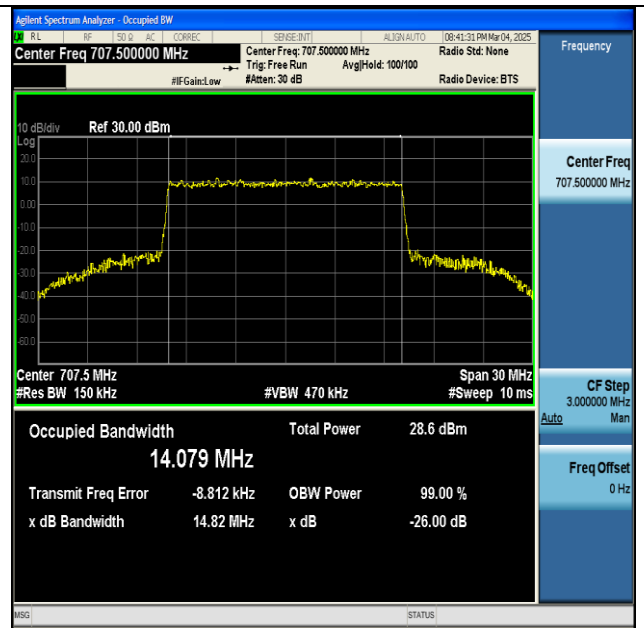




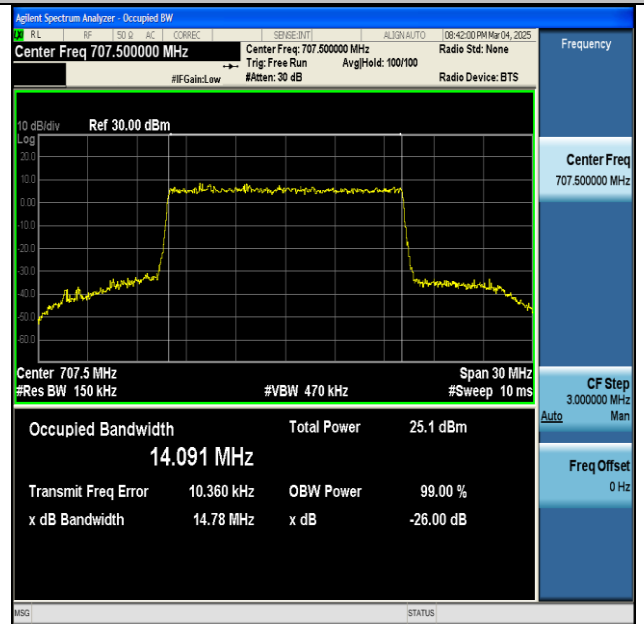
NTNV-n12-PC3-15-15-M-CP-QPSK-Outer\_Full-Ant1-PASS



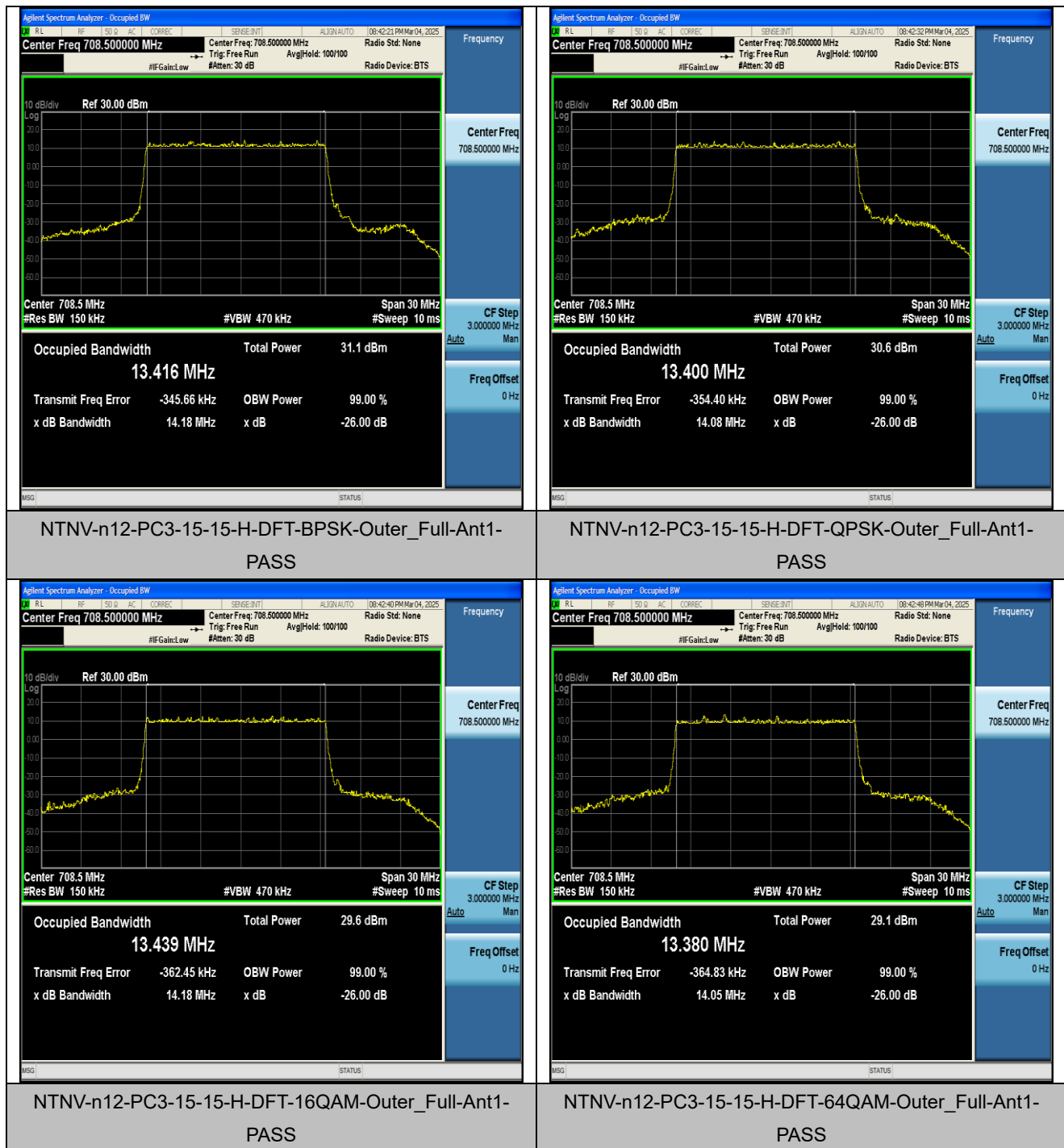
NTNV-n12-PC3-15-15-M-CP-16QAM-Outer\_Full-Ant1-PASS



