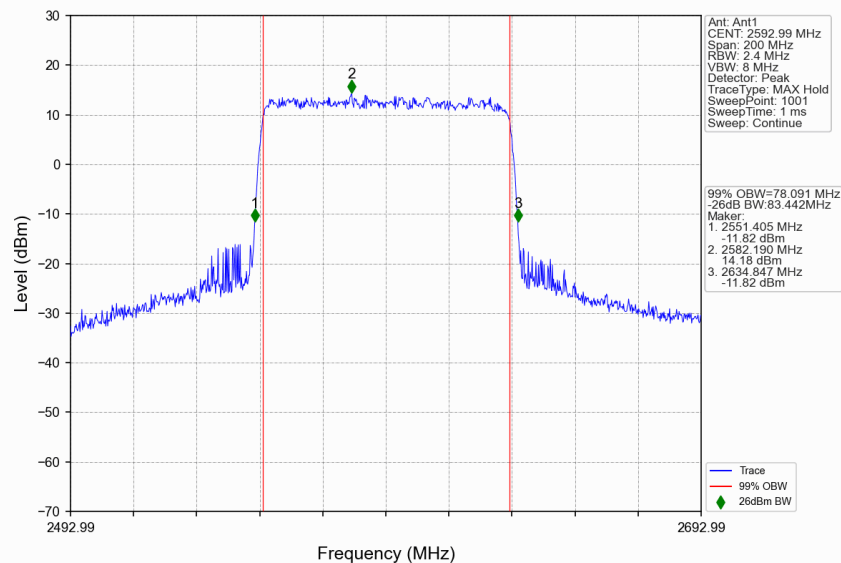
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n41\_30kHz\_SISO\_NTNV\_80MHz\_CP-OFDM\_256\_QAM\_2536.02MHz\_Outer\_Full



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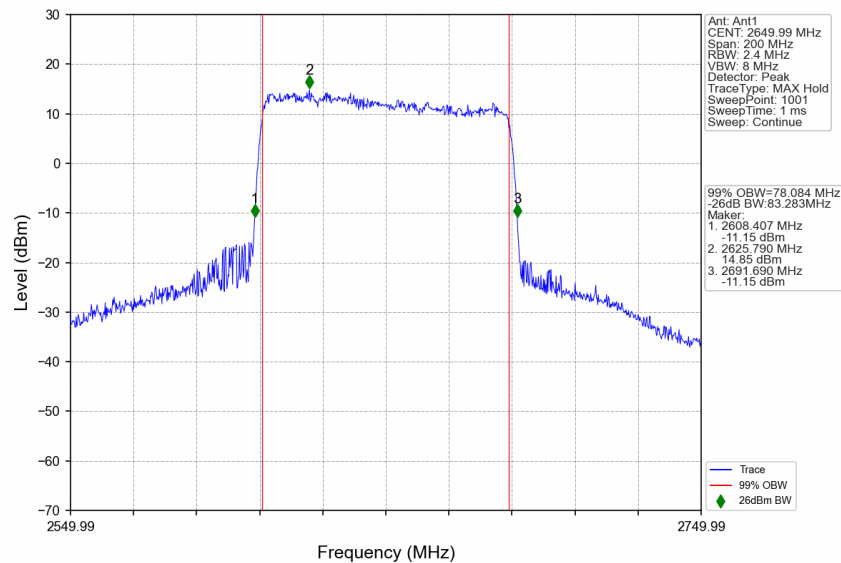
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## 4.18 30k\_SISO\_90MHz\_NTNV

