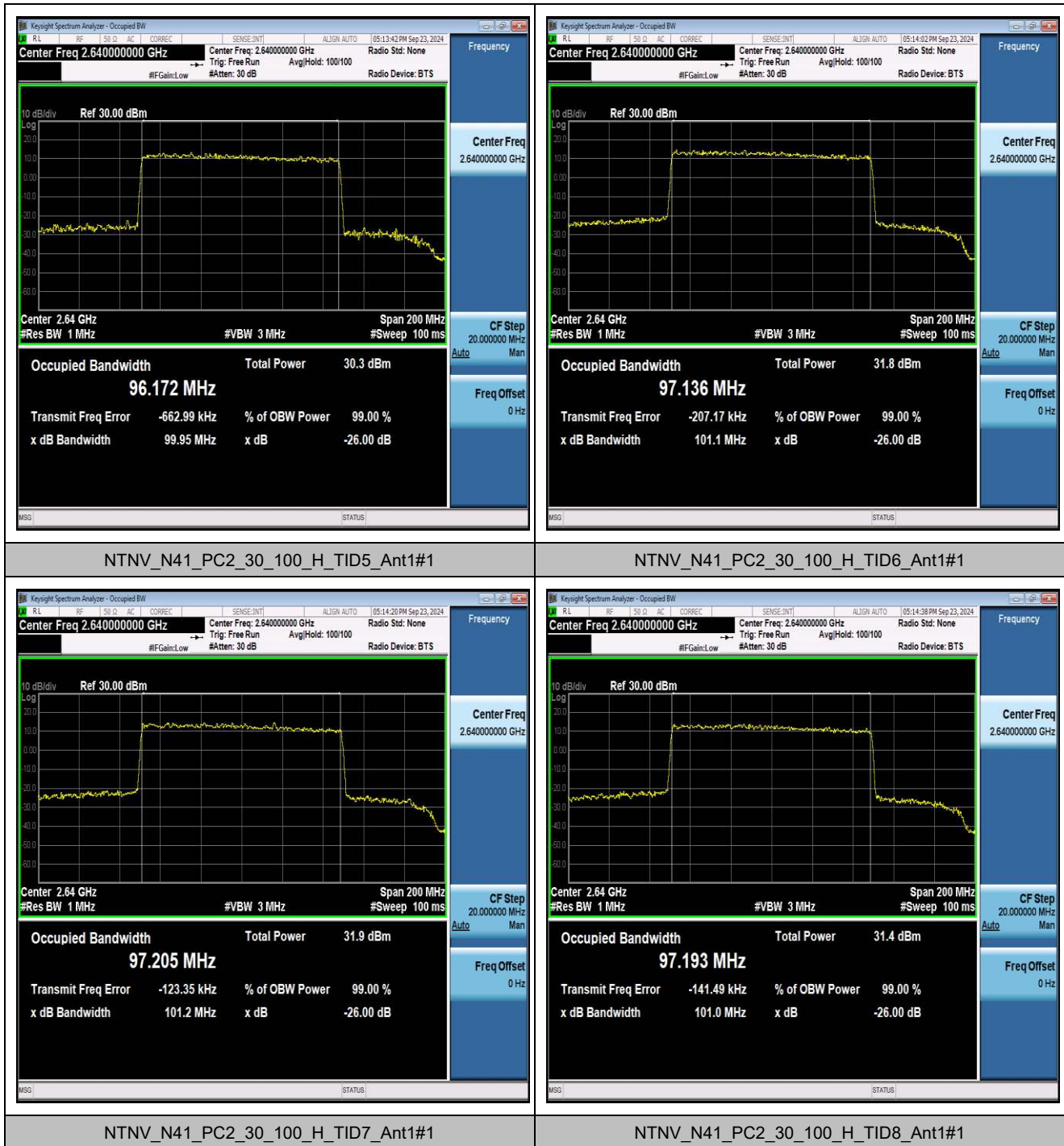
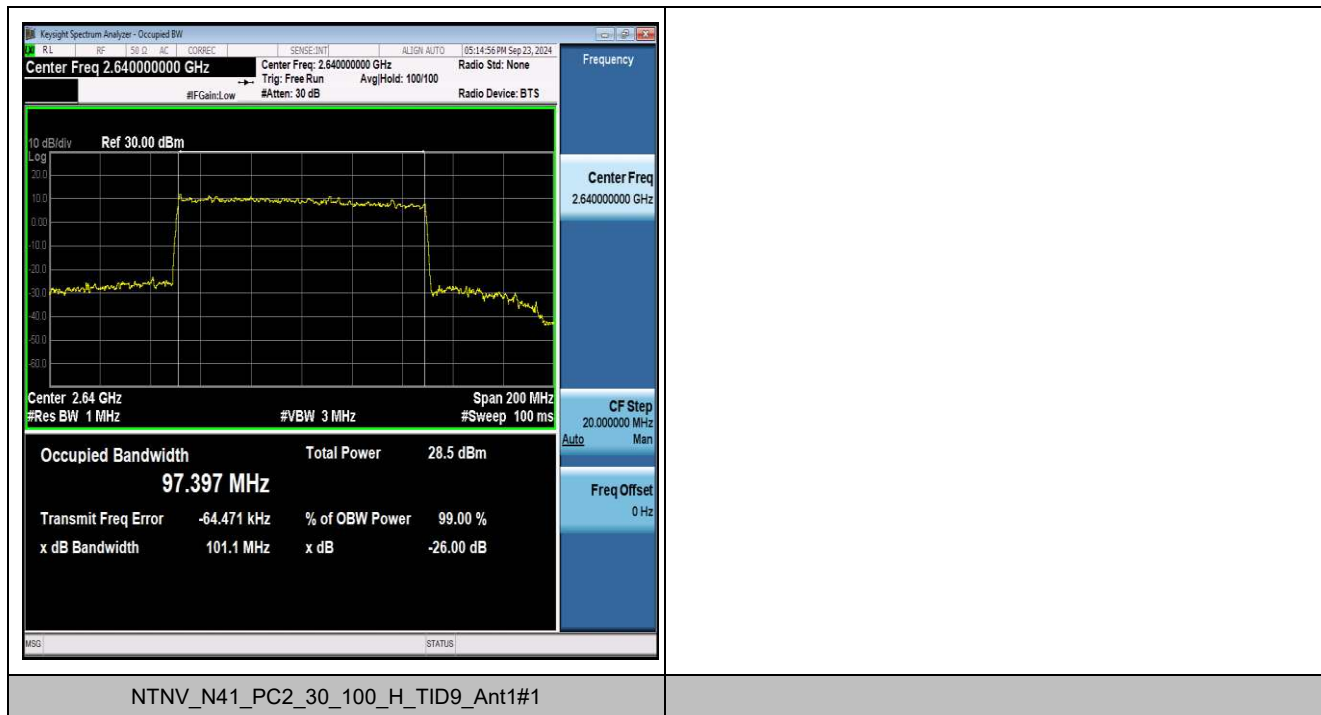
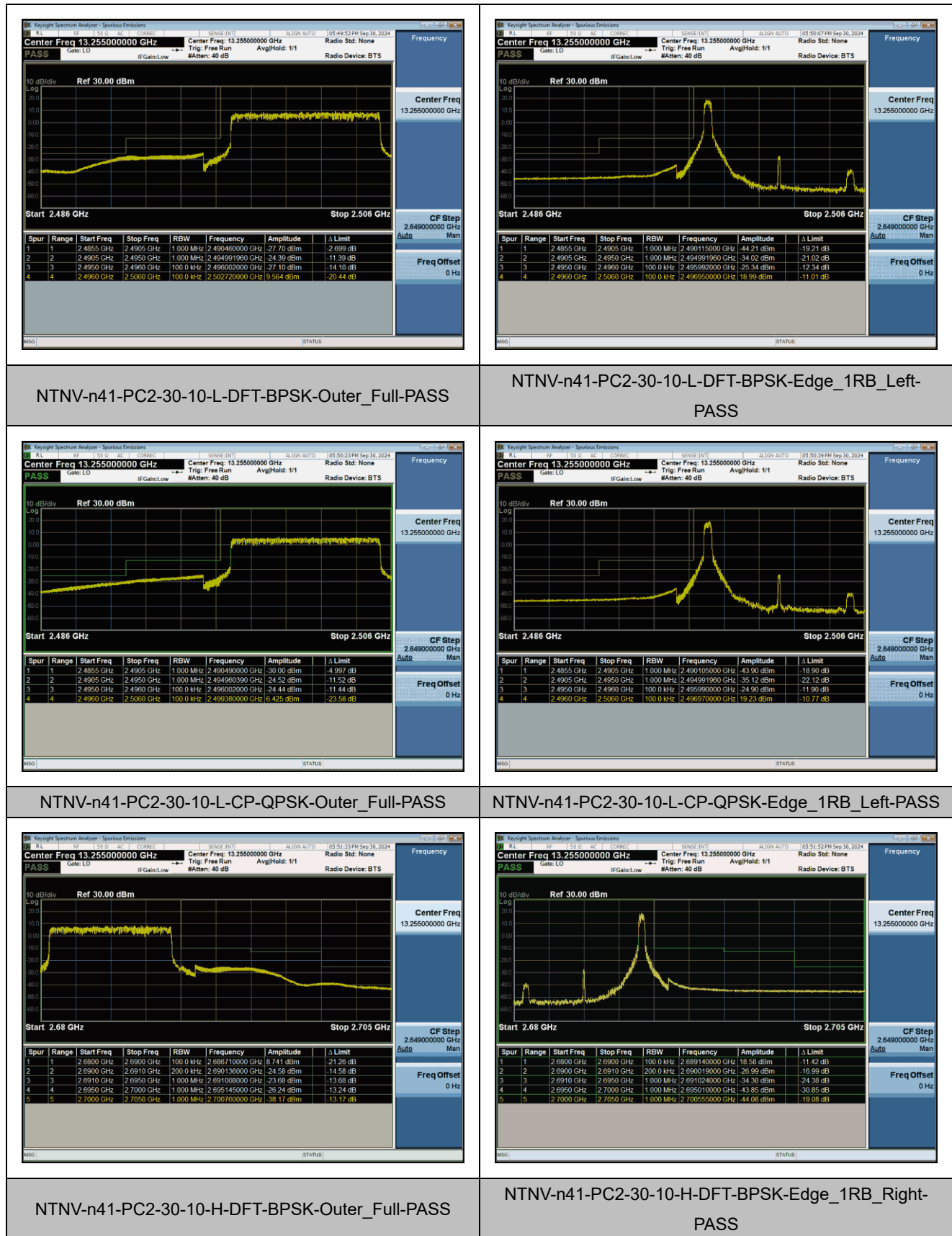