NTNV-n12-PC3-15-15-M-CP-64QAM-Outer\_Full-Ant1-PASS

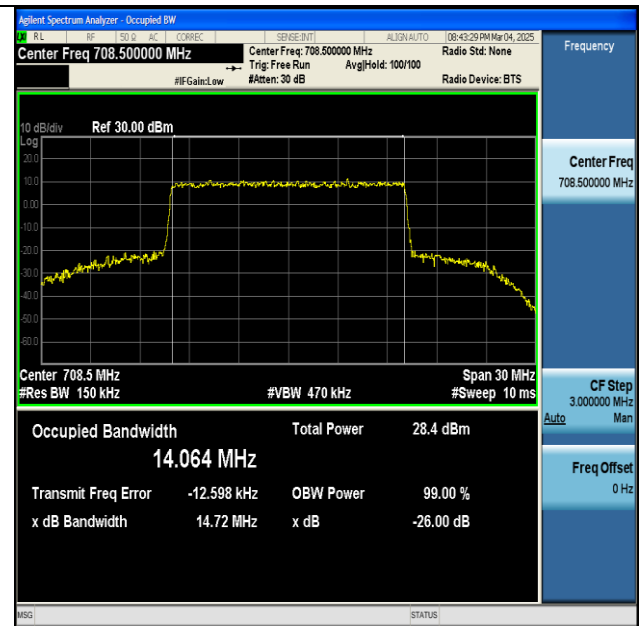


NTNV-n12-PC3-15-15-M-CP-256QAM-Outer\_Full-Ant1-PASS





NTNV-n12-PC3-15-15-H-DFT-256QAM-Outer\_Full-Ant1-PASS



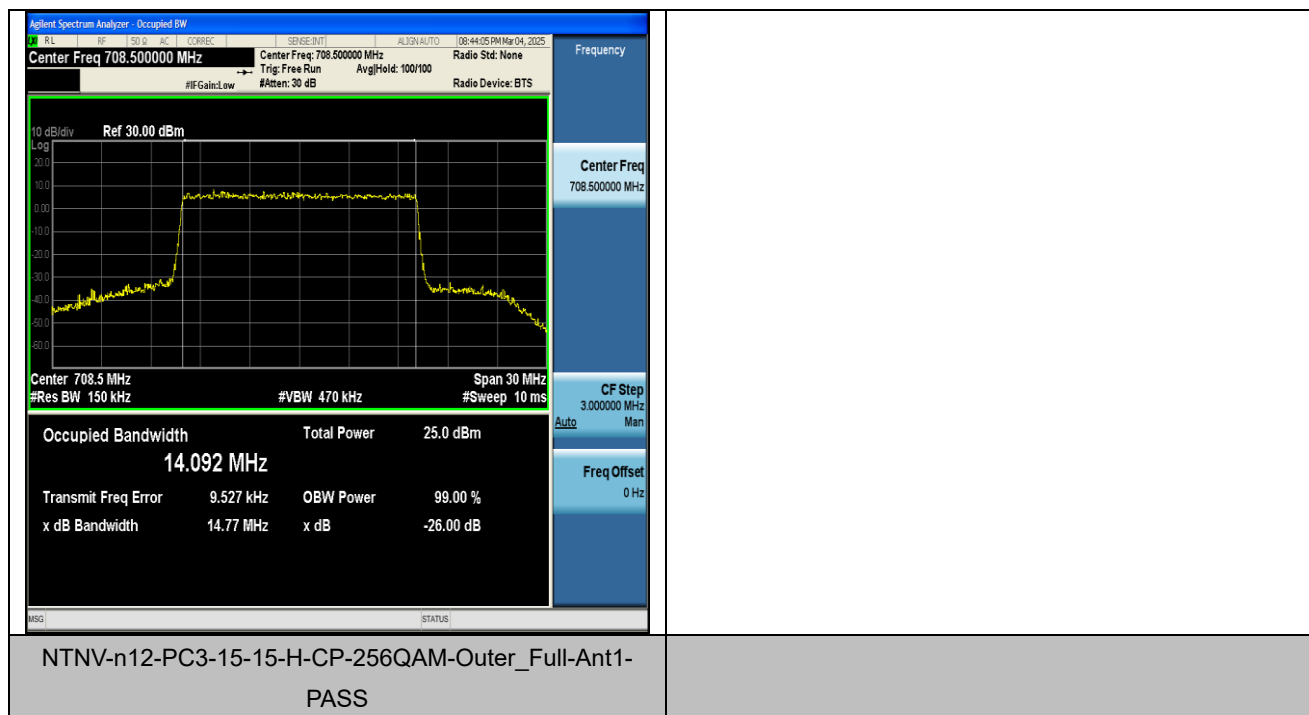
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NTNV-n12-PC3-15-15-H-CP-16QAM-Outer\_Full-Ant1-PASS

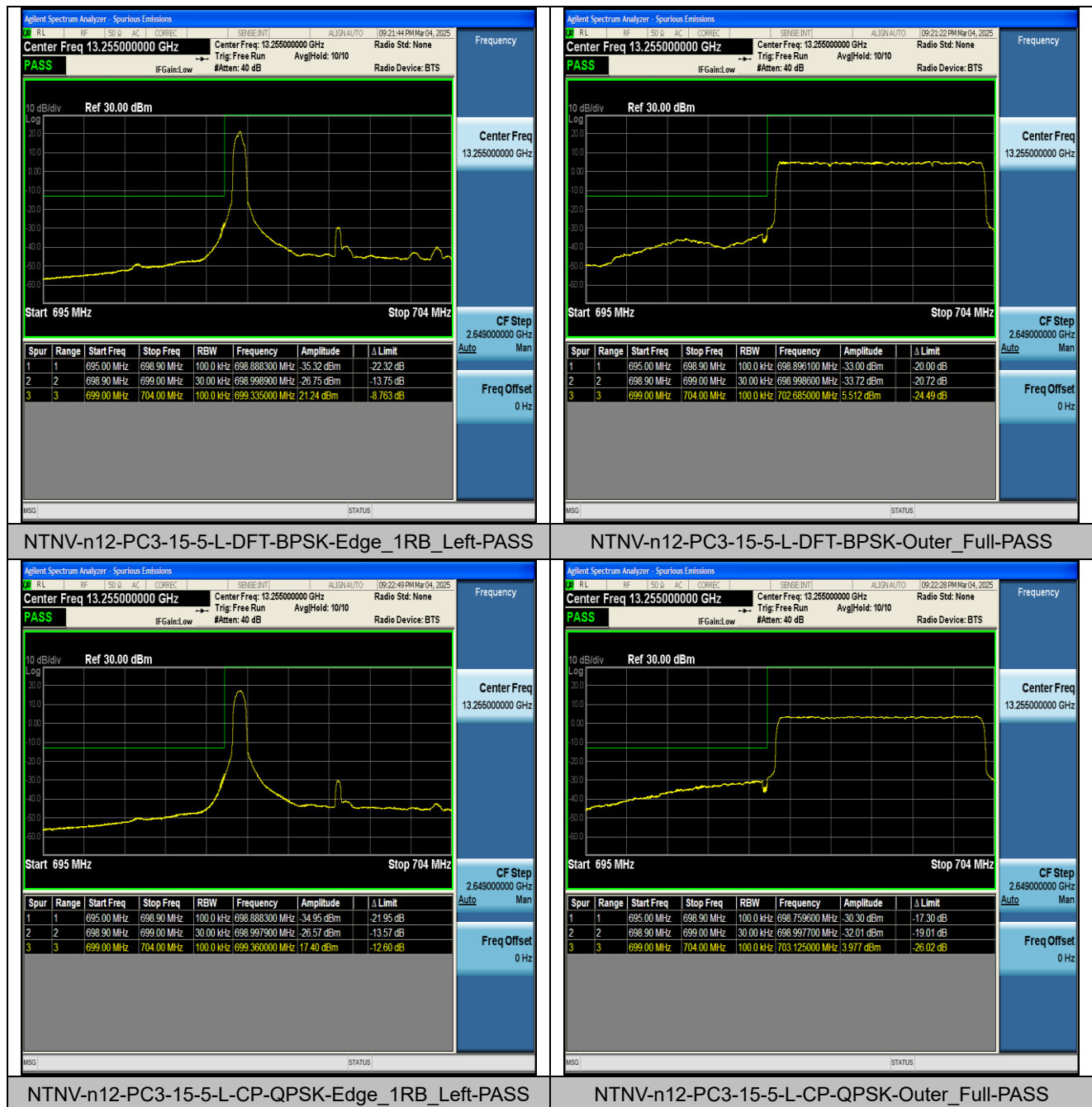


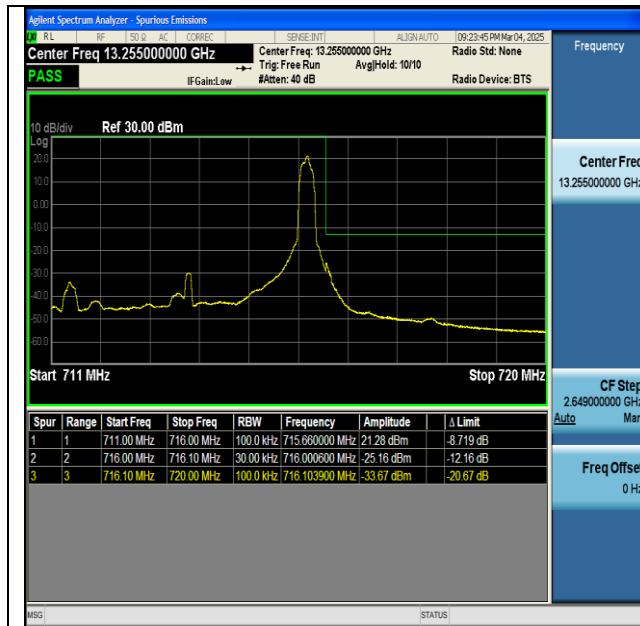
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## Band Edge for SA