### 4.18.1 Test Result

| 5G NR n41 SCS=30kHz SISO 90MHz NTV |                 |               |                     |                      |             |         |
|------------------------------------|-----------------|---------------|---------------------|----------------------|-------------|---------|
| Modulation                         | Frequency (MHz) | RB Allocation | 99% Bandwidth (MHz) | 26dB Bandwidth (MHz) | Limit (MHz) | Verdict |
| DFT-s-OFDM PI/2 BPSK               | 2541            | Outer Full    | 87.74               | 93.31                | /           | Pass    |
|                                    | 2592.99         | Outer Full    | 87.41               | 93.33                | /           | Pass    |
|                                    | 2644.98         | Outer Full    | 87.45               | 93.20                | /           | Pass    |
| DFT-s-OFDM QPSK                    | 2541            | Outer Full    | 87.32               | 93.47                | /           | Pass    |
|                                    | 2592.99         | Outer Full    | 87.20               | 93.49                | /           | Pass    |
|                                    | 2644.98         | Outer Full    | 87.23               | 93.22                | /           | Pass    |
| DFT-s-OFDM 16 QAM                  | 2541            | Outer Full    | 87.59               | 93.17                | /           | Pass    |
|                                    | 2592.99         | Outer Full    | 87.35               | 93.26                | /           | Pass    |
|                                    | 2644.98         | Outer Full    | 87.32               | 92.99                | /           | Pass    |
| DFT-s-OFDM 64 QAM                  | 2541            | Outer Full    | 87.41               | 93.41                | /           | Pass    |
|                                    | 2592.99         | Outer Full    | 87.27               | 93.25                | /           | Pass    |
|                                    | 2644.98         | Outer Full    | 87.37               | 93.11                | /           | Pass    |
| DFT-s-OFDM 256 QAM                 | 2541            | Outer Full    | 87.66               | 93.20                | /           | Pass    |
|                                    | 2592.99         | Outer Full    | 87.54               | 93.09                | /           | Pass    |
|                                    | 2644.98         | Outer Full    | 87.51               | 93.21                | /           | Pass    |
| CP-OFDM QPSK                       | 2541            | Outer Full    | 88.39               | 94.24                | /           | Pass    |
|                                    | 2592.99         | Outer Full    | 88.18               | 94.10                | /           | Pass    |
|                                    | 2644.98         | Outer Full    | 88.17               | 94.22                | /           | Pass    |
| CP-OFDM 16 QAM                     | 2541            | Outer Full    | 88.23               | 93.93                | /           | Pass    |
|                                    | 2592.99         | Outer Full    | 88.09               | 93.92                | /           | Pass    |
|                                    | 2644.98         | Outer Full    | 88.22               | 93.80                | /           | Pass    |
| CP-OFDM 64 QAM                     | 2541            | Outer Full    | 88.18               | 94.09                | /           | Pass    |
|                                    | 2592.99         | Outer Full    | 87.97               | 93.96                | /           | Pass    |
|                                    | 2644.98         | Outer Full    | 88.05               | 93.92                | /           | Pass    |
| CP-OFDM 256 QAM                    | 2541            | Outer Full    | 88.09               | 93.97                | /           | Pass    |
|                                    | 2592.99         | Outer Full    | 87.88               | 94.04                | /           | Pass    |
|                                    | 2644.98         | Outer Full    | 87.94               | 93.89                | /           | Pass    |



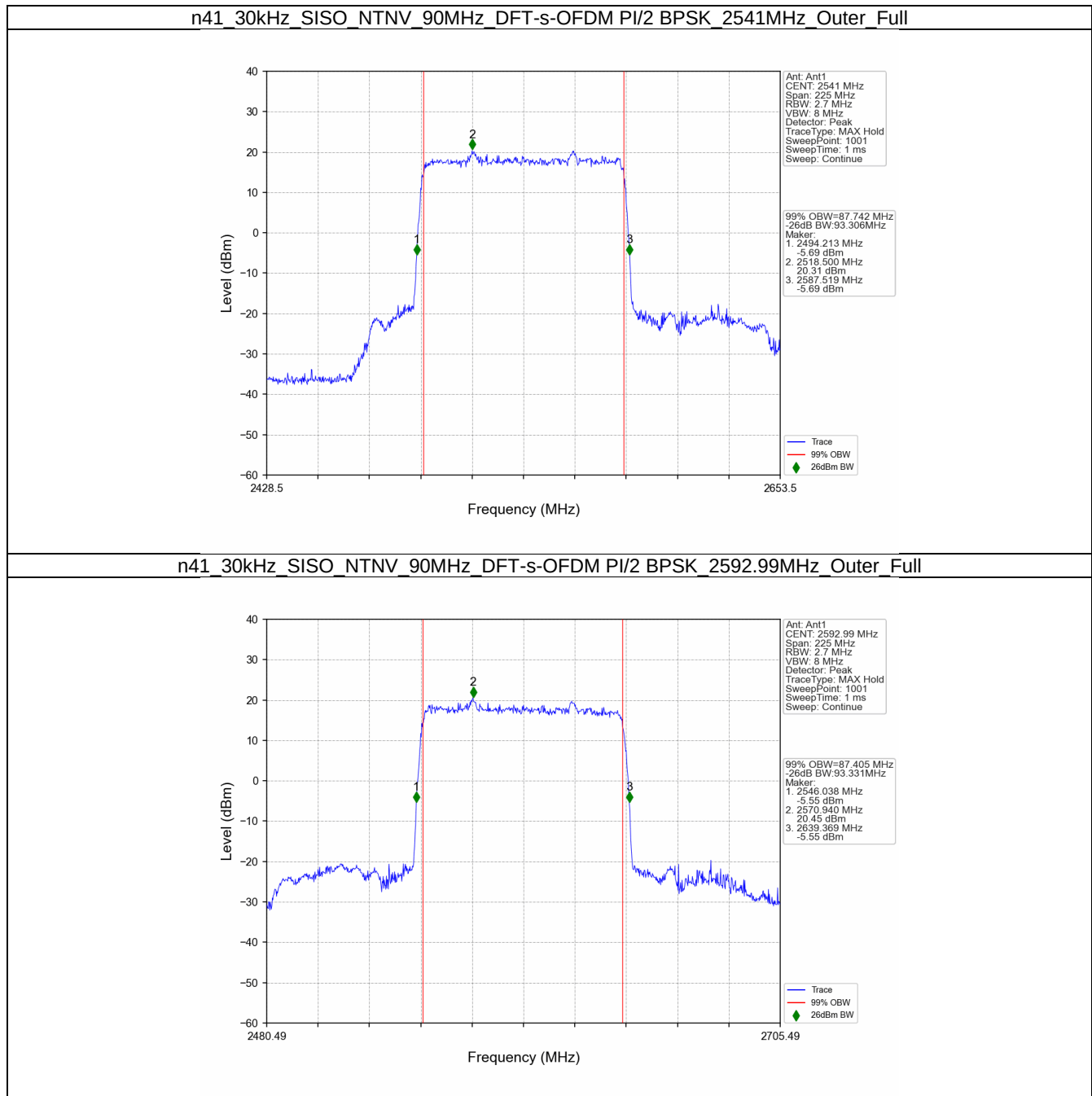
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### 4.18.2 Test Graph