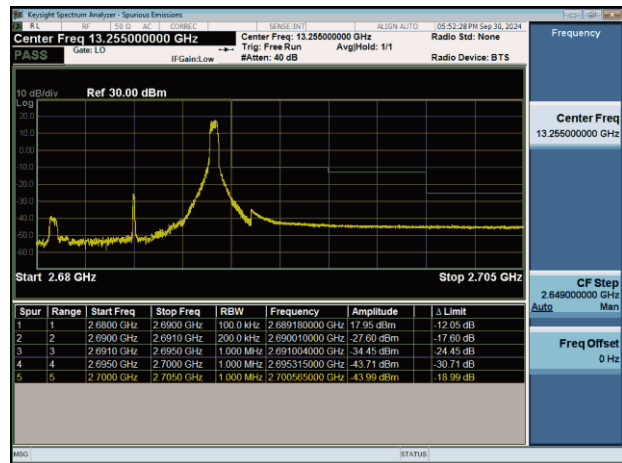
## Band Edge for SA

## Test Graphs

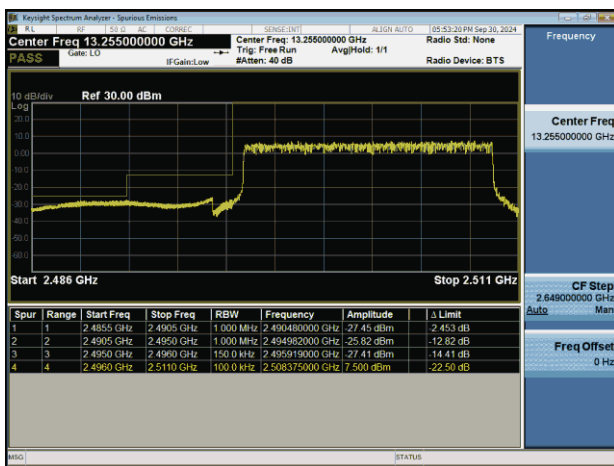




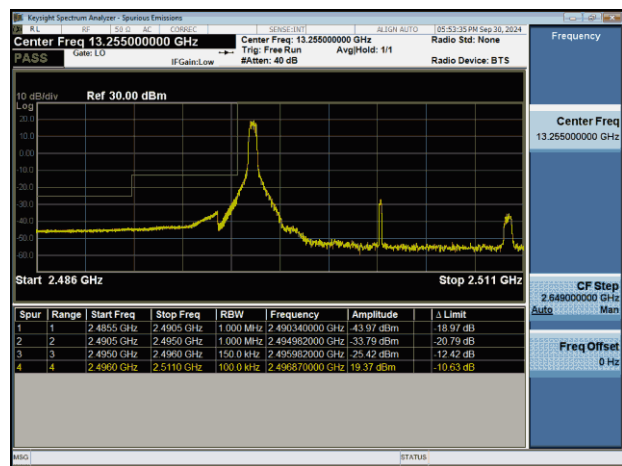
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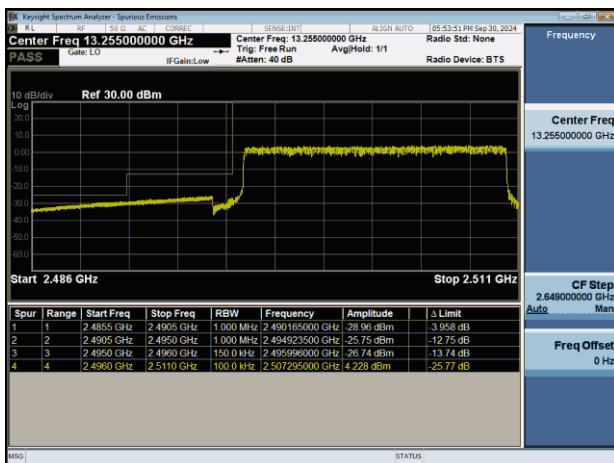
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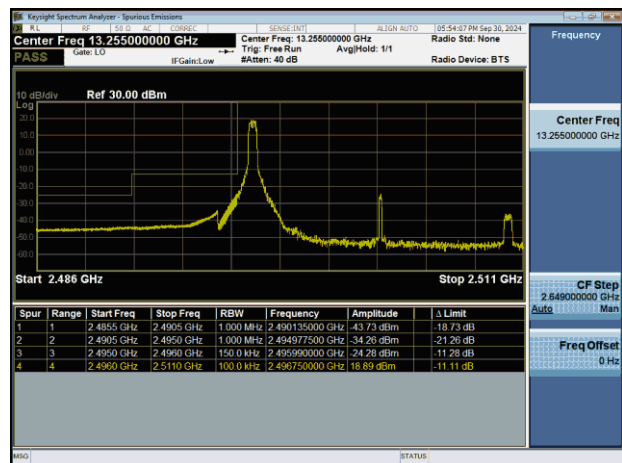
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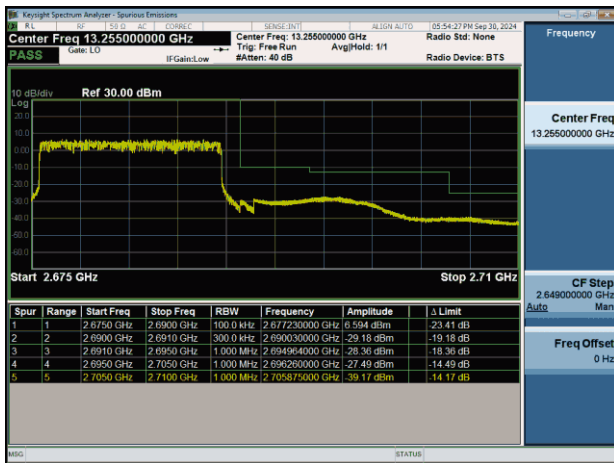
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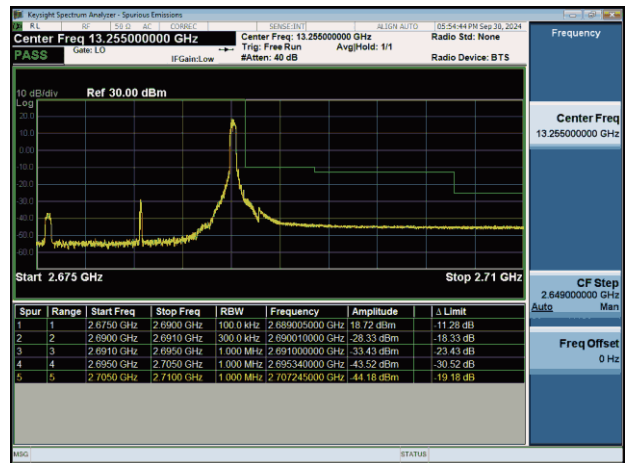
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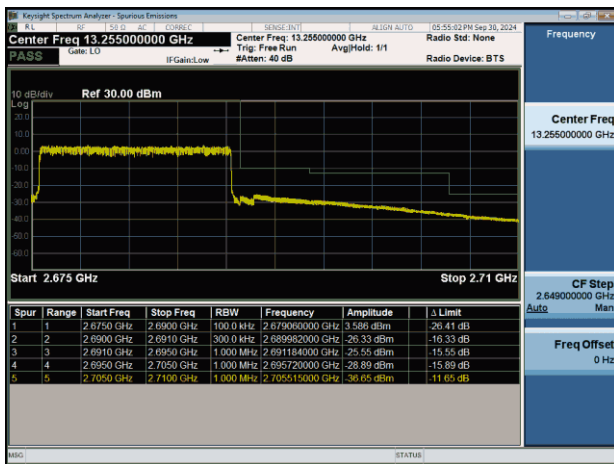
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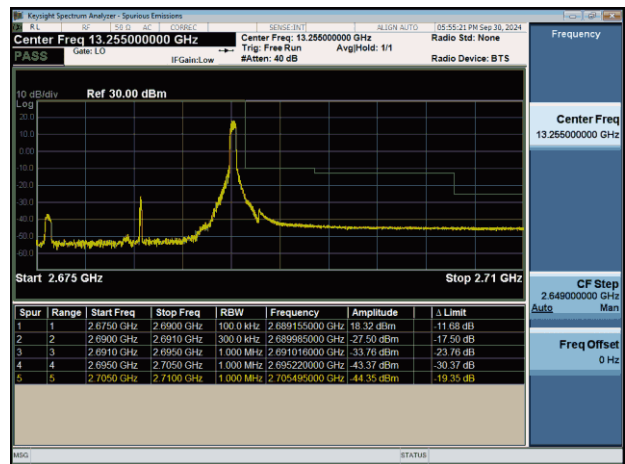
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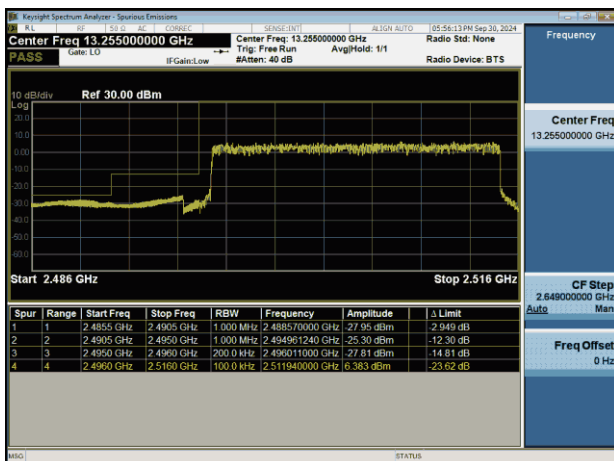
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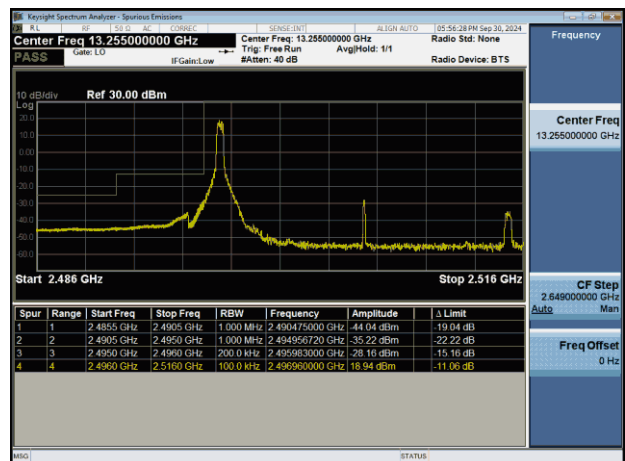
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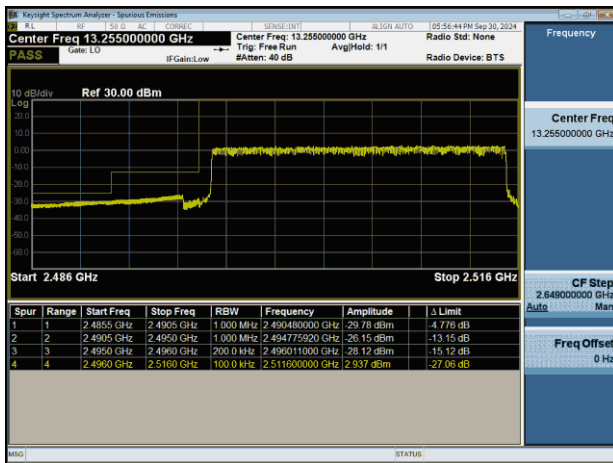
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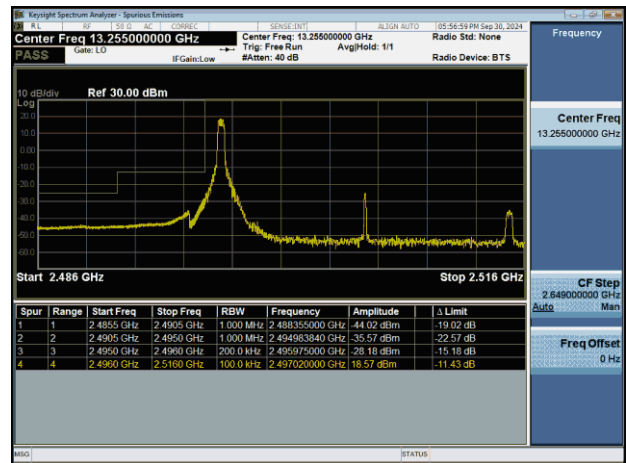
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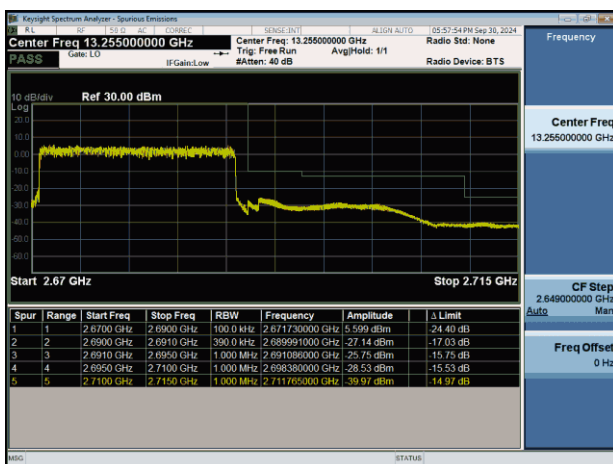
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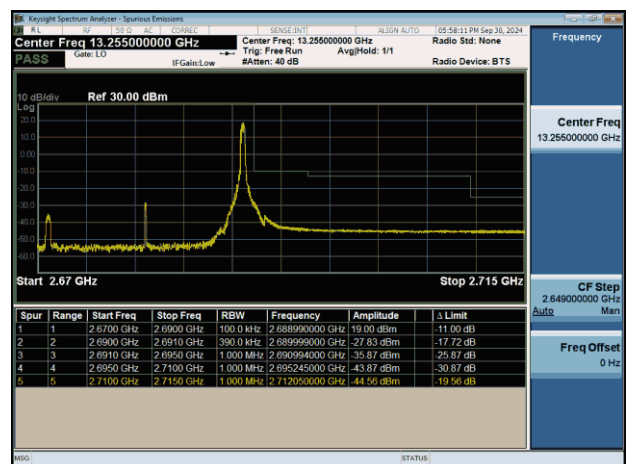
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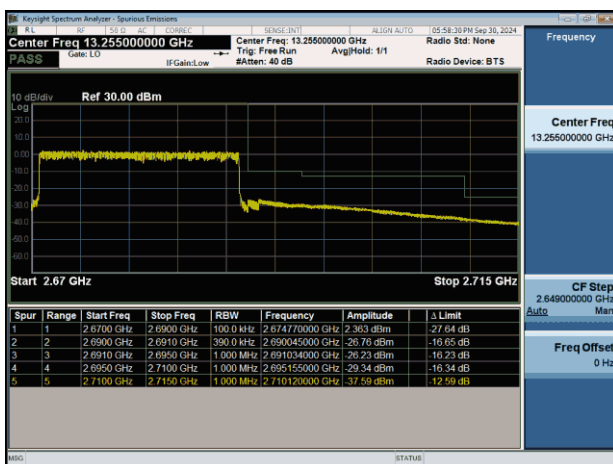
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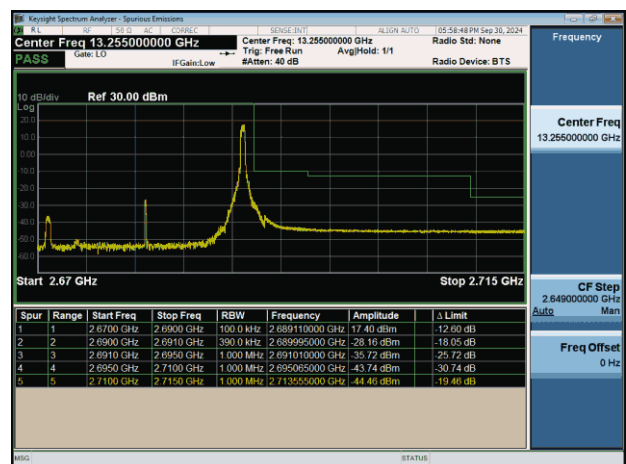
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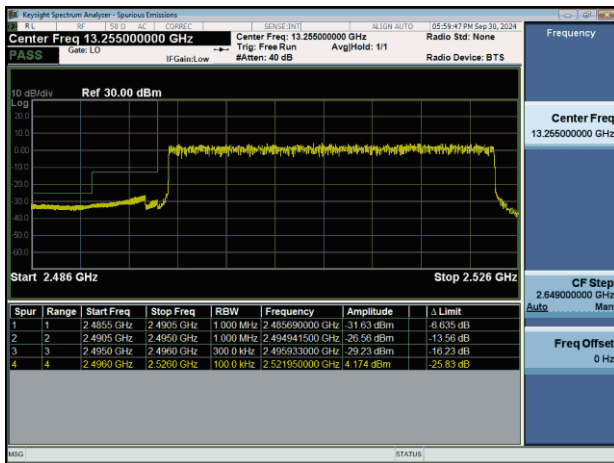