## Test Graphs

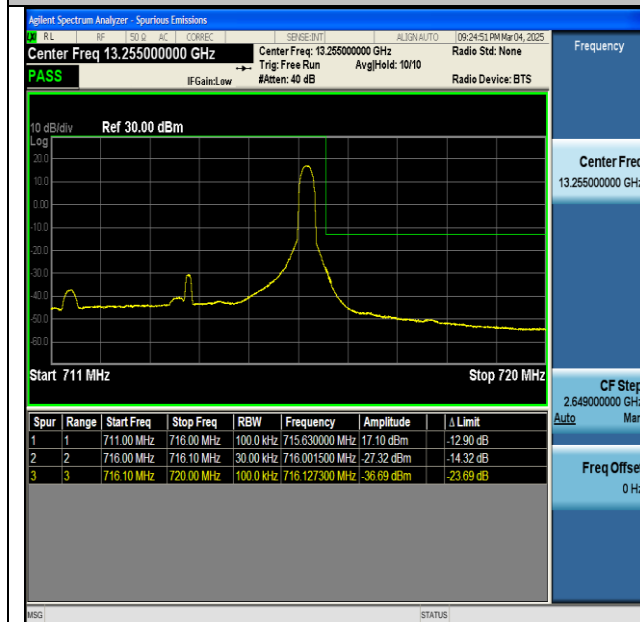




NTNV-n12-PC3-15-5-H-DFT-BPSK-Edge\_1RB\_Right-PASS



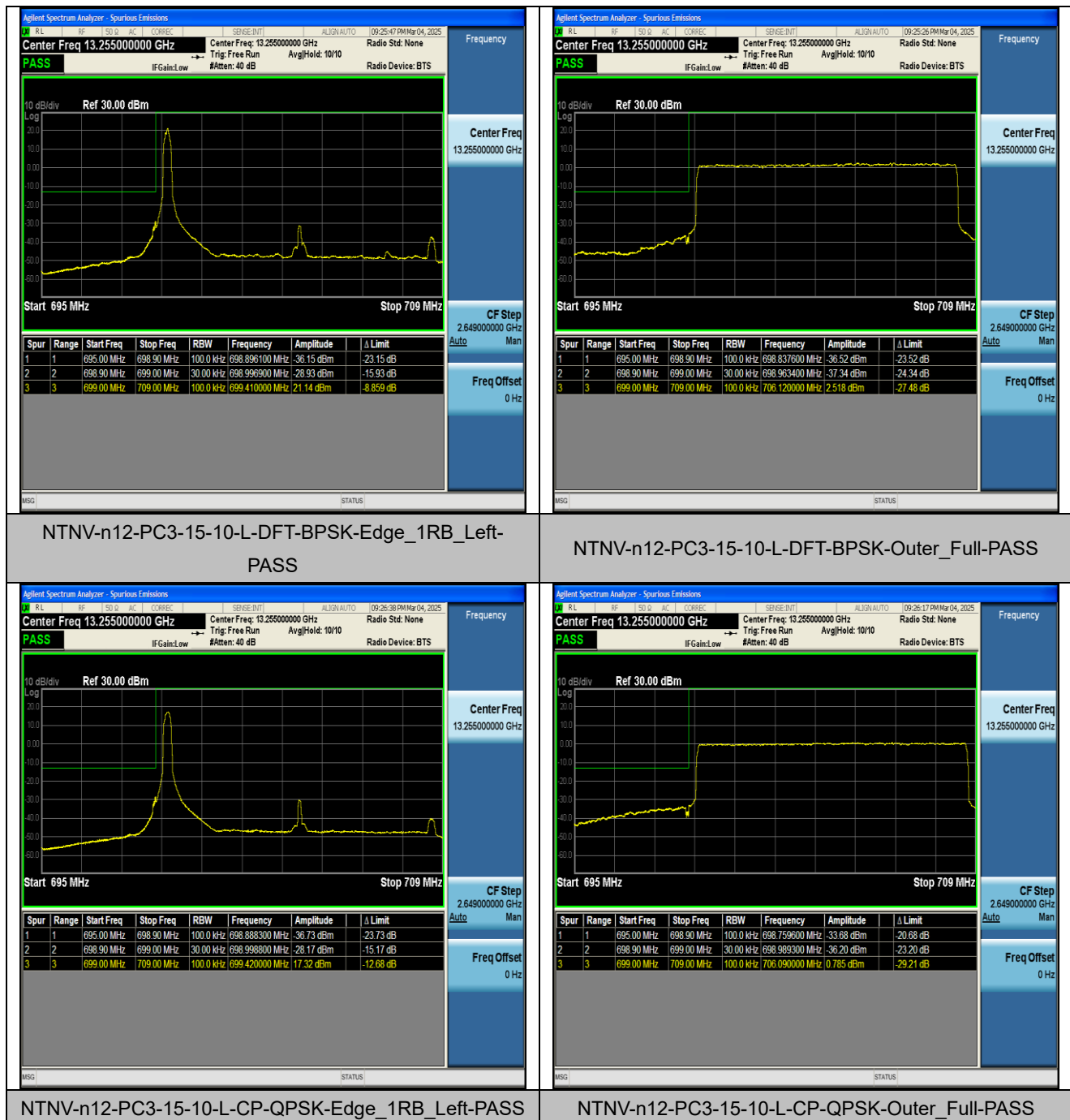
NTNV-n12-PC3-15-5-H-DFT-BPSK-Outer\_Full-PASS

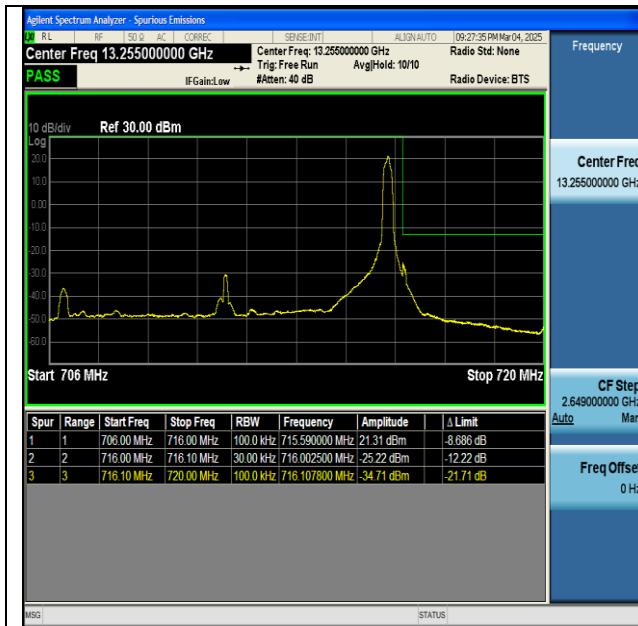


NTNV-n12-PC3-15-5-H-CP-QPSK-Edge\_1RB\_Right-PASS

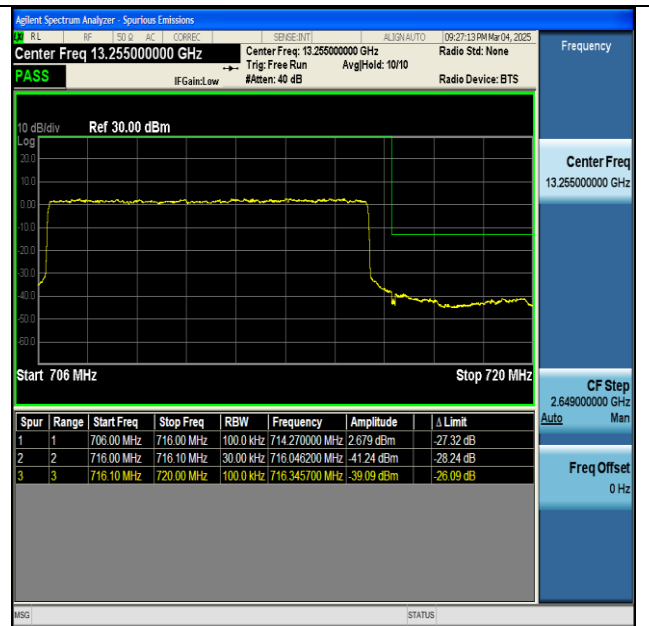


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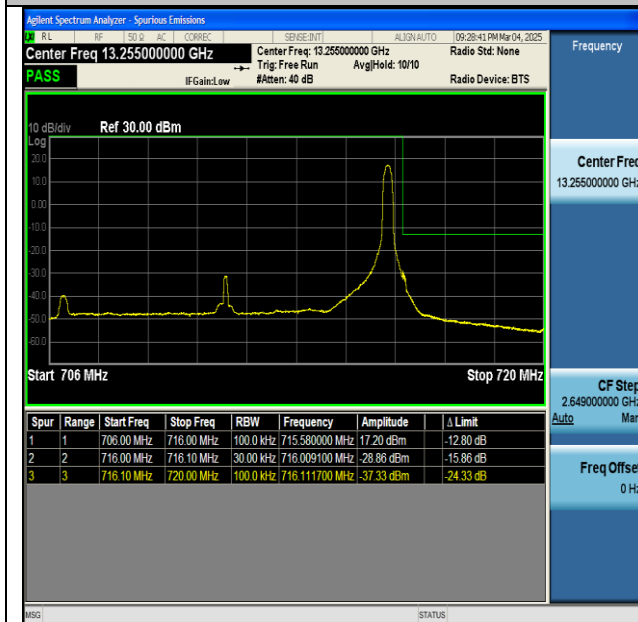