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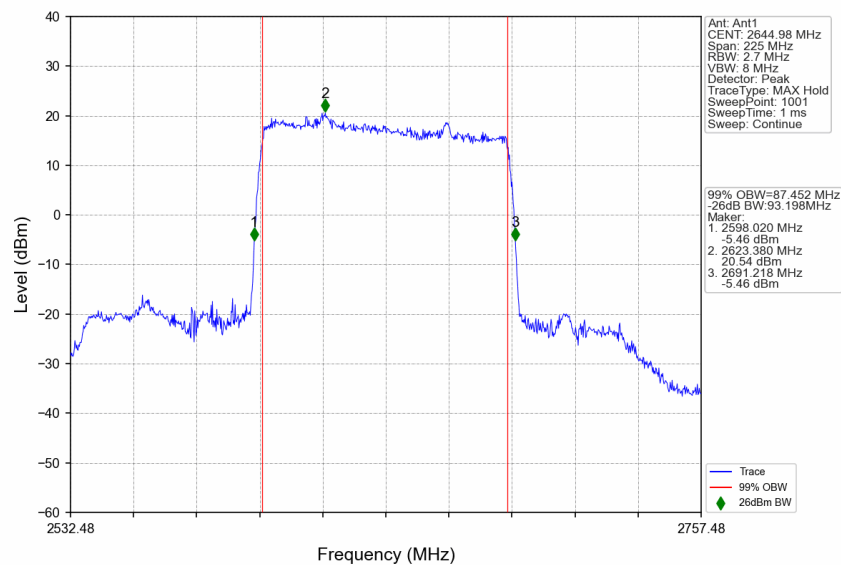
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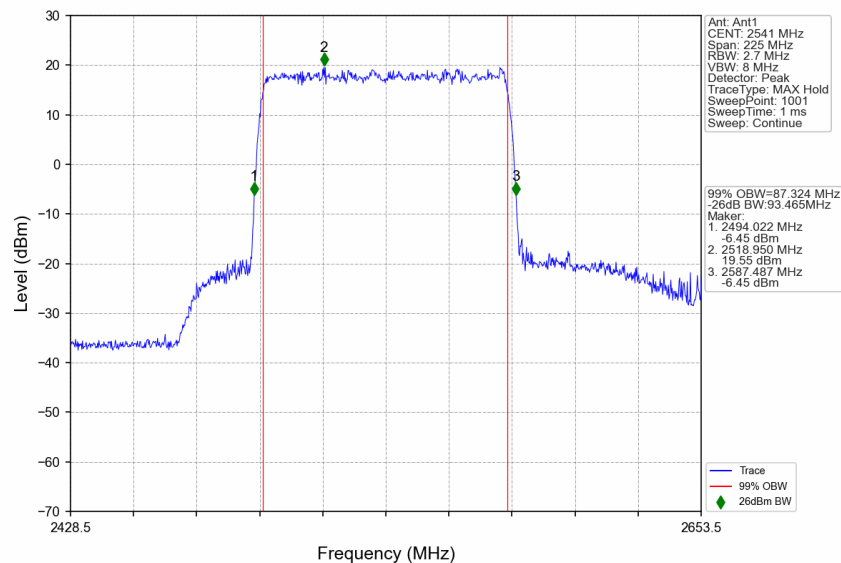
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n41\_30kHz\_SISO\_NTNV\_90MHz\_DFT-s-OFDM PI/2 BPSK\_2644.98MHz\_Outer\_Full