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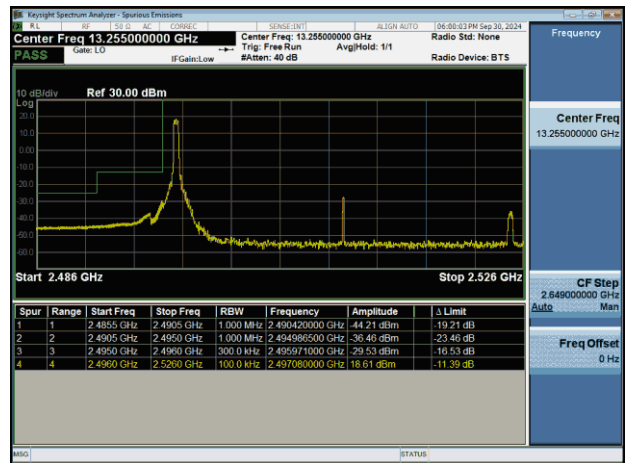
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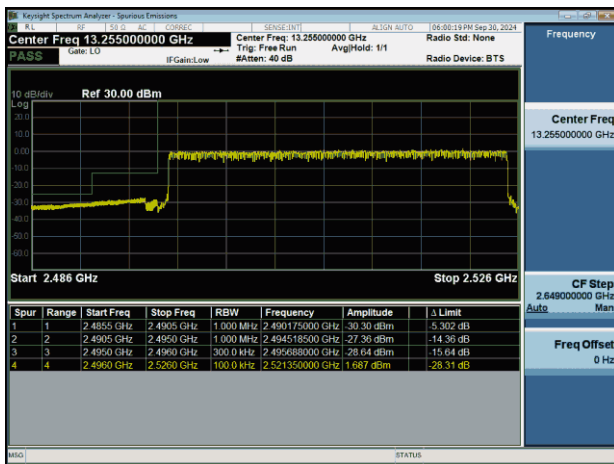
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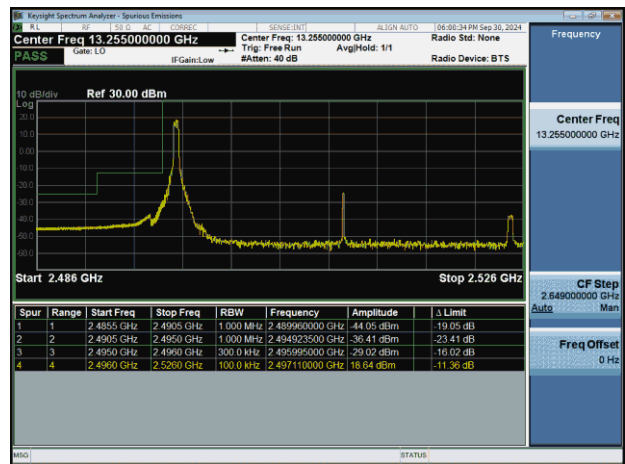
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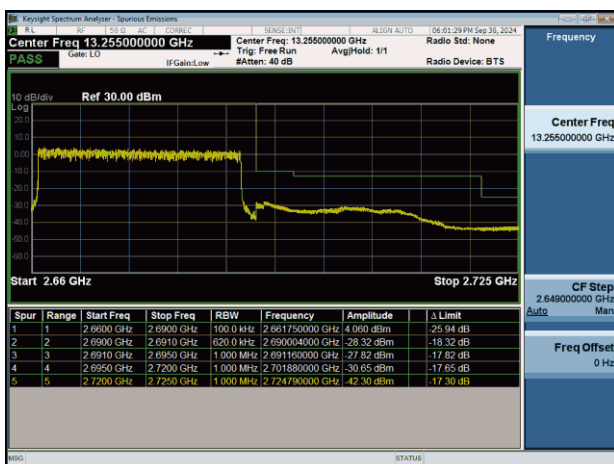
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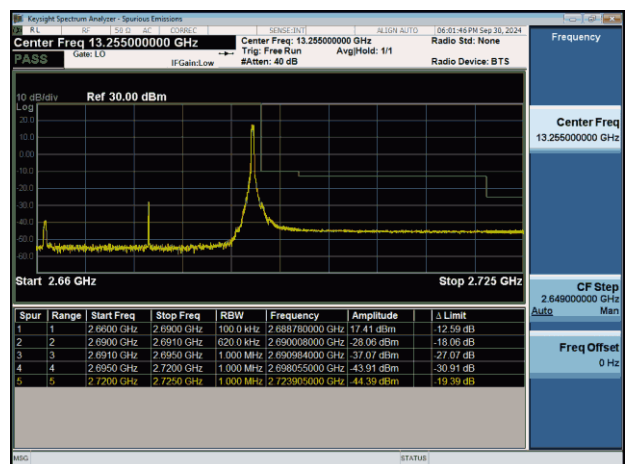
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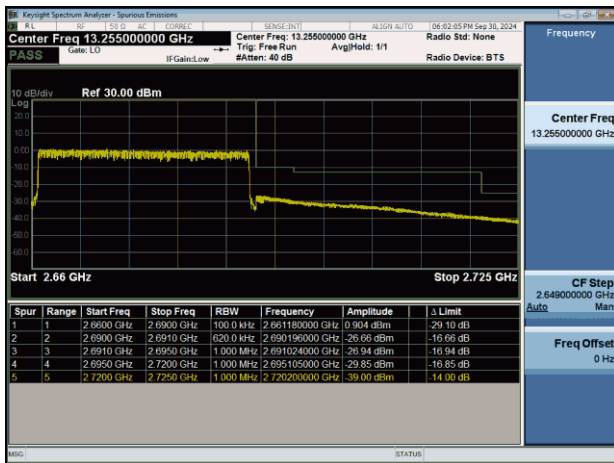
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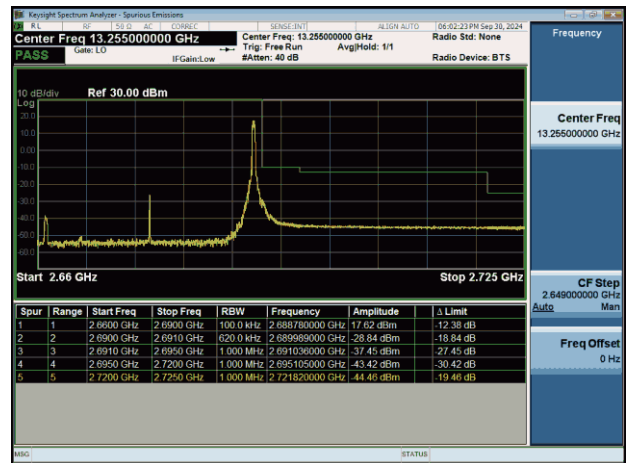
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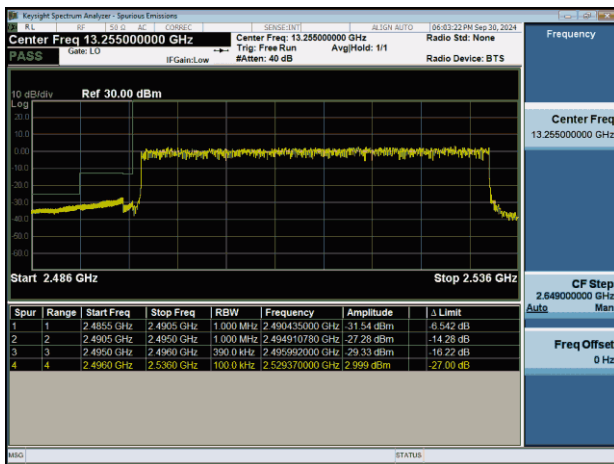
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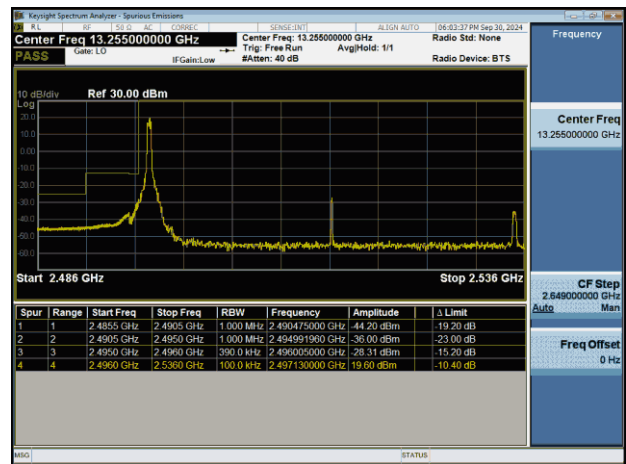
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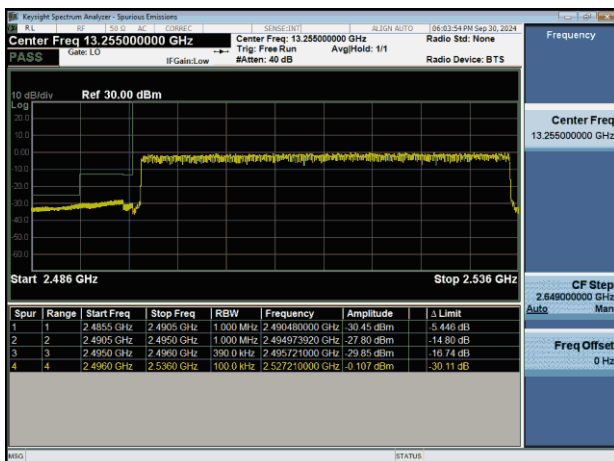
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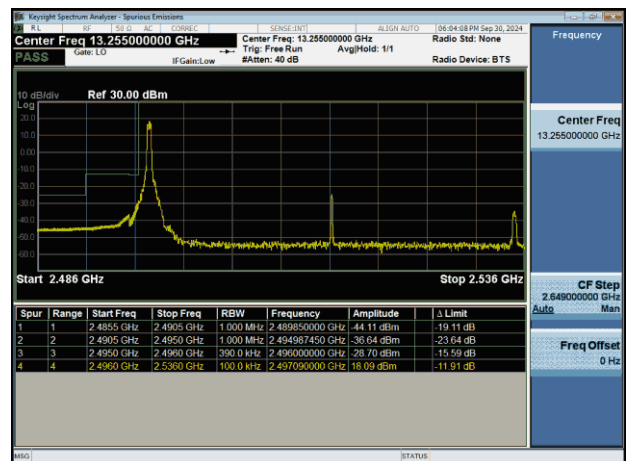
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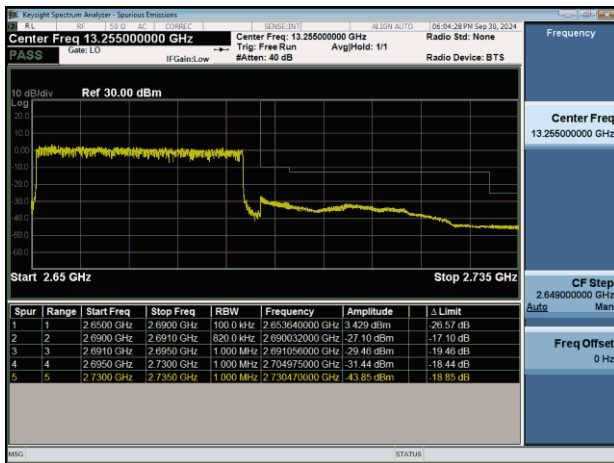
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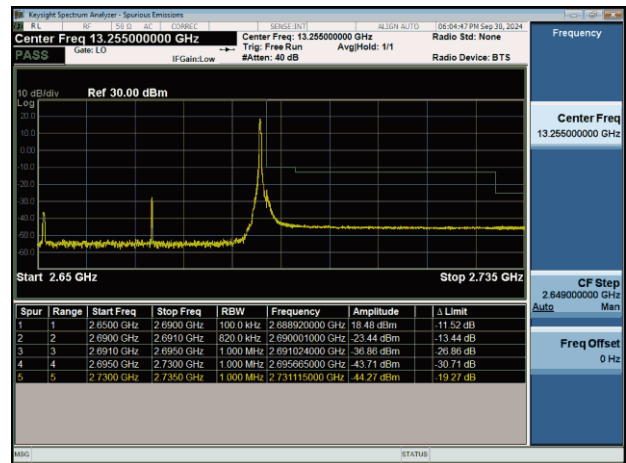
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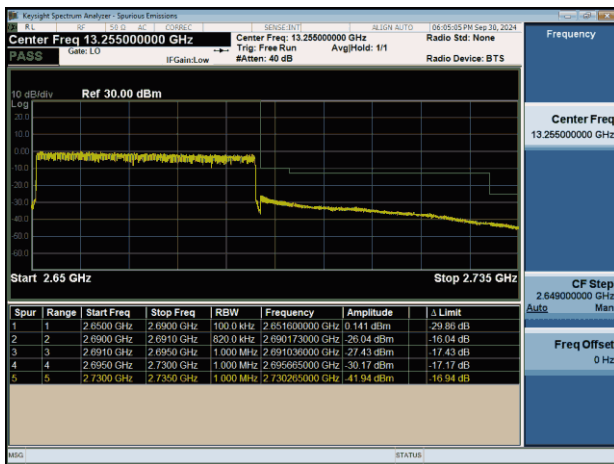
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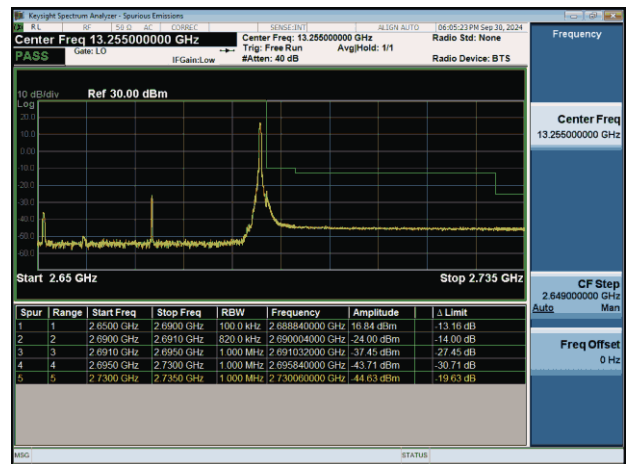
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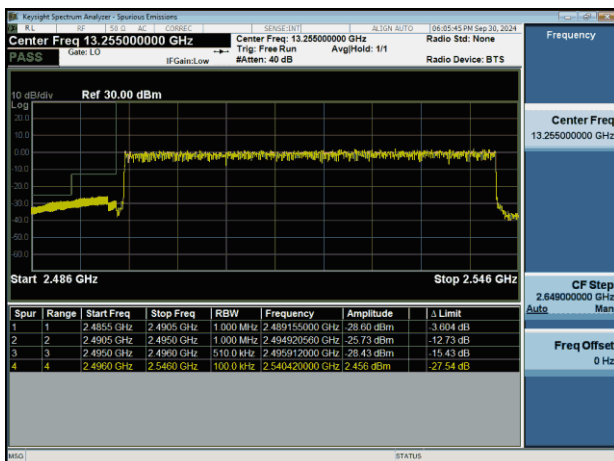
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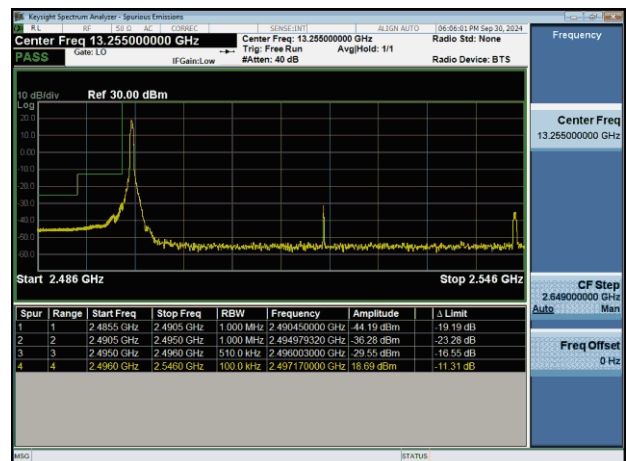