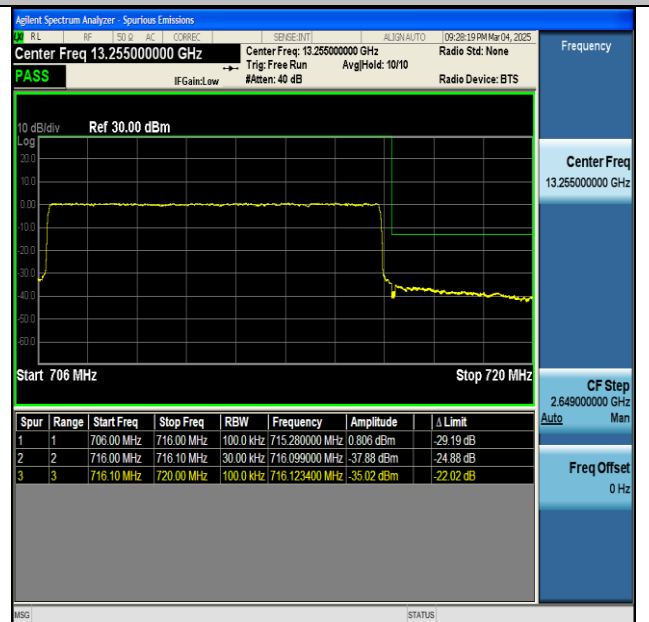
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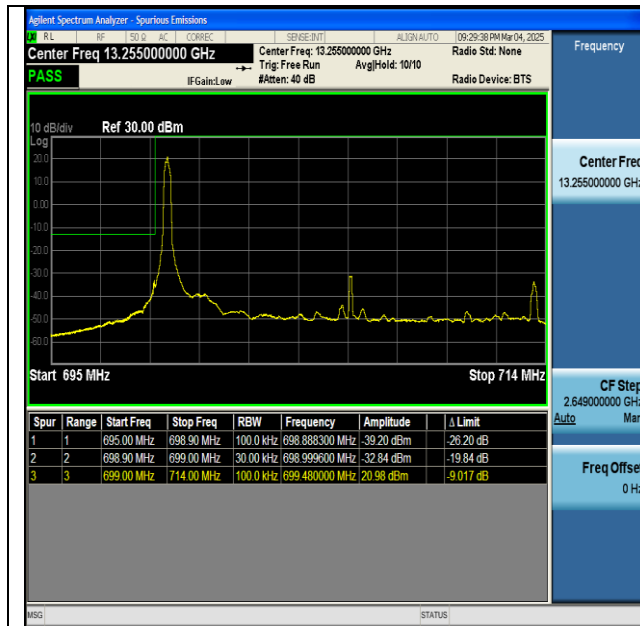


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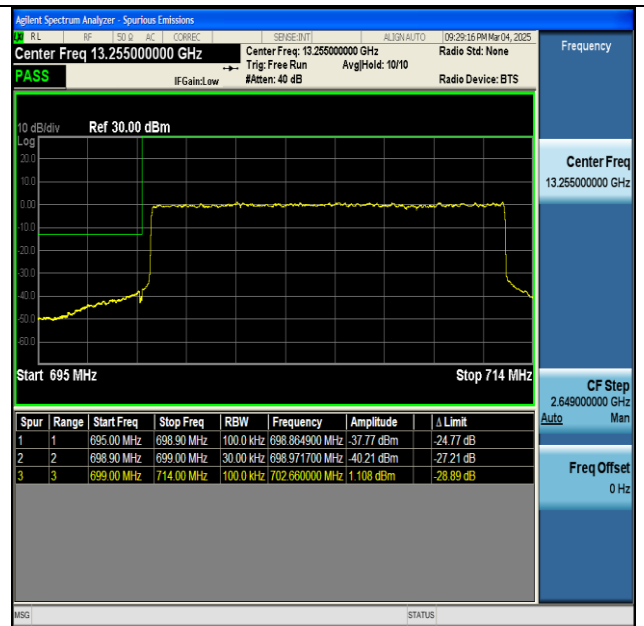


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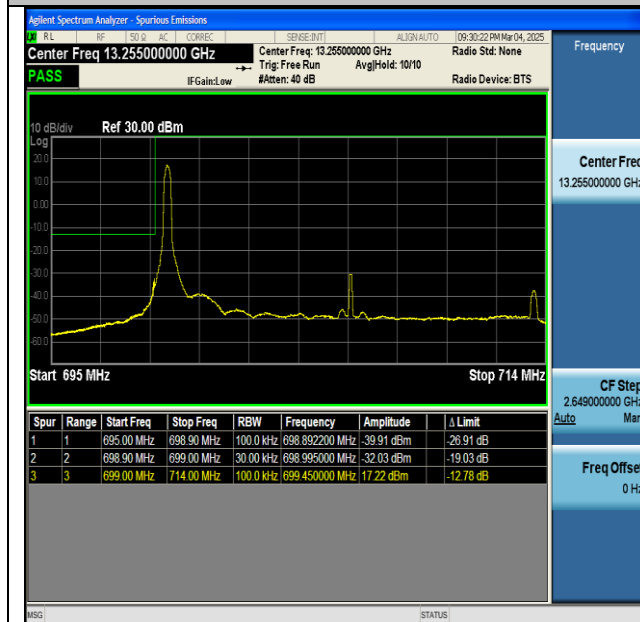




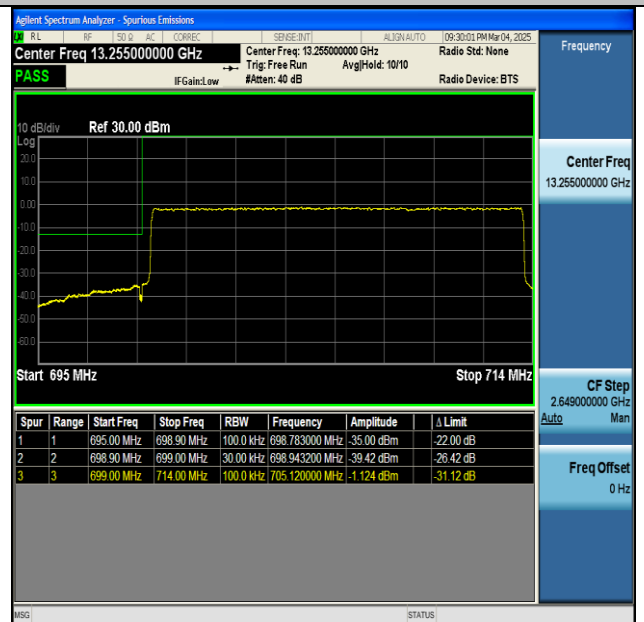
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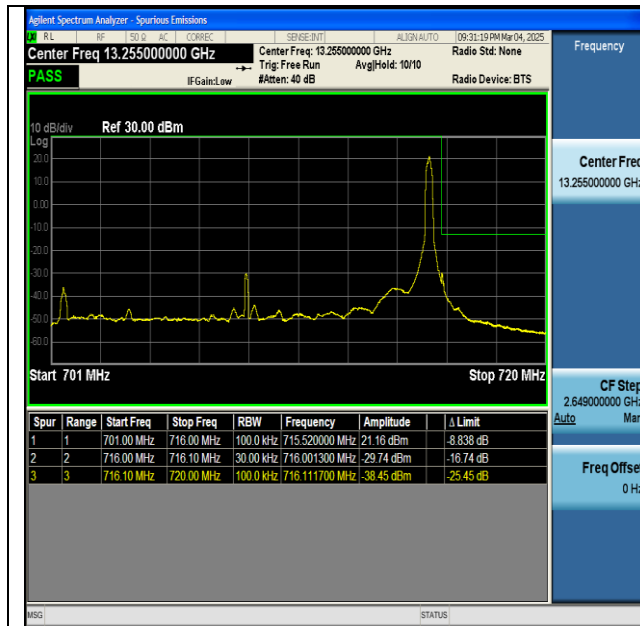
NTNV-n12-PC3-15-15-L-DFT-BPSK-Outer\_Full-PASS