n41\_30kHz\_SISO\_NTNV\_90MHz\_DFT-s-OFDM QPSK\_2541MHz\_Outer\_Full



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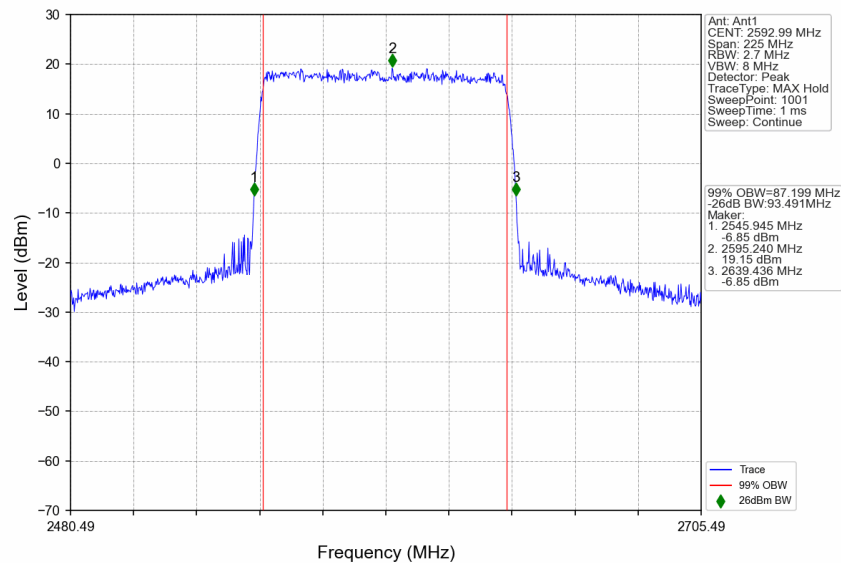
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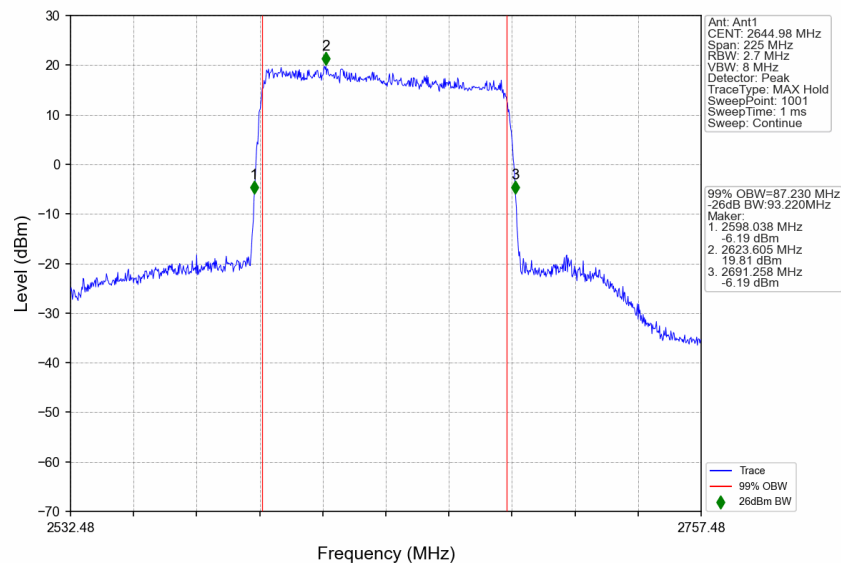
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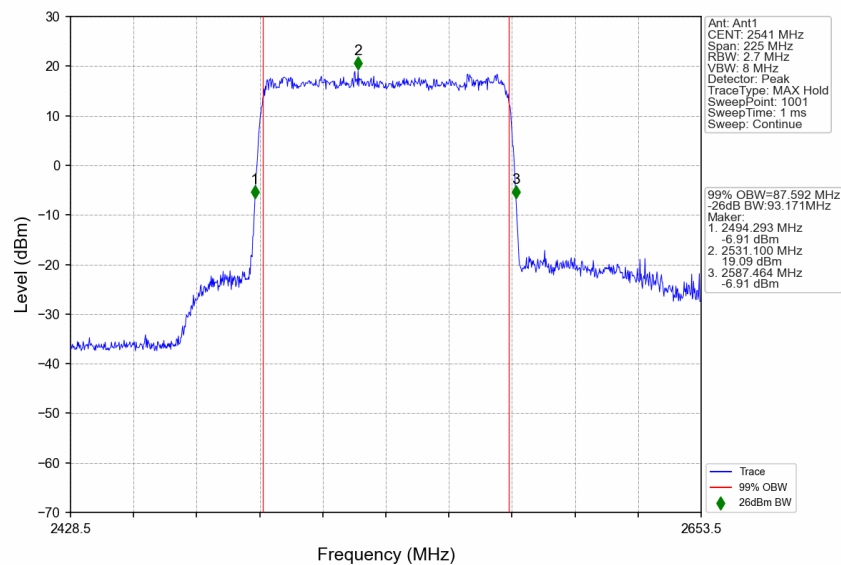
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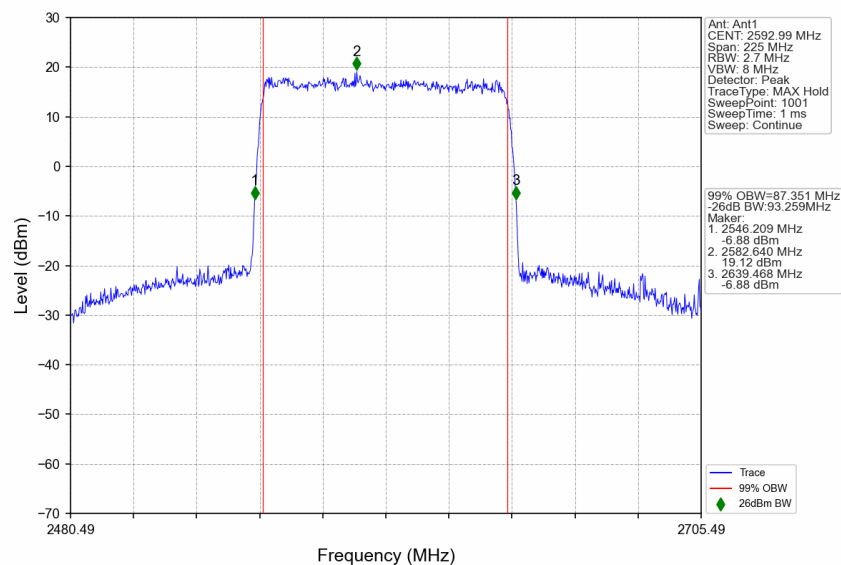
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n41\_30kHz\_SISO\_NTNV\_90MHz\_DFT-s-OFDM\_16\_QAM\_2541MHz\_Outer\_Full