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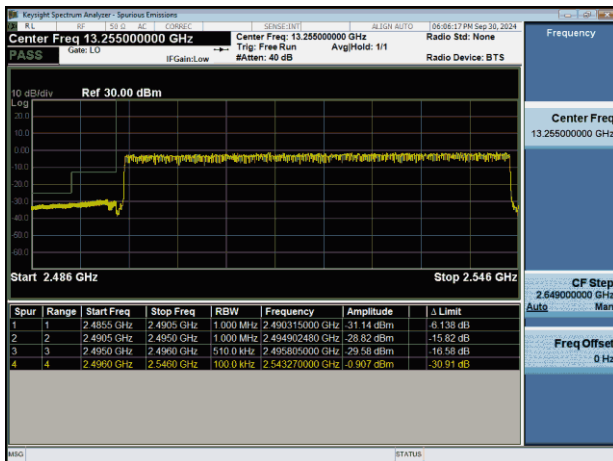
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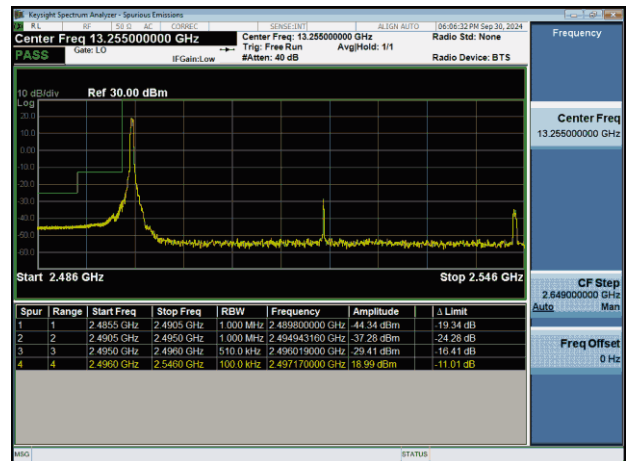
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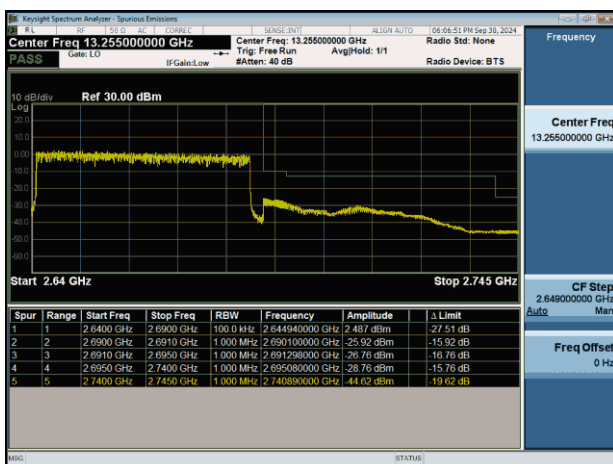
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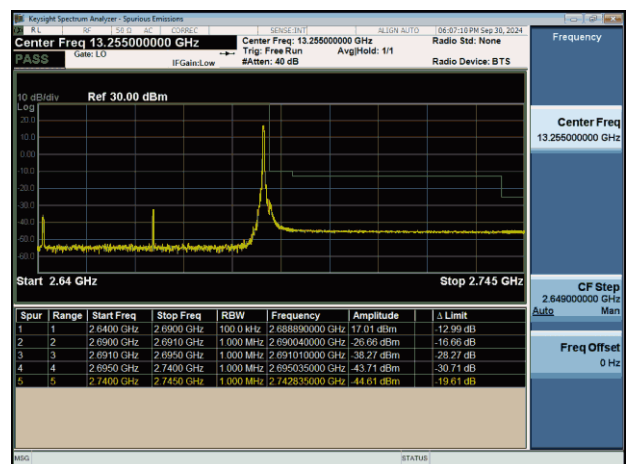
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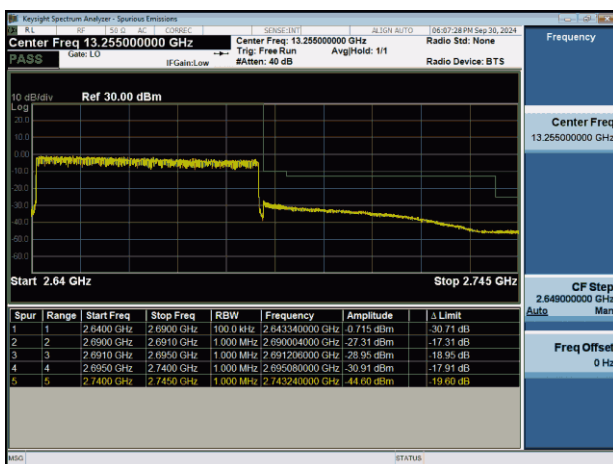
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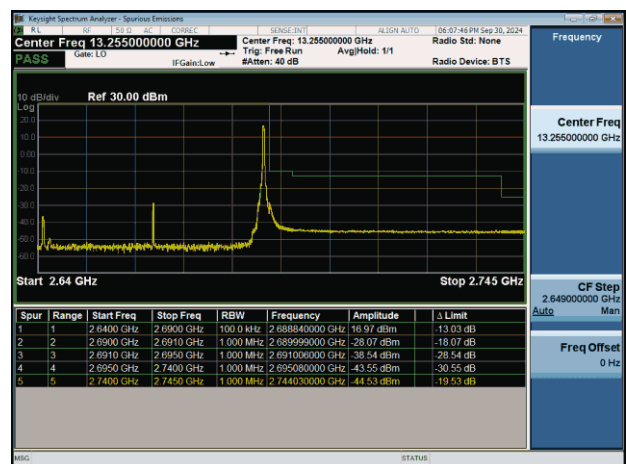
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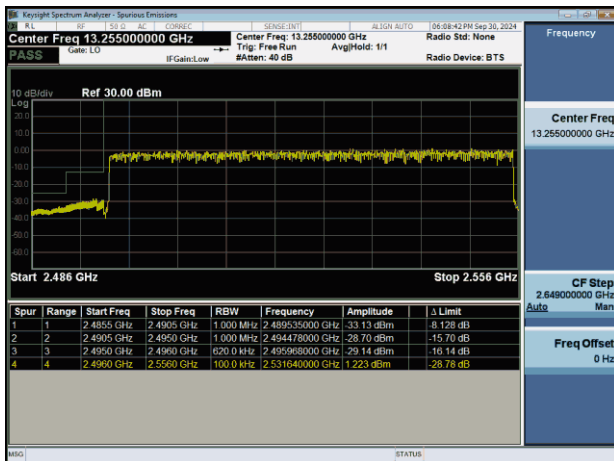
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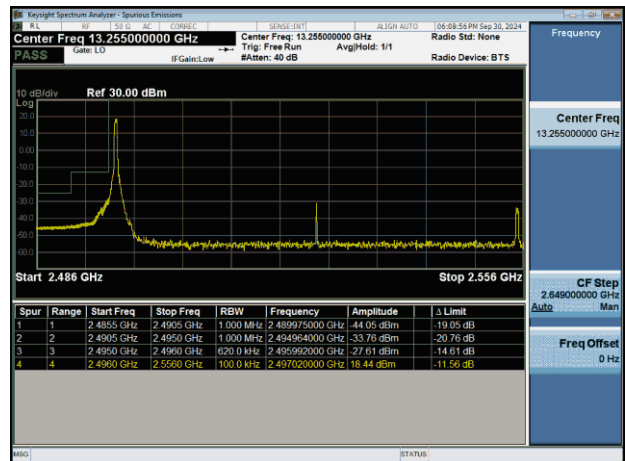
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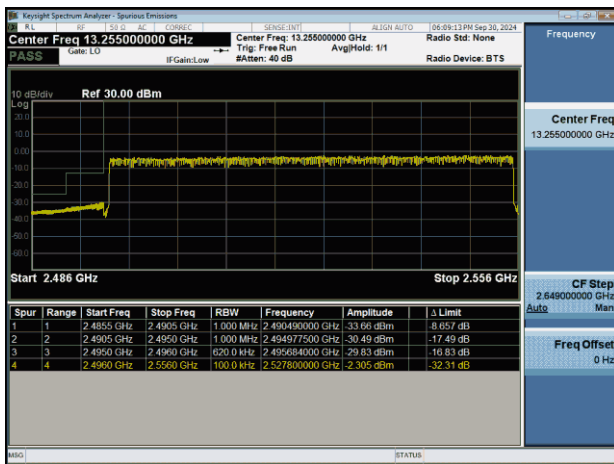
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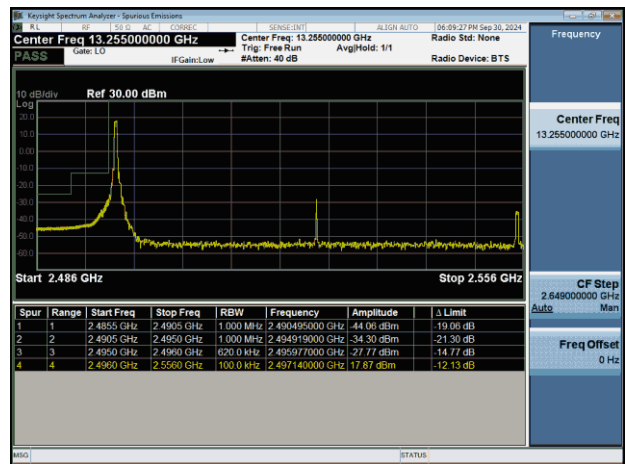
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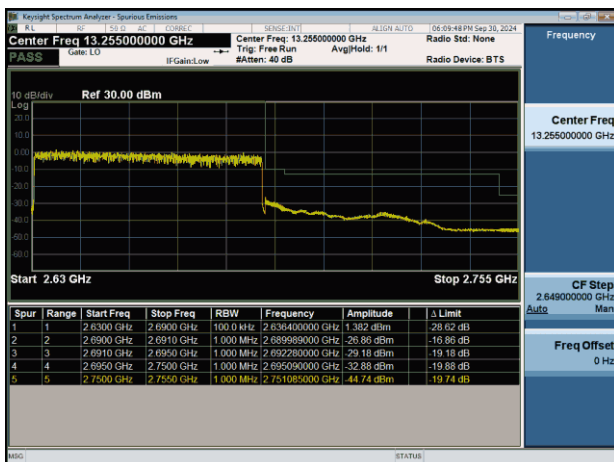
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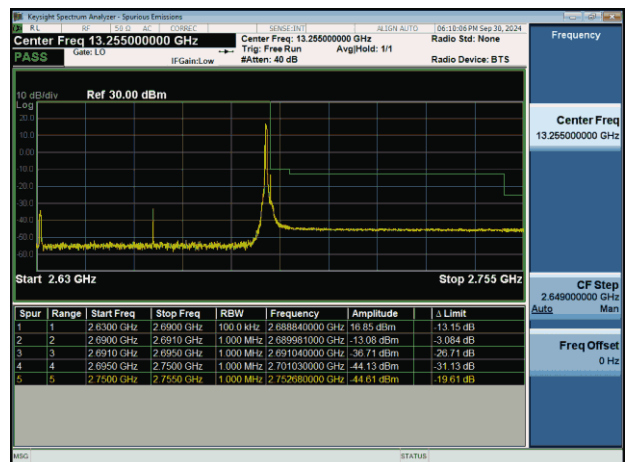
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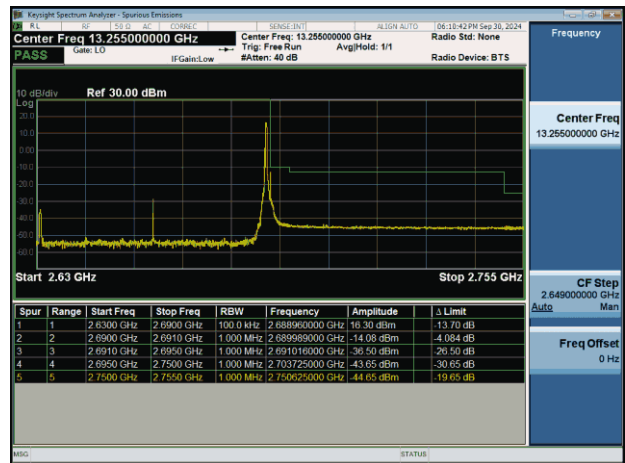
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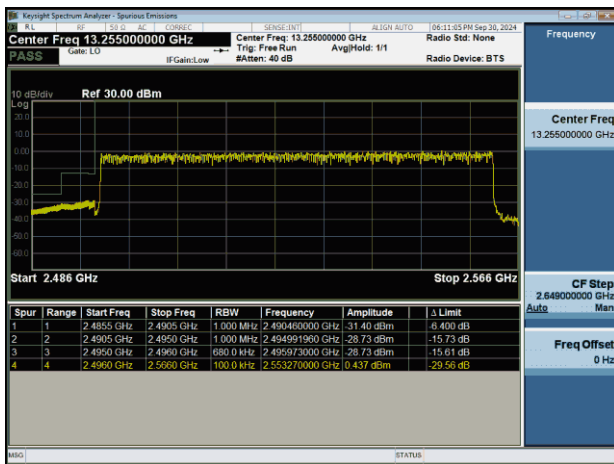
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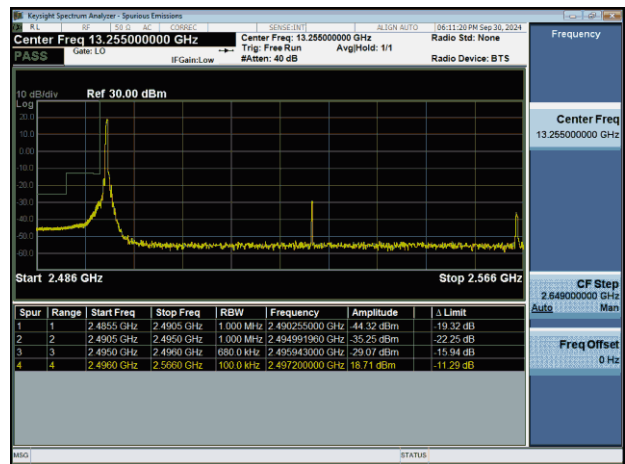
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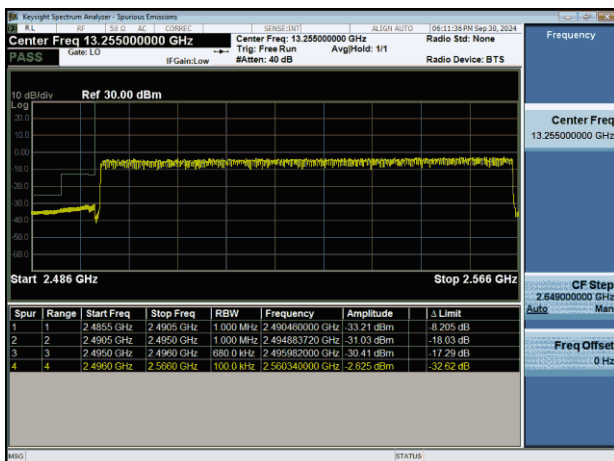
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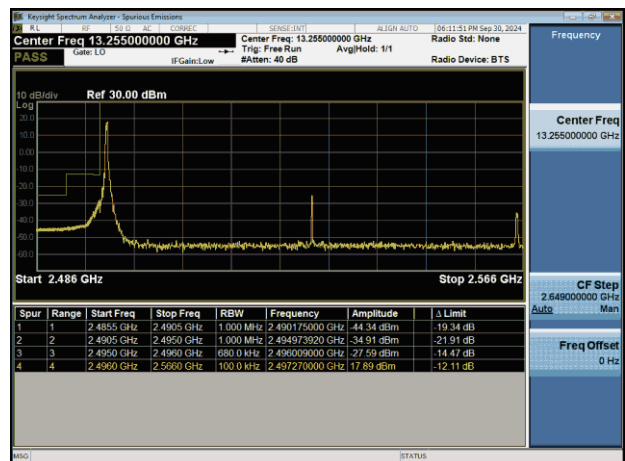