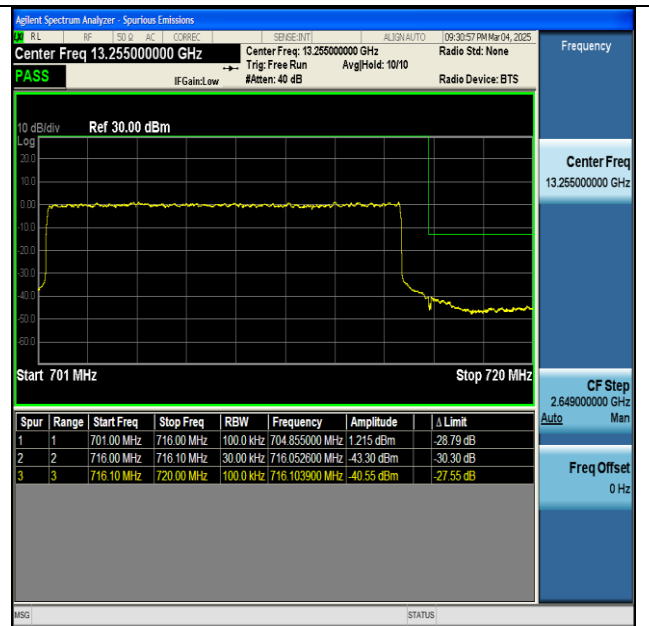
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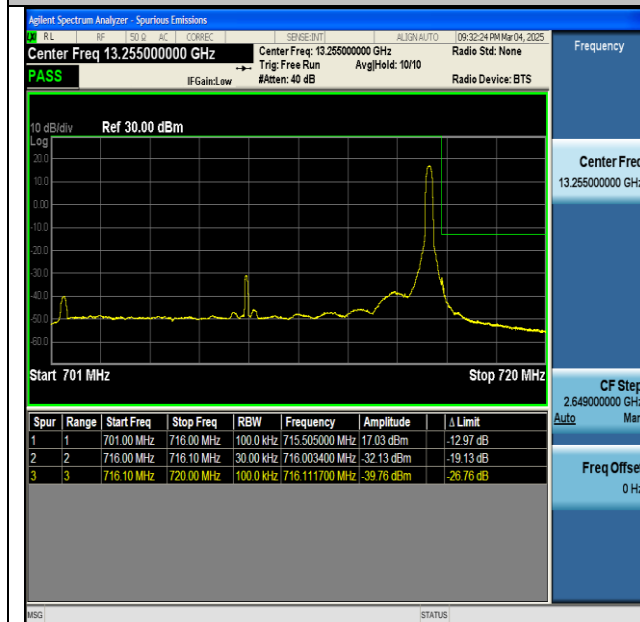
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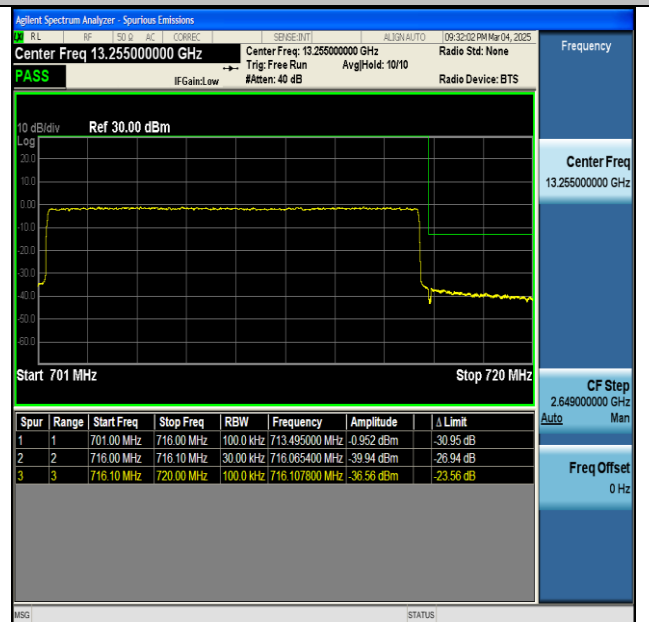
NTNV-n12-PC3-15-15-H-DFT-BPSK-Edge\_1RB\_Right-PASS



NTNV-n12-PC3-15-15-H-DFT-BPSK-Outer\_Full-PASS



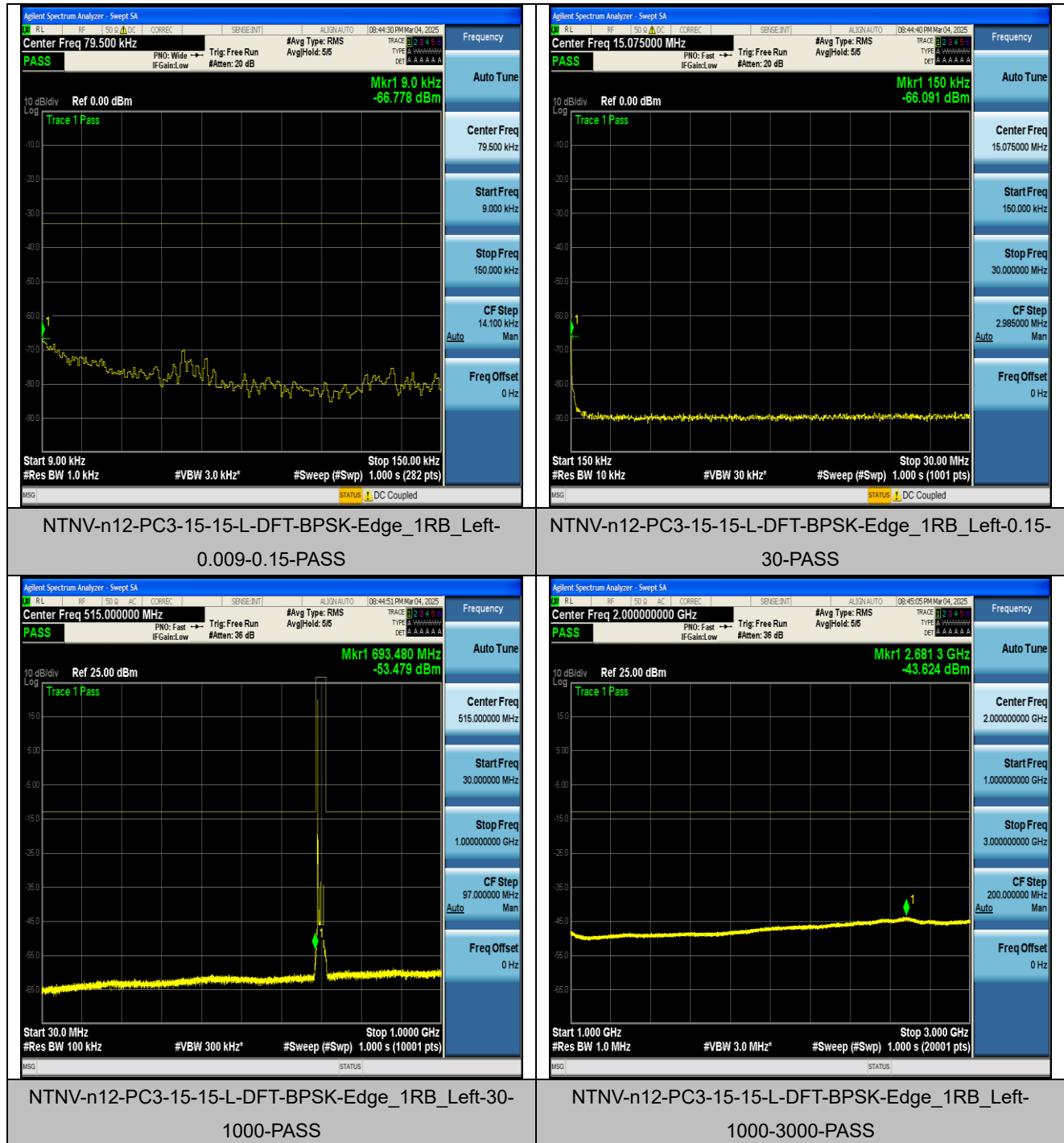
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NTNV-n12-PC3-15-15-H-CP-QPSK-Outer\_Full-PASS