n41\_30kHz\_SISO\_NTNV\_90MHz\_DFT-s-OFDM\_16\_QAM\_2592.99MHz\_Outer\_Full



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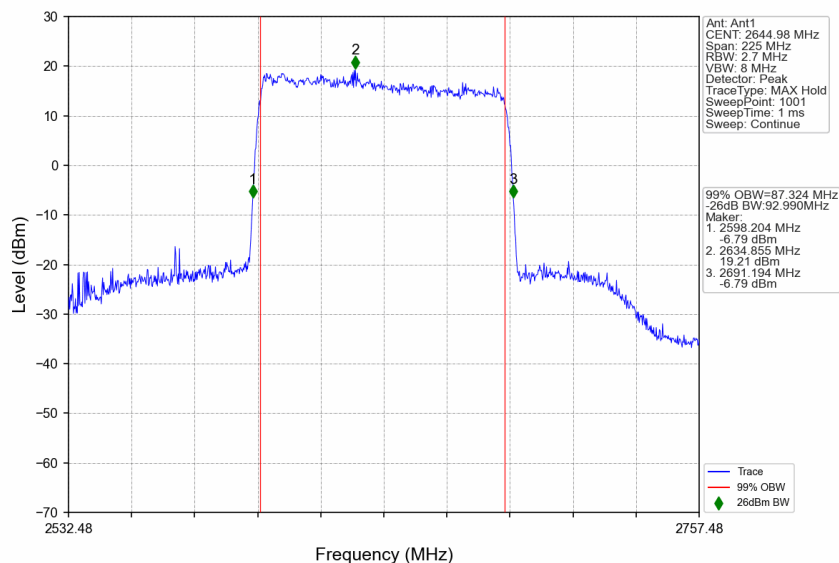
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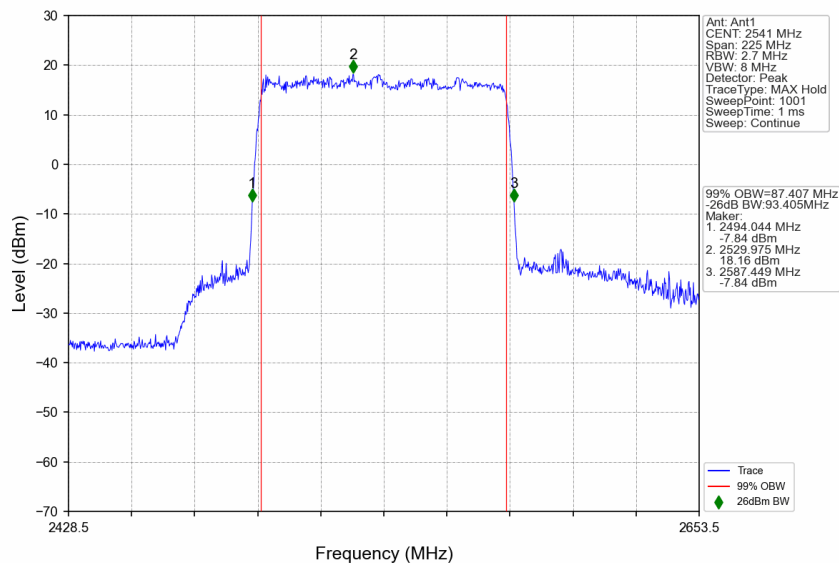
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n41\_30kHz\_SISO\_NTNV\_90MHz\_DFT-s-OFDM 16 QAM\_2644.98MHz\_Outer\_Full