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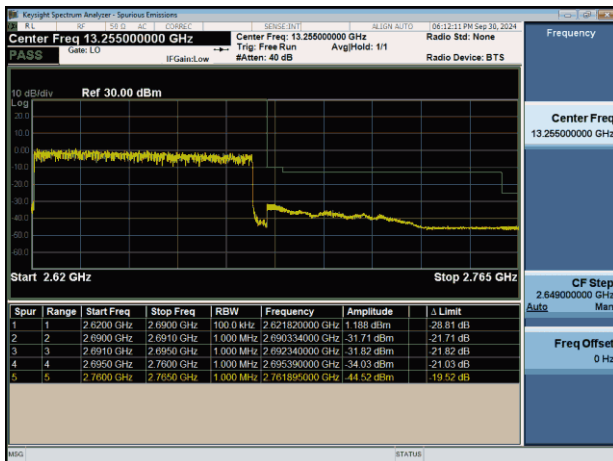
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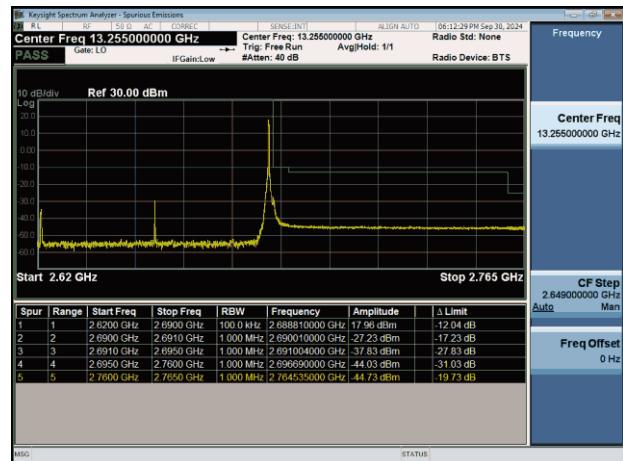
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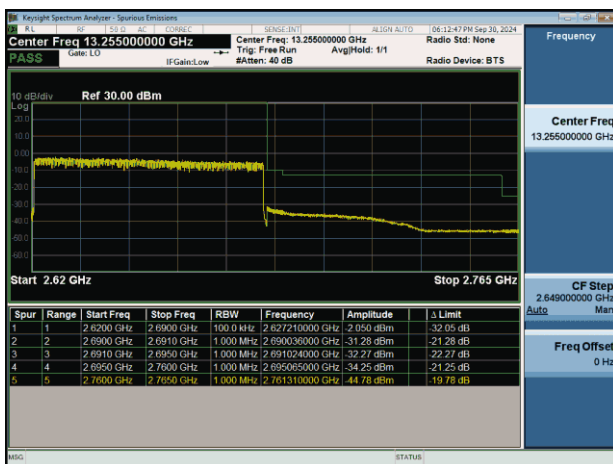
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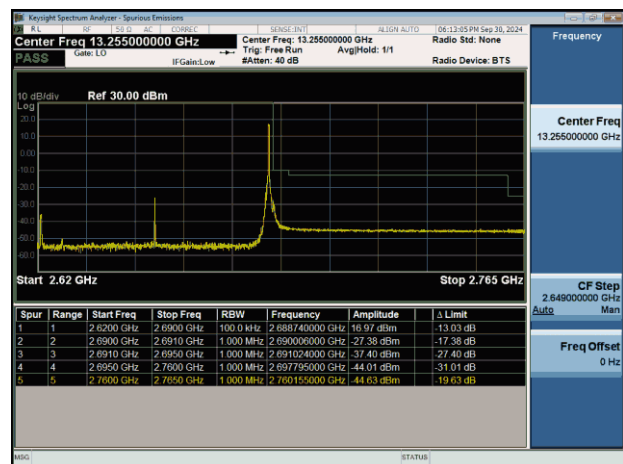
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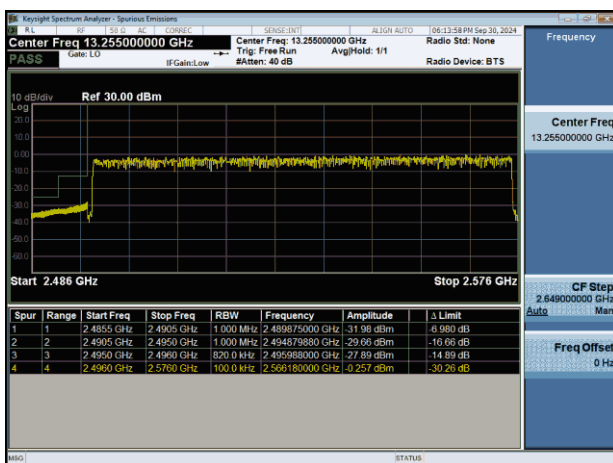
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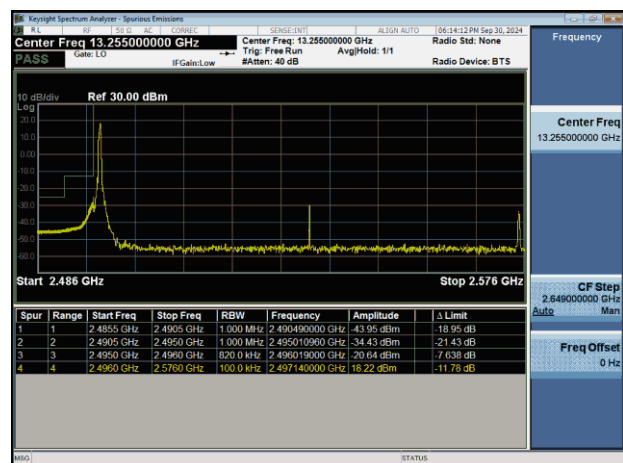
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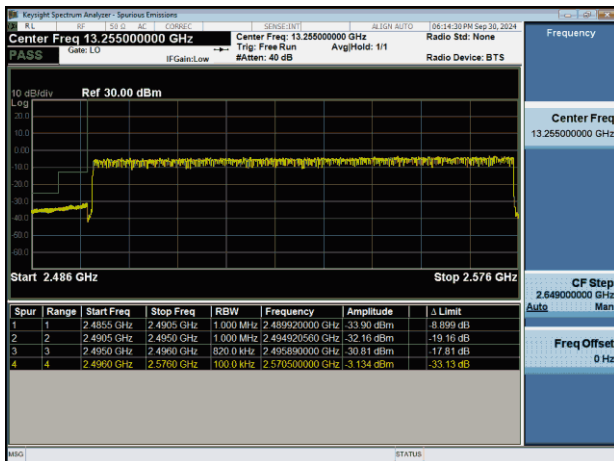
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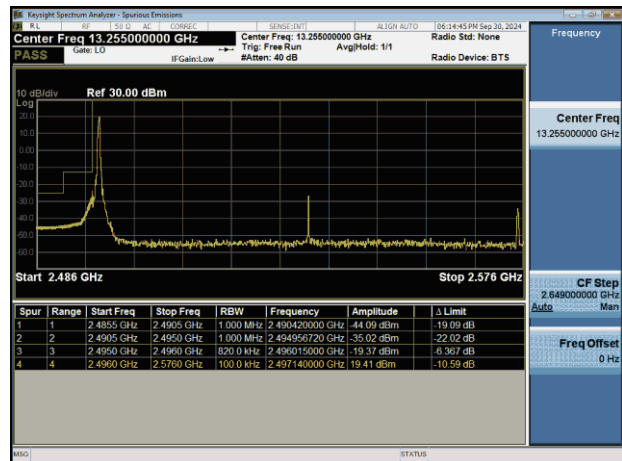
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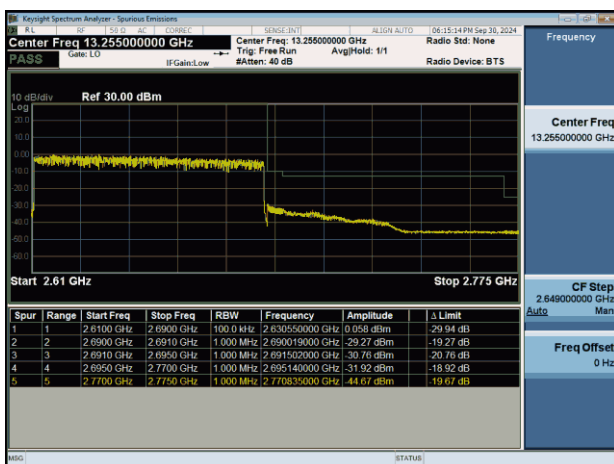
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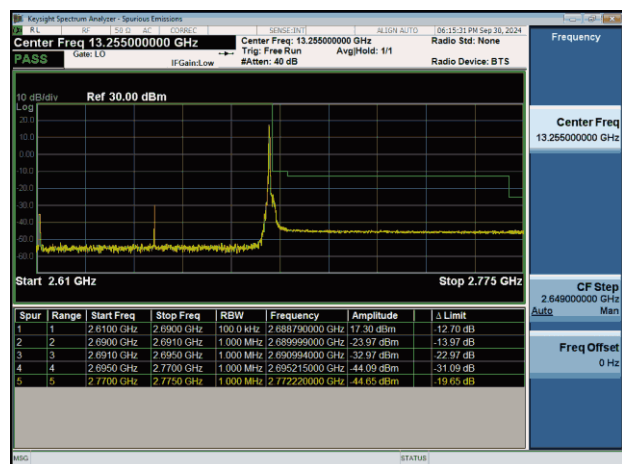
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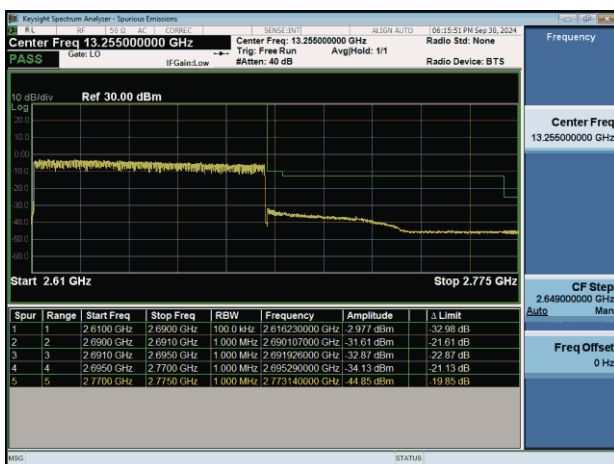
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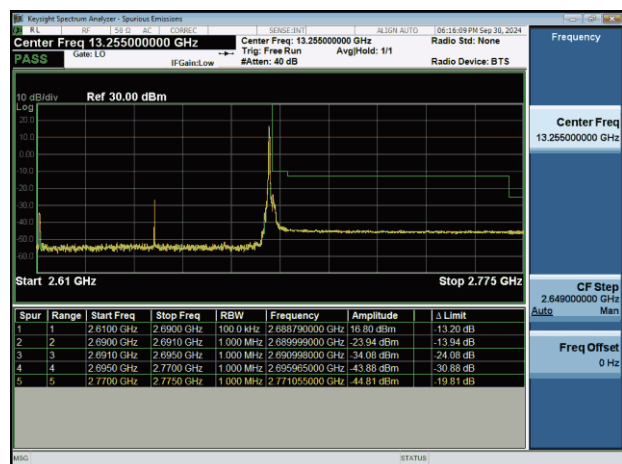
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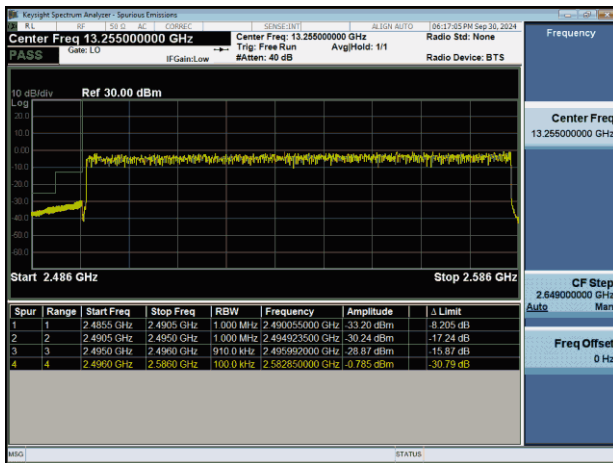
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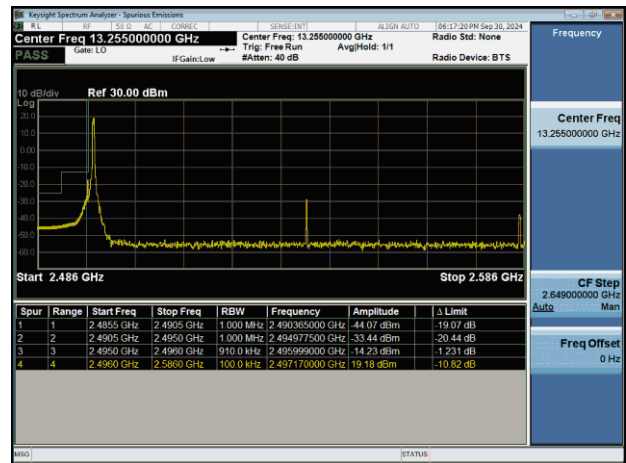
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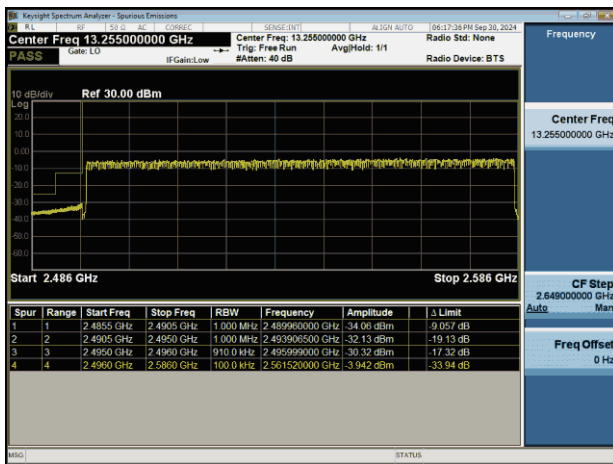
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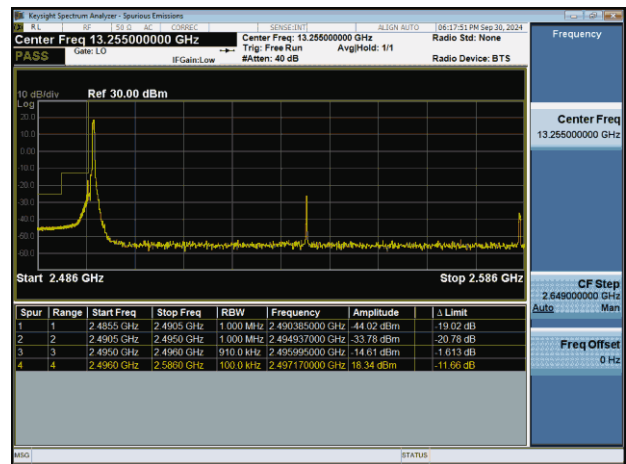
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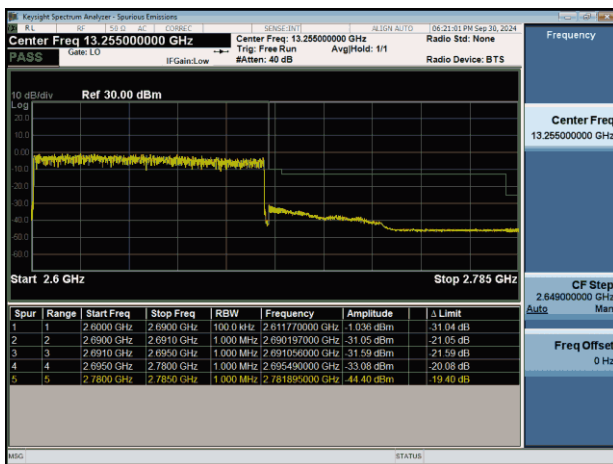
NTNV-n41-PC2-30-90-L-DFT-BPSK-Edge\_1RB\_Left-PASS