# Conducted Spurious Emission for SA

## Test Graphs

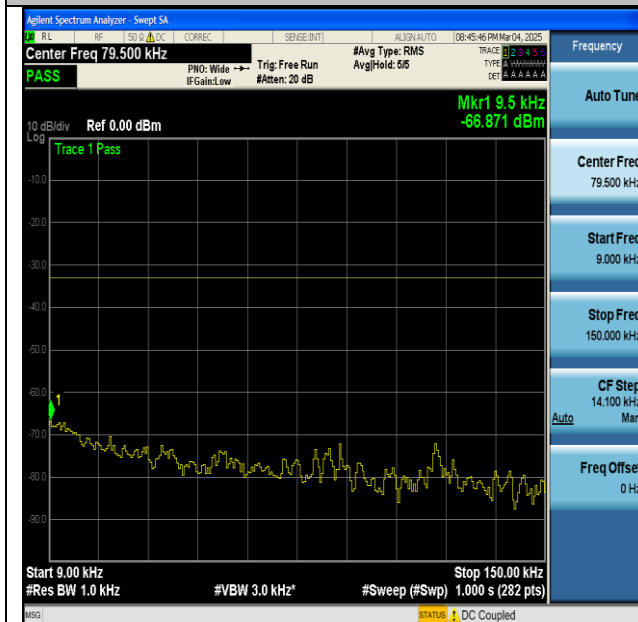




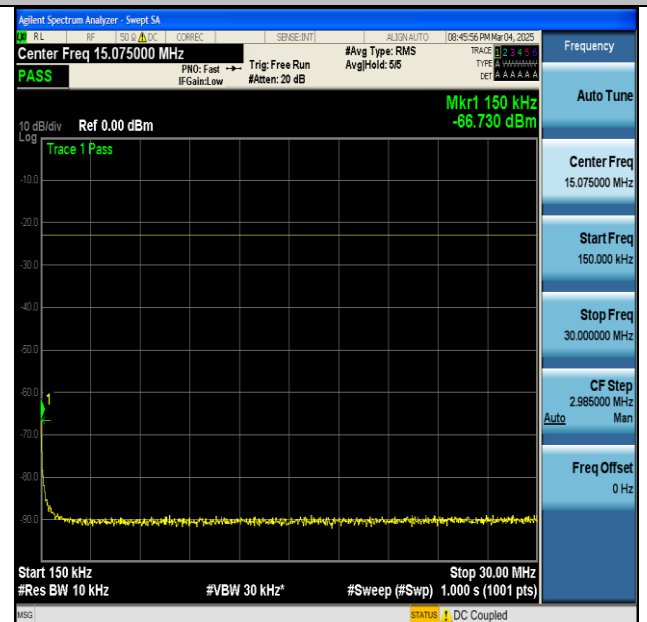
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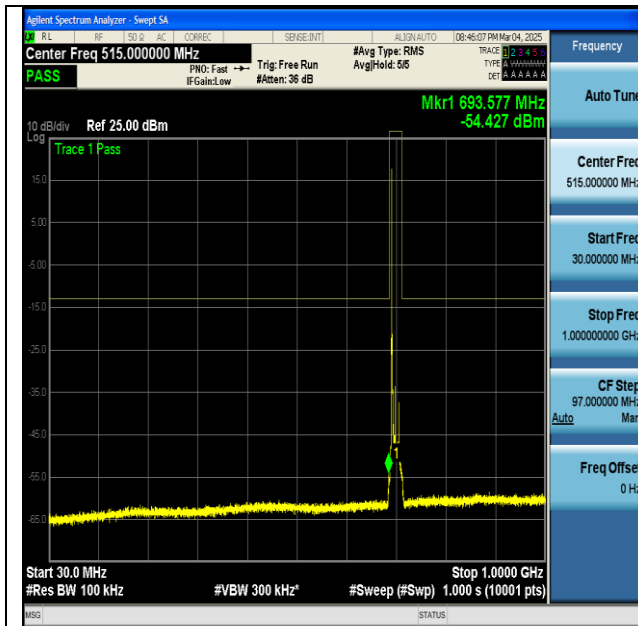
NTNV-n12-PC3-15-15-L-DFT-BPSK-Edge\_1RB\_Left-12000-20000-PASS



NTNV-n12-PC3-15-15-L-CP-QPSK-Edge\_1RB\_Left-0.009-0.15-PASS



NTNV-n12-PC3-15-15-L-CP-QPSK-Edge\_1RB\_Left-0.15-30-PASS



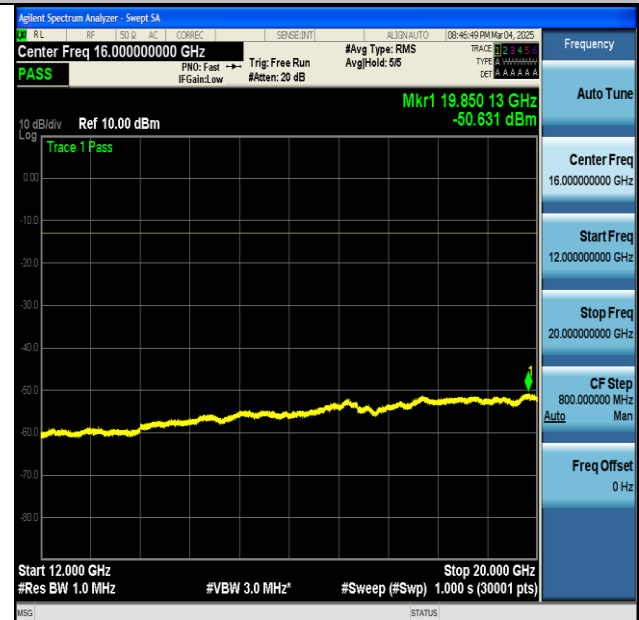
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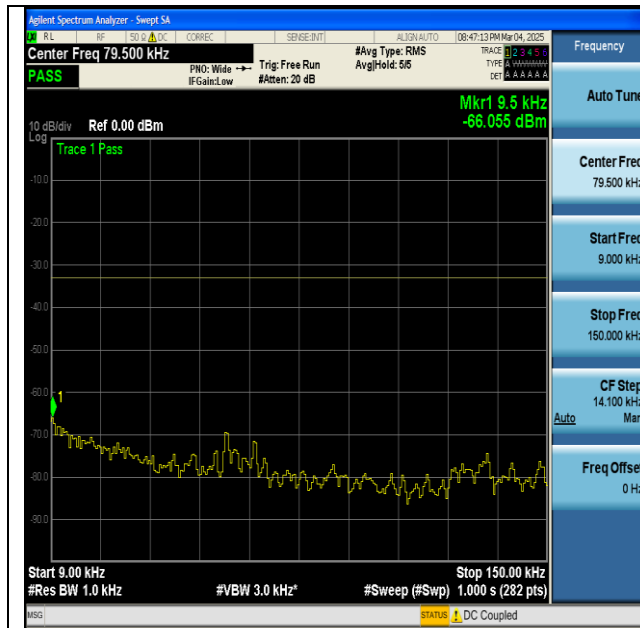
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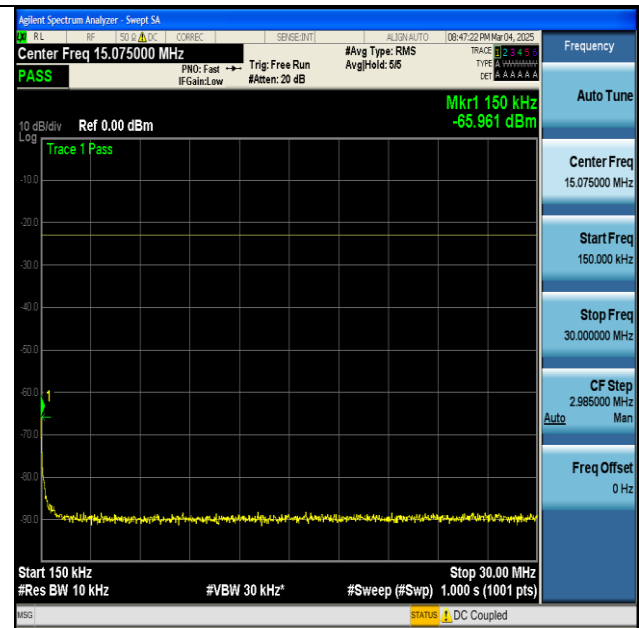
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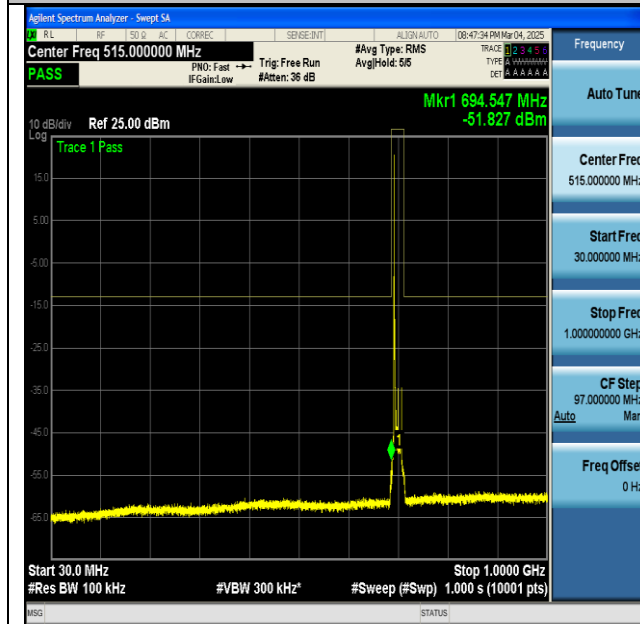
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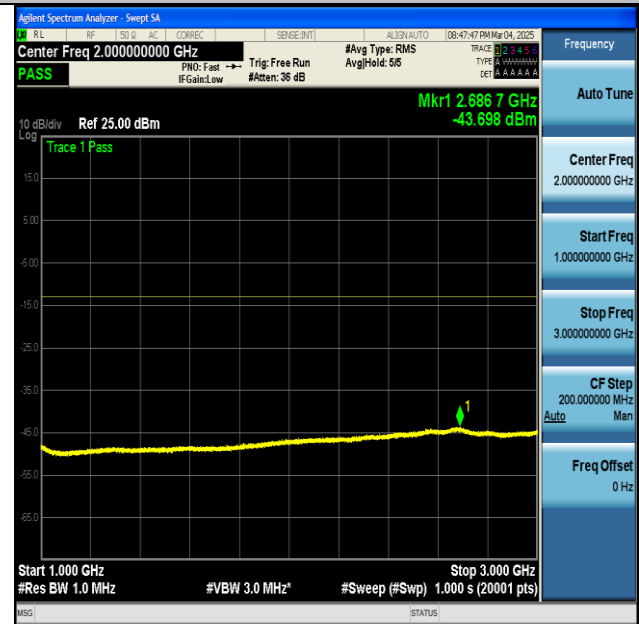
NTNV-n12-PC3-15-15-M-DFT-BPSK-Edge\_1RB\_Left-  
0.009-0.15-PASS