n41\_30kHz\_SISO\_NTNV\_90MHz\_DFT-s-OFDM 64 QAM\_2541MHz\_Outer\_Full



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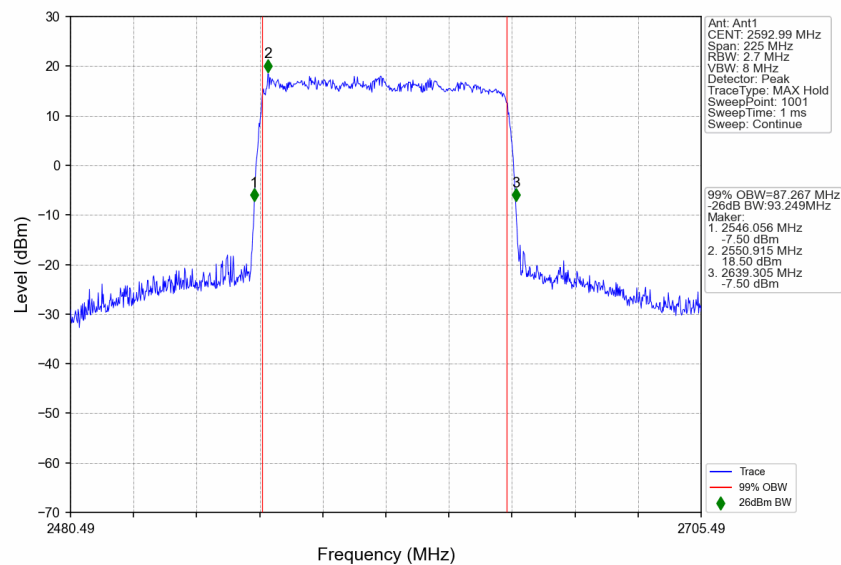
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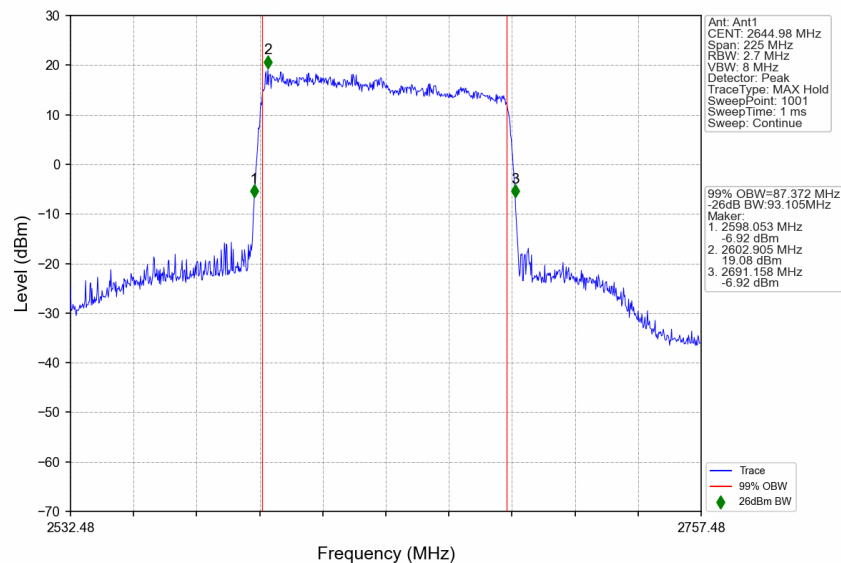
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n41\_30kHz\_SISO\_NTNV\_90MHz\_DFT-s-OFDM\_64\_QAM\_2592.99MHz\_Outer\_Full