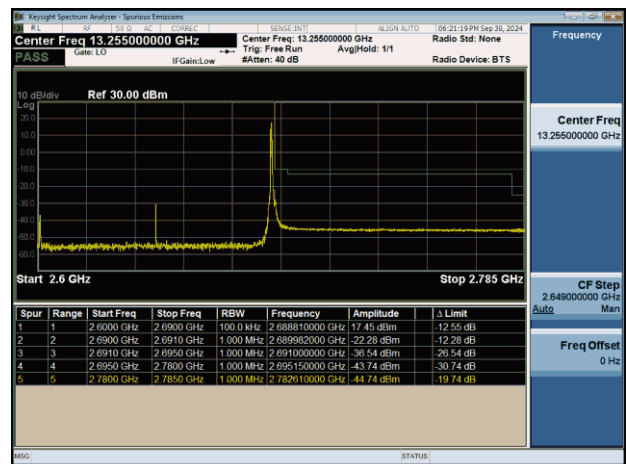
NTNV-n41-PC2-30-90-L-CP-QPSK-Outer\_Full-PASS



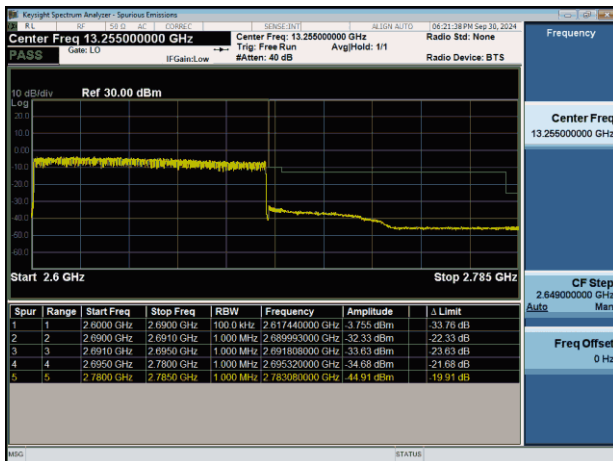
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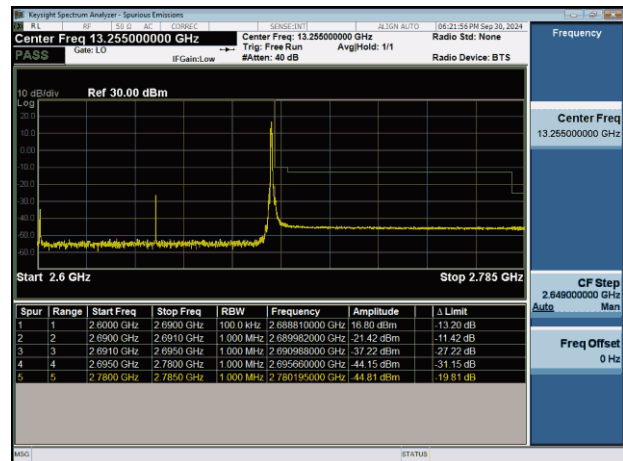
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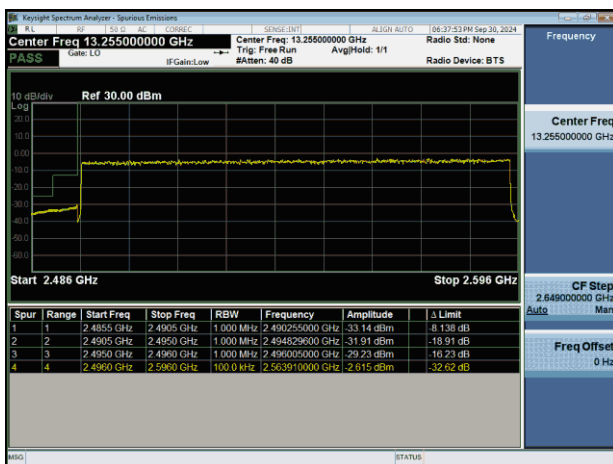
NTNV-n41-PC2-30-90-H-DFT-BPSK-Edge\_1RB\_Right-PASS



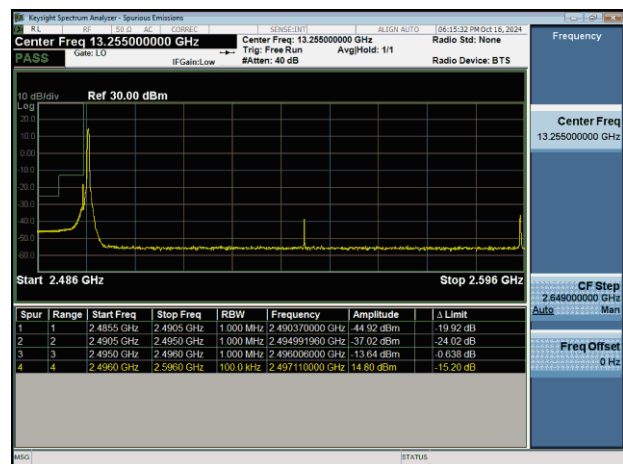
NTNV-n41-PC2-30-90-H-CP-QPSK-Outer\_Full-PASS