NTNV-n12-PC3-15-15-M-DFT-BPSK-Edge\_1RB\_Left-  
0.15-30-PASS



NTNV-n12-PC3-15-15-M-DFT-BPSK-Edge\_1RB\_Left-30-  
1000-PASS



NTNV-n12-PC3-15-15-M-DFT-BPSK-Edge\_1RB\_Left-  
1000-3000-PASS



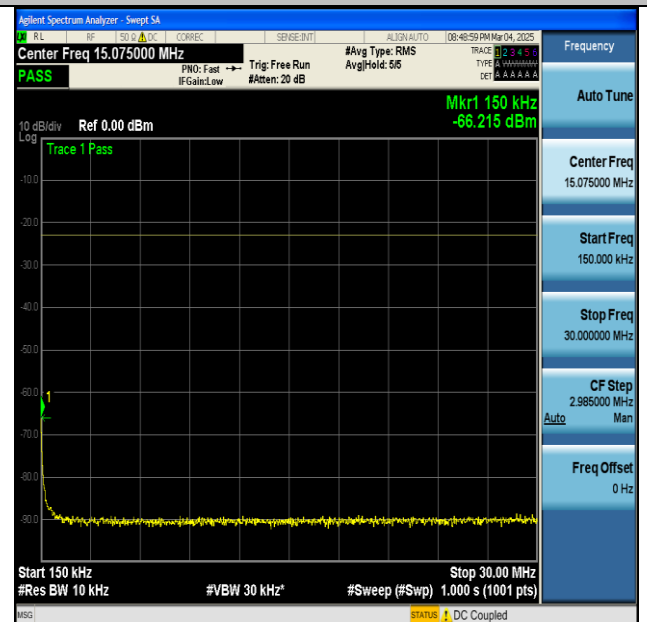
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3000-12000-PASS



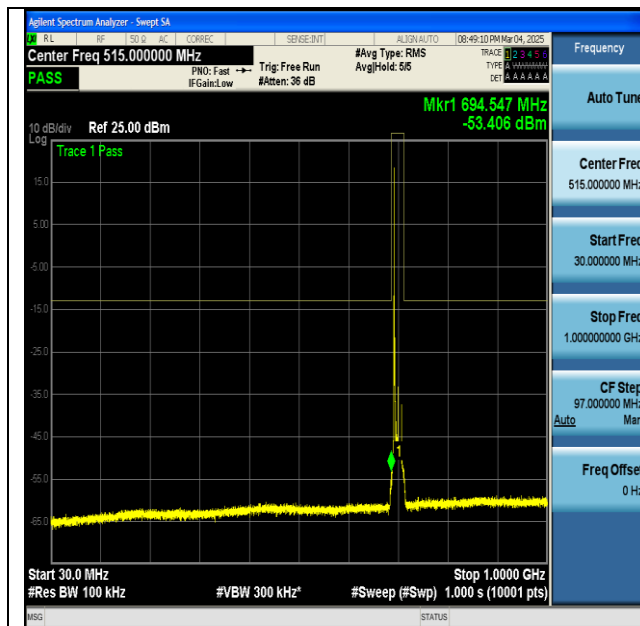
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12000-20000-PASS



NTNV-n12-PC3-15-15-M-CP-QPSK-Edge\_1RB\_Left-  
0.009-0.15-PASS



NTNV-n12-PC3-15-15-M-CP-QPSK-Edge\_1RB\_Left-0.15-  
30-PASS



NTNV-n12-PC3-15-15-M-CP-QPSK-Edge\_1RB\_Left-30-1000-PASS



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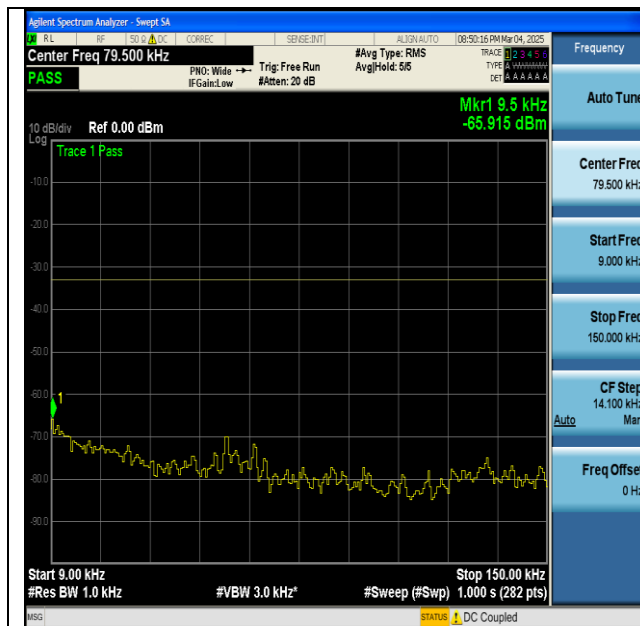


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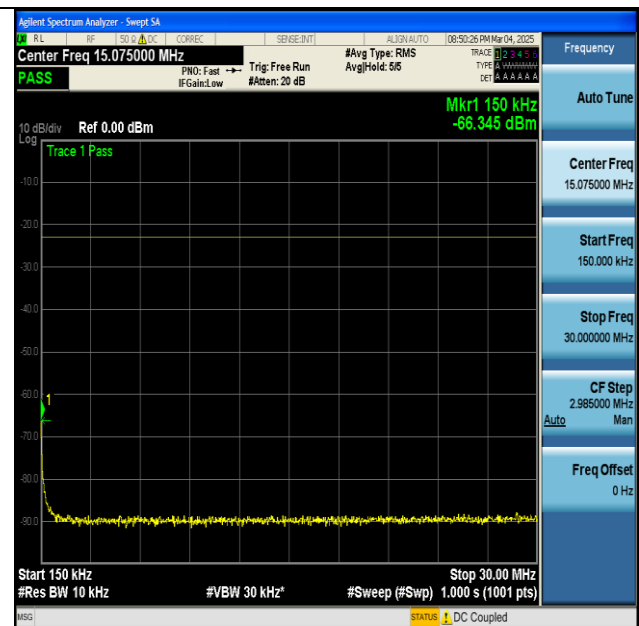


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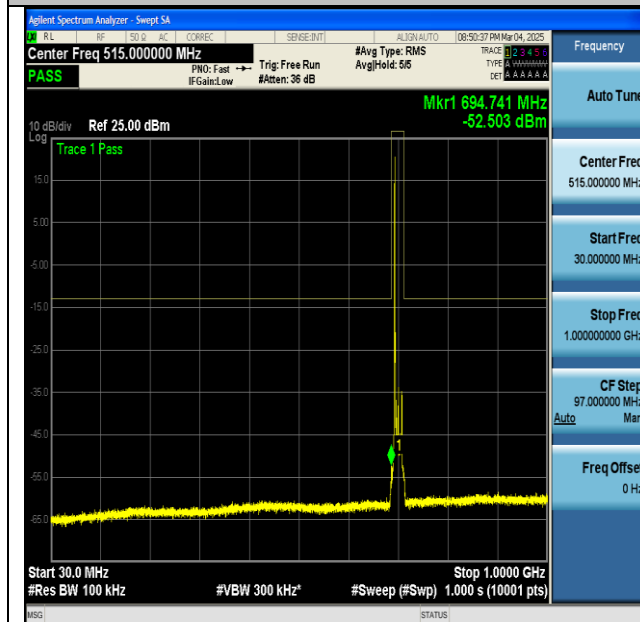