n41\_30kHz\_SISO\_NTNV\_90MHz\_DFT-s-OFDM\_64\_QAM\_2644.98MHz\_Outer\_Full



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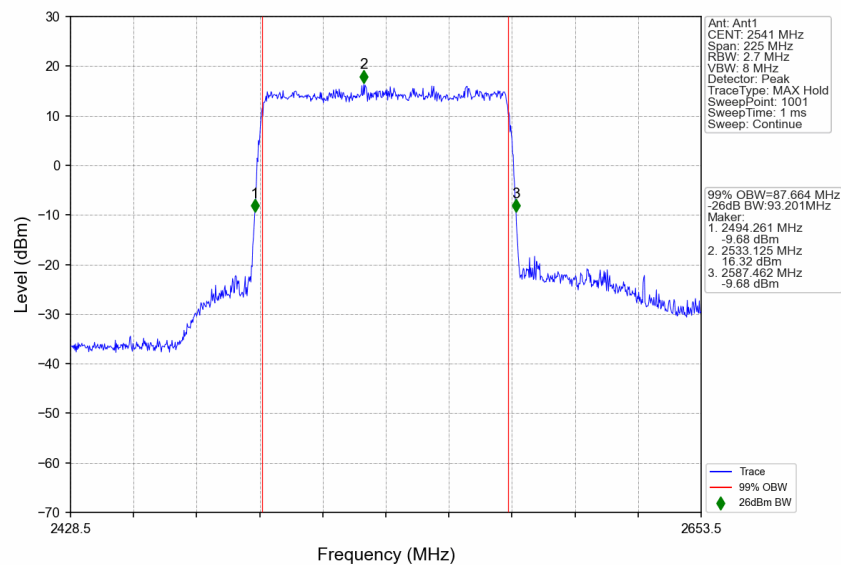
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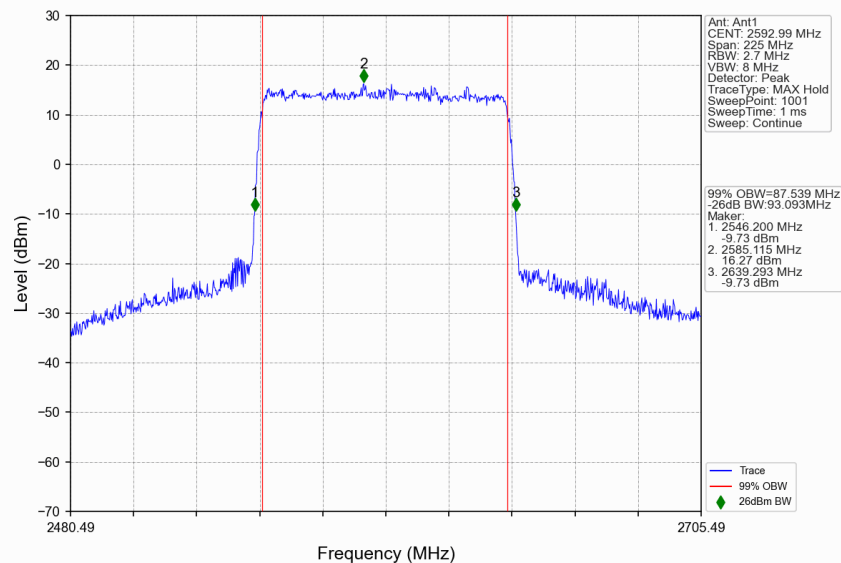
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n41\_30kHz\_SISO\_NTNV\_90MHz\_DFT-s-OFDM\_256\_QAM\_2541MHz\_Outer\_Full



n41\_30kHz\_SISO\_NTNV\_90MHz\_DFT-s-OFDM\_256\_QAM\_2592.99MHz\_Outer\_Full



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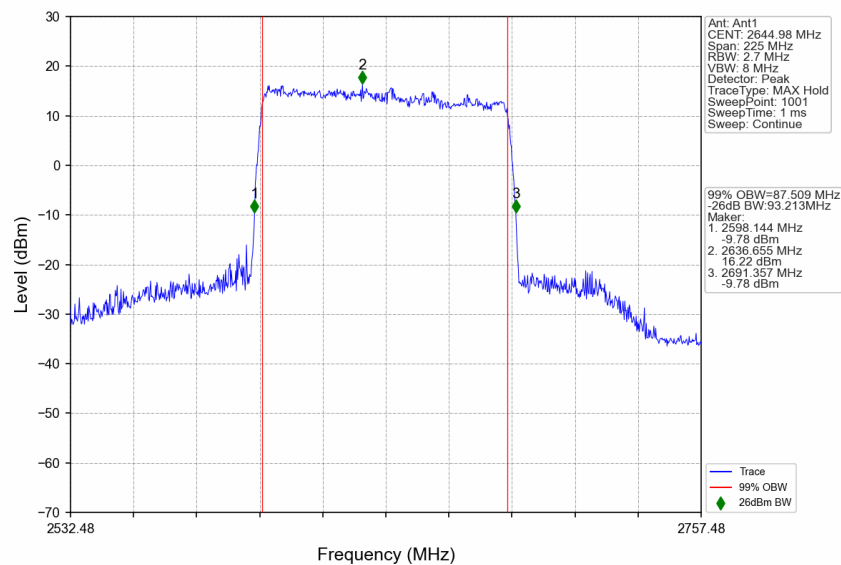
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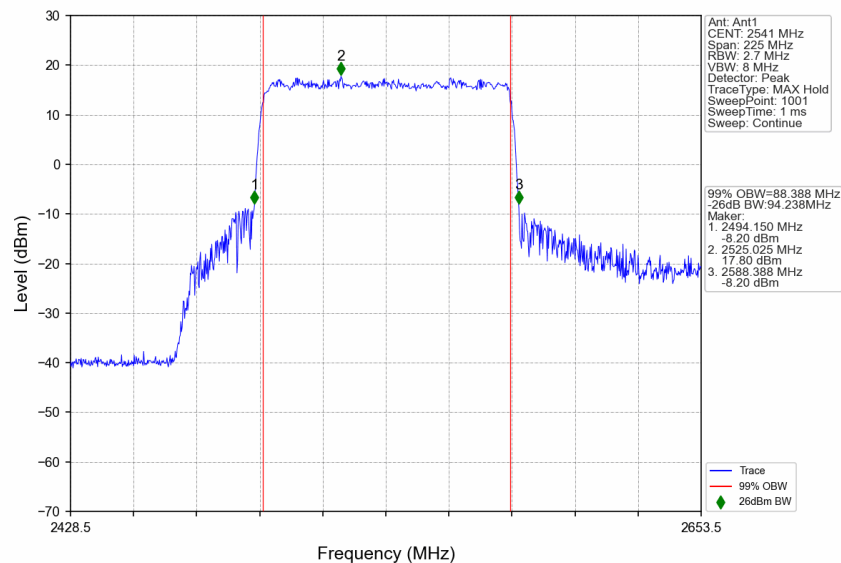
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n41\_30kHz\_SISO\_NTNV\_90MHz\_DFT-s-OFDM 256 QAM\_2644.98MHz\_Outer\_Full