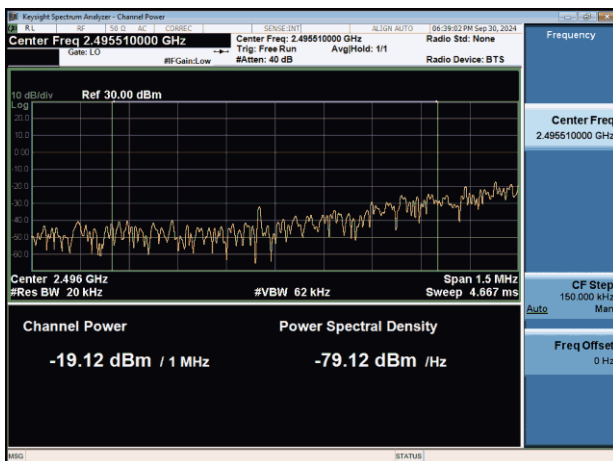
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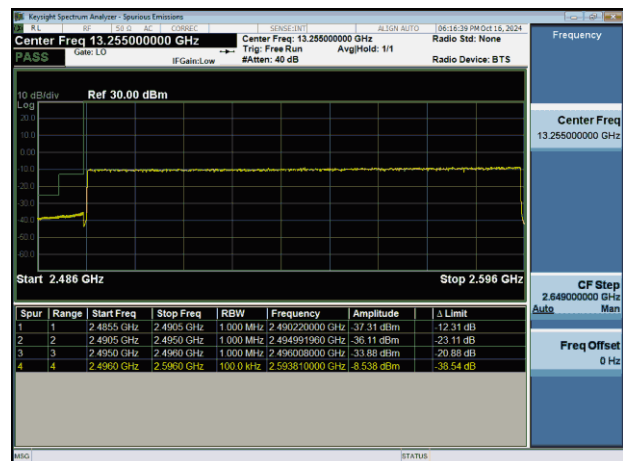
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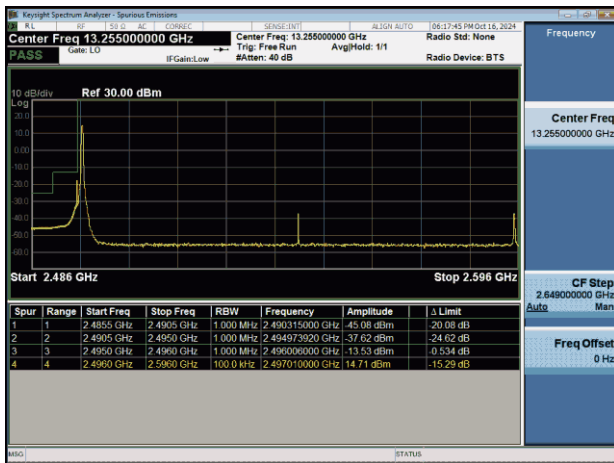
NTNV-n41-PC2-30-100-L-DFT-BPSK-Edge\_1RB\_Left-PASS



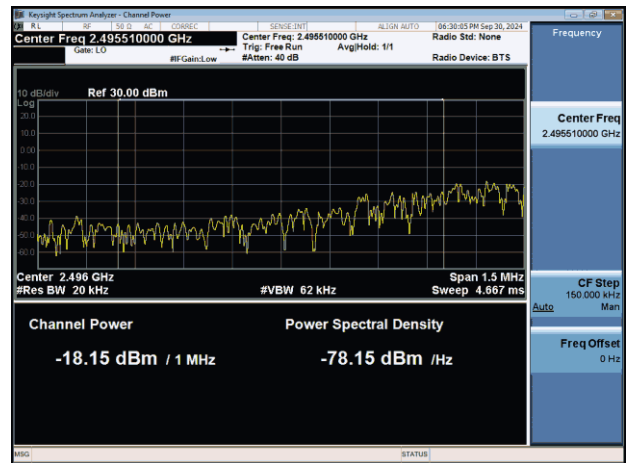
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NTNV-n41-PC2-30-100-L-CP-QPSK-Outer\_Full-PASS



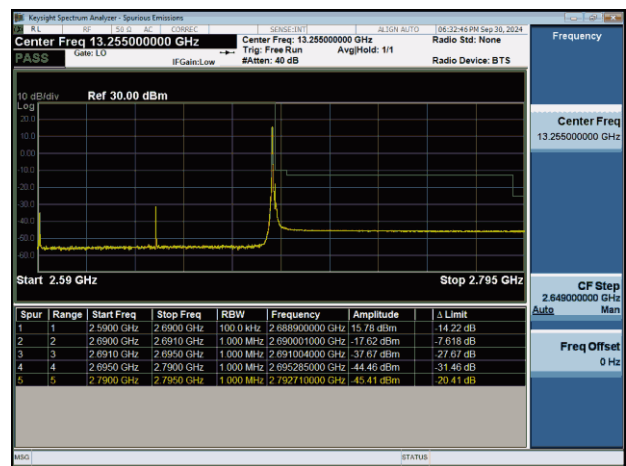
NTNV-n41-PC2-30-100-L-CP-QPSK-Edge\_1RB\_Left-PASS



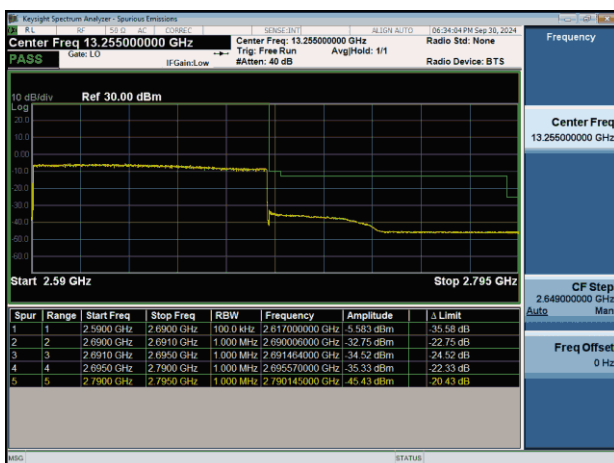
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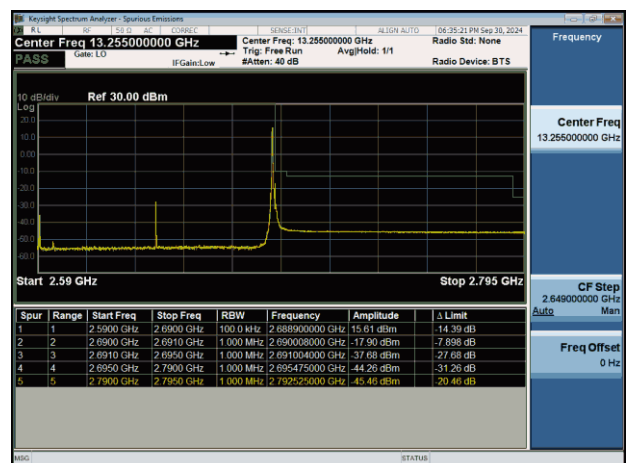
NTNV-n41-PC2-30-100-H-DFT-BPSK-Outer\_Full-PASS



NTNV-n41-PC2-30-100-H-DFT-BPSK-Edge\_1RB\_Right-PASS



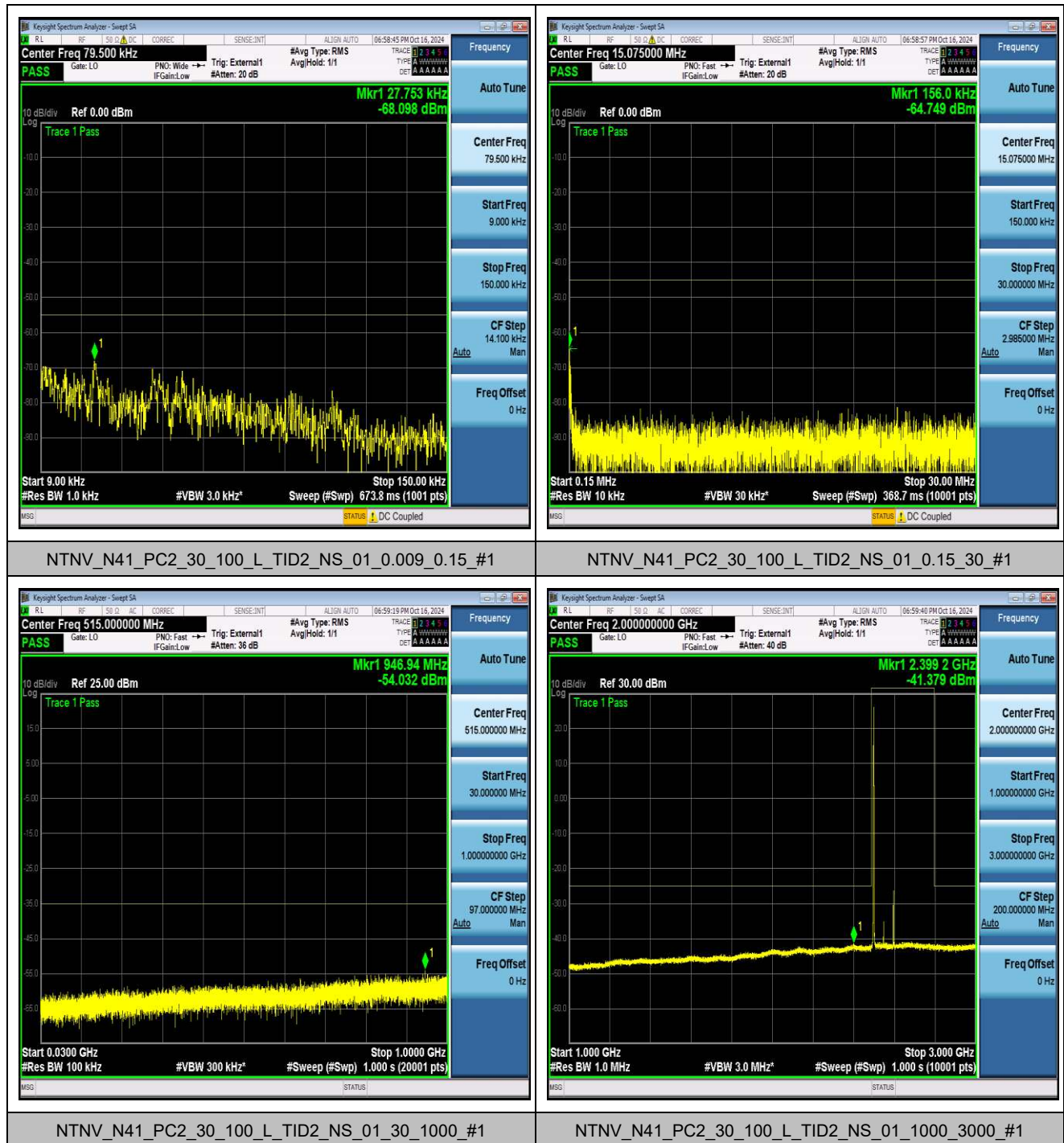
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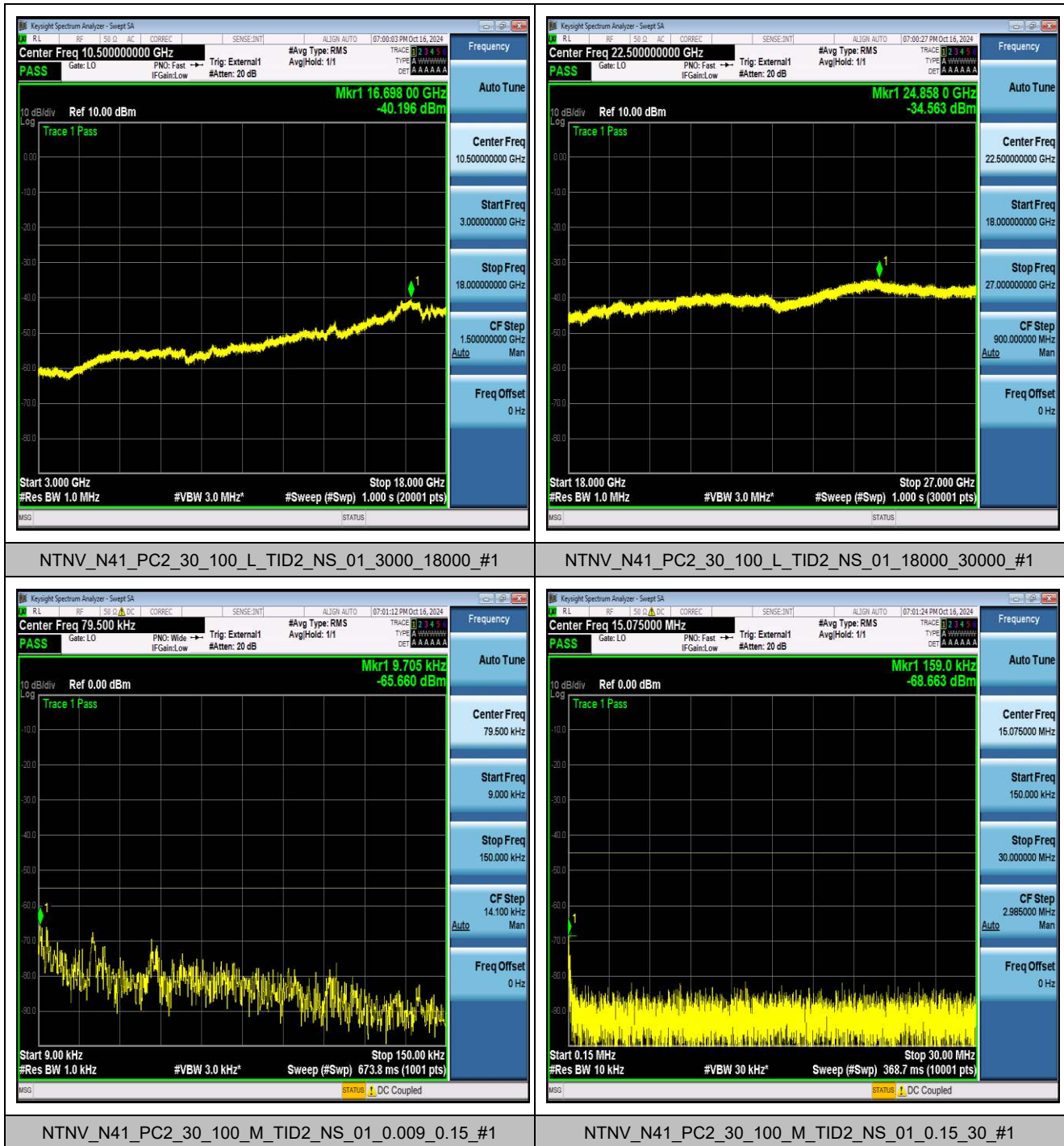