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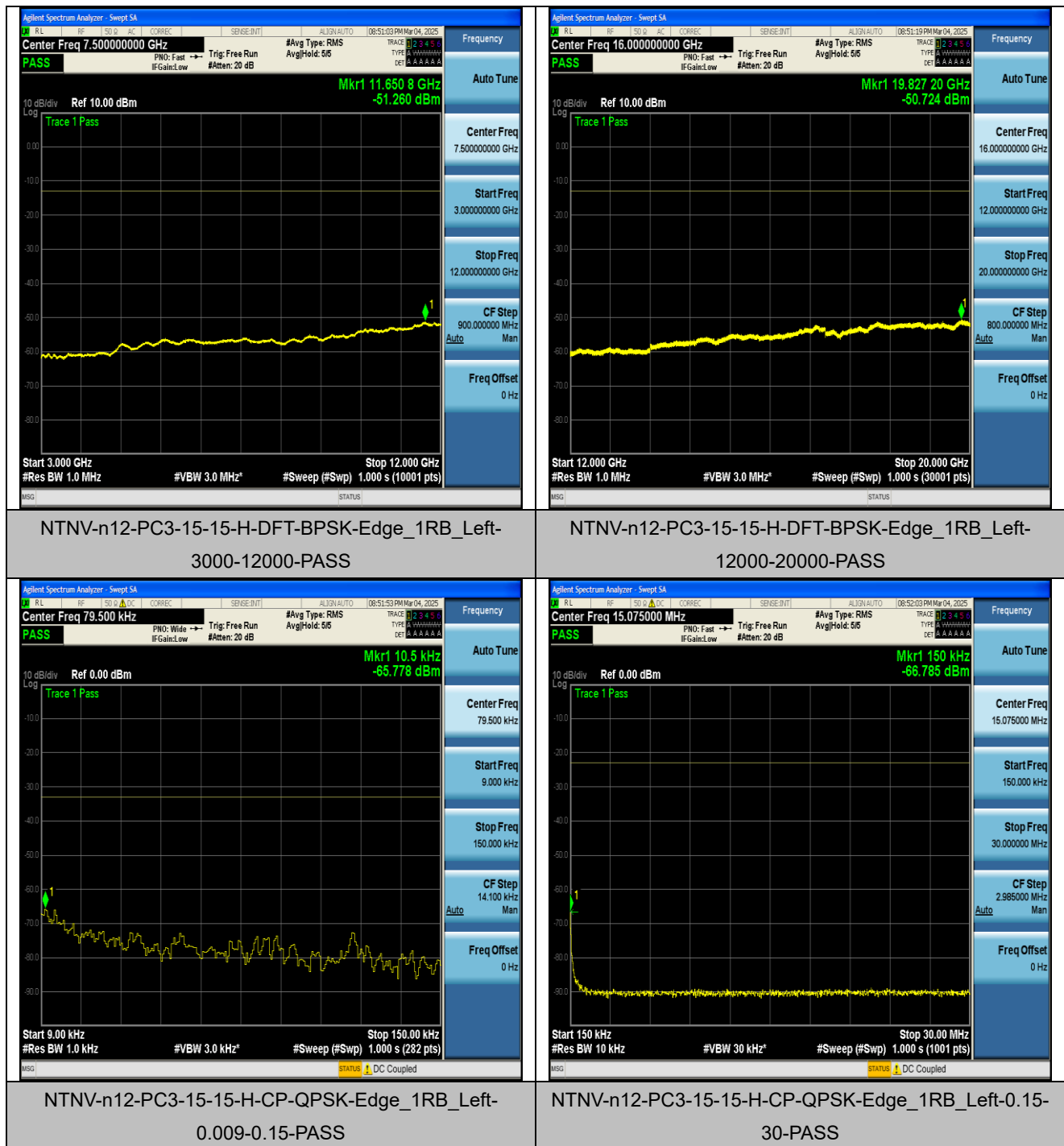
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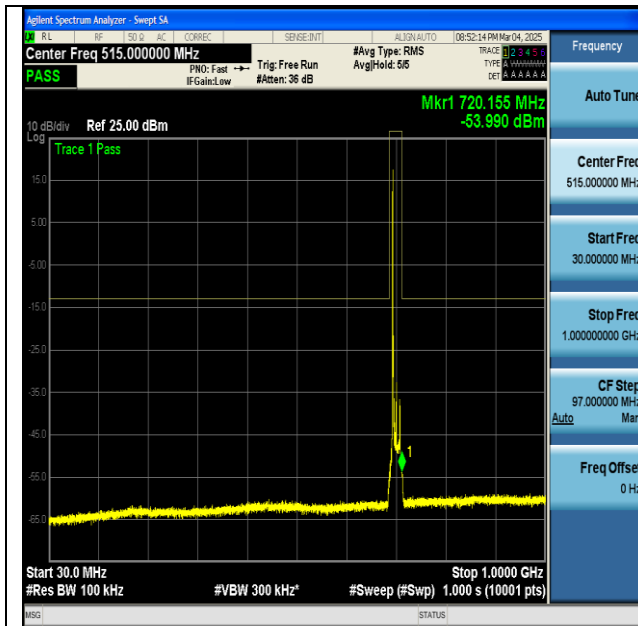


NTNV-n12-PC3-15-15-H-DFT-BPSK-Edge\_1RB\_Left-30-1000-PASS



NTNV-n12-PC3-15-15-H-DFT-BPSK-Edge\_1RB\_Left-1000-3000-PASS





NTNV-n12-PC3-15-15-H-CP-QPSK-Edge\_1RB\_Left-30-1000-PASS



NTNV-n12-PC3-15-15-H-CP-QPSK-Edge\_1RB\_Left-1000-3000-PASS



NTNV-n12-PC3-15-15-H-CP-QPSK-Edge\_1RB\_Left-3000-12000-PASS



NTNV-n12-PC3-15-15-H-CP-QPSK-Edge\_1RB\_Left-12000-20000-PASS

## Frequency Stability for SA

### Test Result

#### Frequency Error VS. Voltage

| Voltage |     |           |            |         |            |         |      |                |                 |         |
|---------|-----|-----------|------------|---------|------------|---------|------|----------------|-----------------|---------|
| Band    | SCS | Bandwidth | Modulation | Channel | RB Config  | Voltage | Temp | Deviation (Hz) | Deviation (ppm) | Verdict |
| n12     | 15  | 15        | DFT-BPSK   | M       | Outer_Full | VL      | NT   | -3.4           | -0.004806       | PASS    |
| n12     | 15  | 15        | DFT-BPSK   | M       | Outer_Full | VN      | NT   | -3.8           | -0.005371       | PASS    |
| n12     | 15  | 15        | DFT-BPSK   | M       | Outer_Full | VH      | NT   | -3.9           | -0.005512       | PASS    |
| n12     | 15  | 15        | CP-QPSK    | M       | Outer_Full | VL      | NT   | -7.1           | -0.010035       | PASS    |
| n12     | 15  | 15        | CP-QPSK    | M       | Outer_Full | VN      | NT   | -5.6           | -0.007915       | PASS    |
| n12     | 15  | 15        | CP-QPSK    | M       | Outer_Full | VH      | NT   | -5.5           | -0.007774       | PASS    |

#### Frequency Error VS. Temperature

| Temperature |     |           |            |         |            |         |      |                |                 |         |
|-------------|-----|-----------|------------|---------|------------|---------|------|----------------|-----------------|---------|
| Band        | SCS | Bandwidth | Modulation | Channel | RB Config  | Voltage | Temp | Deviation (Hz) | Deviation (ppm) | Verdict |
| n12         | 15  | 15        | DFT-BPSK   | M       | Outer_Full | NV      | -30  | -6.6           | -0.009329       | PASS    |
| n12         | 15  | 15        | DFT-BPSK   | M       | Outer_Full | NV      | -20  | -5             | -0.007067       | PASS    |
| n12         | 15  | 15        | DFT-BPSK   | M       | Outer_Full | NV      | -10  | -4.6           | -0.006502       | PASS    |
| n12         | 15  | 15        | DFT-BPSK   | M       | Outer_Full | NV      | 0    | -6.3           | -0.008905       | PASS    |
| n12         | 15  | 15        | DFT-BPSK   | M       | Outer_Full | NV      | 10   | -6.8           | -0.009611       | PASS    |
| n12         | 15  | 15        | DFT-BPSK   | M       | Outer_Full | NV      | 20   | -5.3           | -0.007491       | PASS    |
| n12         | 15  | 15        | DFT-BPSK   | M       | Outer_Full | NV      | 30   | -4.8           | -0.006784       | PASS    |
| n12         | 15  | 15        | DFT-BPSK   | M       | Outer_Full | NV      | 40   | -3             | -0.00424        | PASS    |
| n12         | 15  | 15        | DFT-BPSK   | M       | Outer_Full | NV      | 50   | -6.2           | -0.008763       | PASS    |
| n12         | 15  | 15        | CP-QPSK    | M       | Outer_Full | NV      | -30  | -5.9           | -0.008339       | PASS    |
| n12         | 15  | 15        | CP-QPSK    | M       | Outer_Full | NV      | -20  | -6.2           | -0.008763       | PASS    |
| n12         | 15  | 15        | CP-QPSK    | M       | Outer_Full | NV      | -10  | -7.2           | -0.010177       | PASS    |
| n12         | 15  | 15        | CP-QPSK    | M       | Outer_Full | NV      | 0    | -5.1           | -0.007208       | PASS    |
| n12         | 15  | 15        | CP-QPSK    | M       | Outer_Full | NV      | 10   | -6.2           | -0.008763       | PASS    |
| n12         | 15  | 15        | CP-QPSK    | M       | Outer_Full | NV      | 20   | -7.2           | -0.010177       | PASS    |
| n12         | 15  | 15        | CP-QPSK    | M       | Outer_Full | NV      | 30   | -6.8           | -0.009611       | PASS    |
| n12         | 15  | 15        | CP-QPSK    | M       | Outer_Full | NV      | 40   | -6.5           | -0.009187       | PASS    |
| n12         | 15  | 15        | CP-QPSK    | M       | Outer_Full | NV      | 50   | -8.2           | -0.01159        | PASS    |

~The End~