n41\_30kHz\_SISO\_NTNV\_90MHz\_CP-OFDM QPSK\_2541MHz\_Outer\_Full



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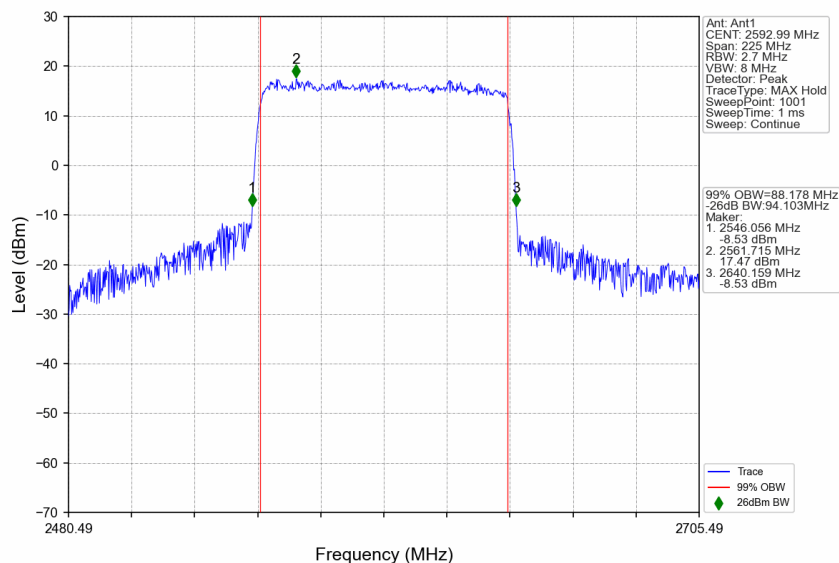
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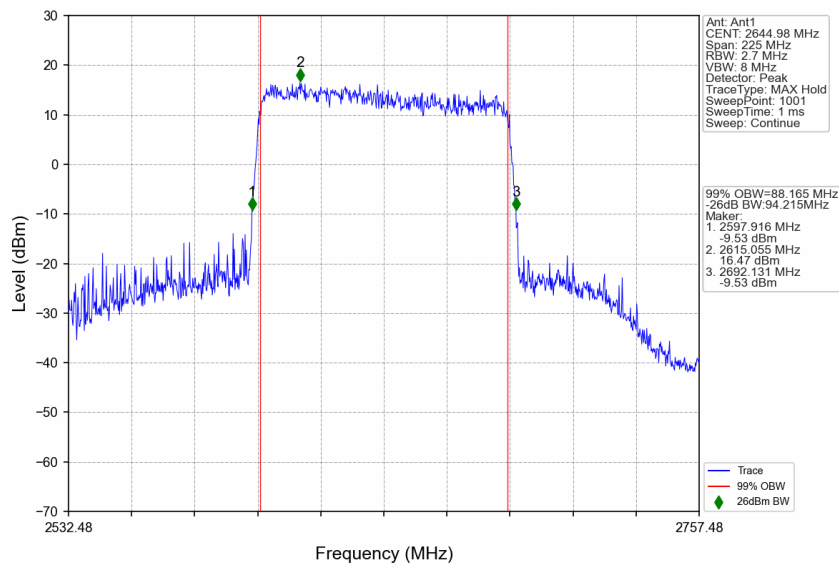
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n41\_30kHz\_SISO\_NTNV\_90MHz\_CP-OFDM QPSK\_2592.99MHz\_Outer\_Full



n41\_30kHz\_SISO\_NTNV\_90MHz\_CP-OFDM QPSK\_2644.98MHz\_Outer\_Full



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