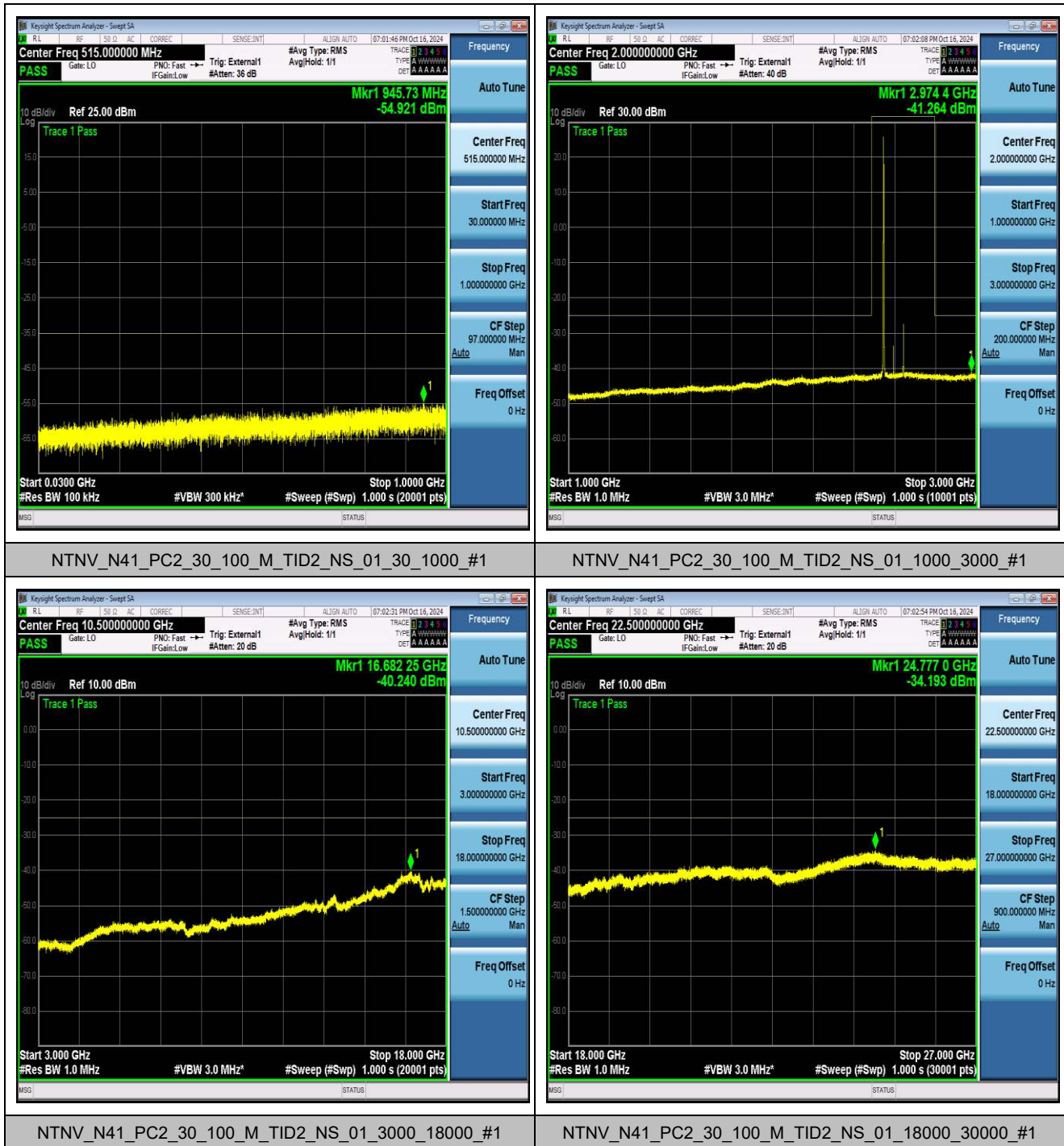
NTNV-n41-PC2-30-100-H-CP-QPSK-Edge\_1RB\_Right-PASS

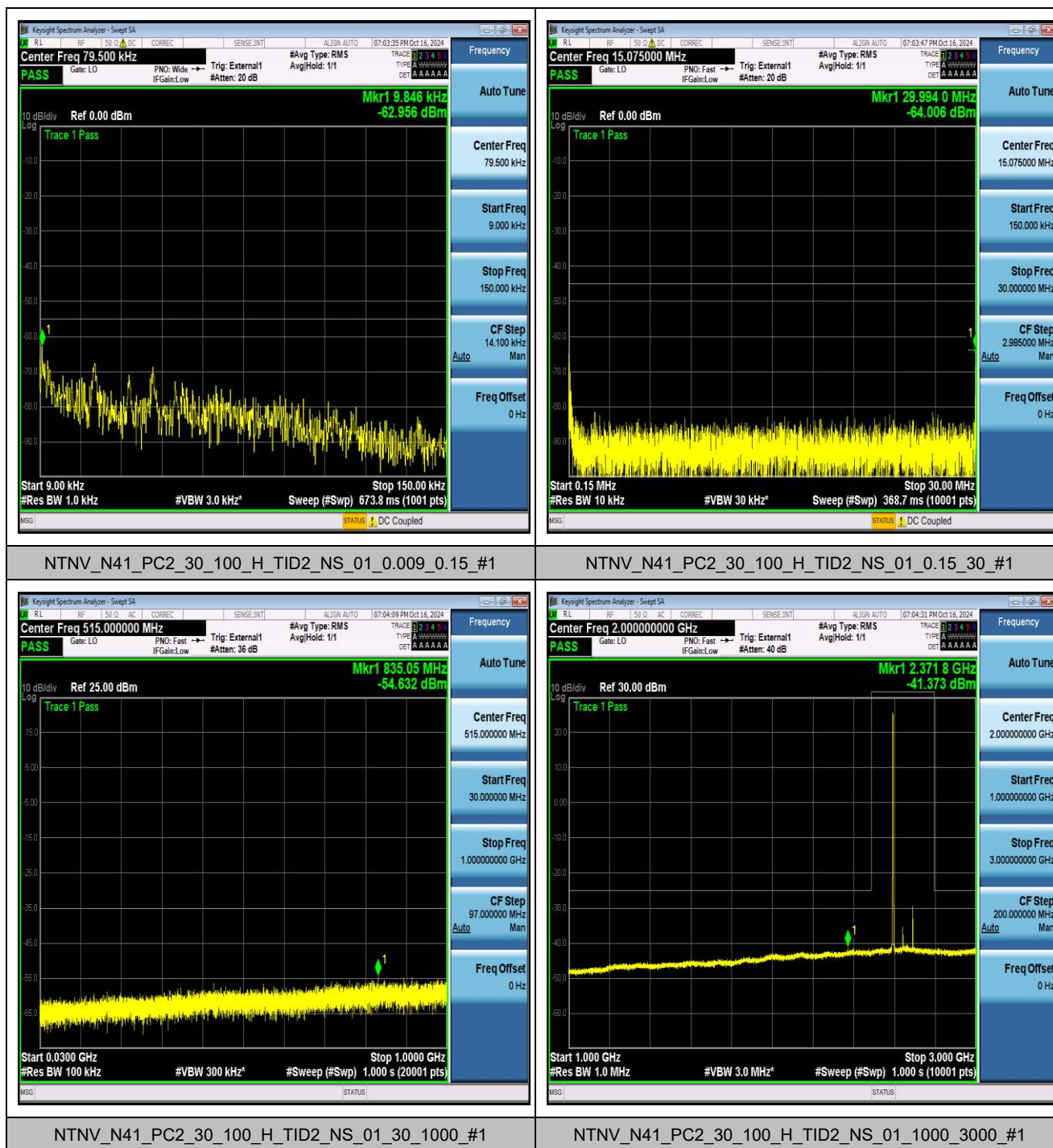
## Conducted Spurious Emission for SA

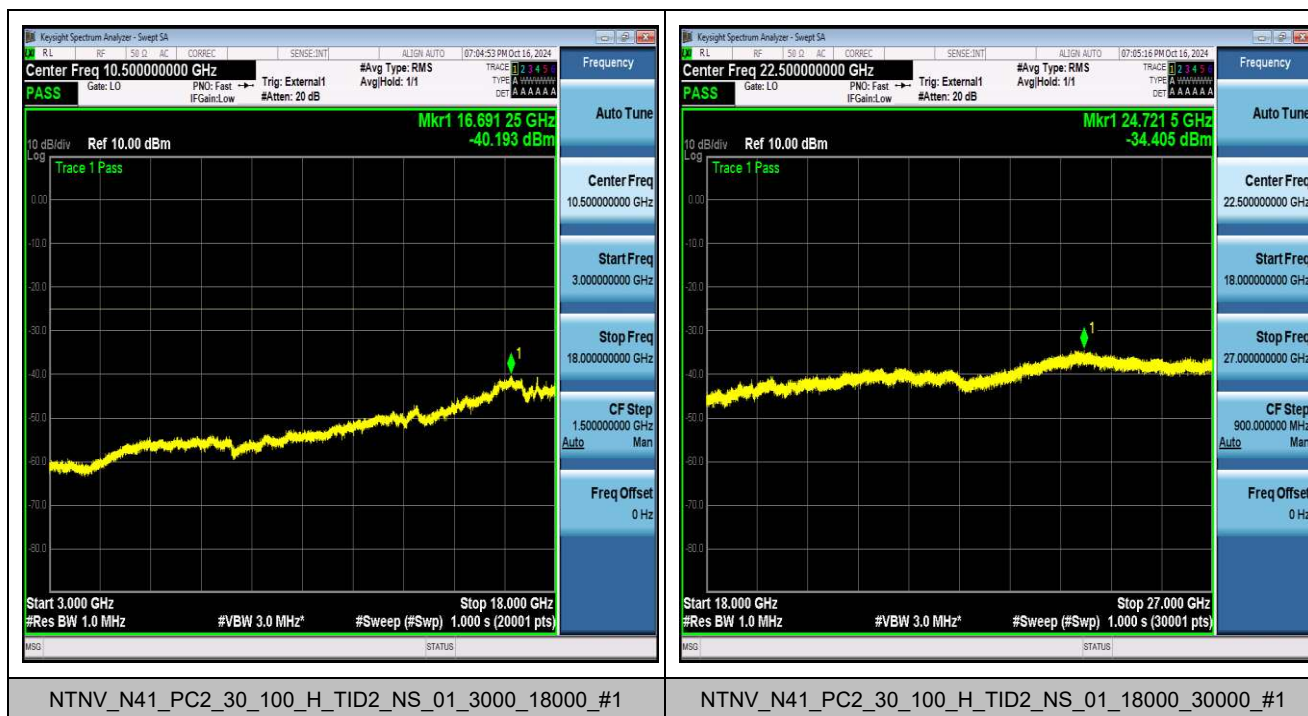
## Test Graphs











## 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 |
| N41     | 30  | 100       | DFT-PI2BPSK | M       | Outer_Full | VL      | NT   | -13.600000     | -0.005245       | PASS    |
| N41     | 30  | 100       | DFT-PI2BPSK | M       | Outer_Full | VN      | NT   | -15.000000     | -0.005785       | PASS    |
| N41     | 30  | 100       | DFT-PI2BPSK | M       | Outer_Full | VH      | NT   | -13.900000     | -0.005361       | PASS    |
| N41     | 30  | 100       | CP-QPSK     | M       | Outer_Full | VL      | NT   | -13.400000     | -0.005168       | PASS    |
| N41     | 30  | 100       | CP-QPSK     | M       | Outer_Full | VN      | NT   | -8.199999      | -0.003162       | PASS    |
| N41     | 30  | 100       | CP-QPSK     | M       | Outer_Full | VH      | NT   | -11.000000     | -0.004242       | PASS    |

#### Frequency Error VS. Temperature

| Temperature |     |           |             |         |            |         |      |                |                 |         |
|-------------|-----|-----------|-------------|---------|------------|---------|------|----------------|-----------------|---------|
| Band        | SCS | Bandwidth | Modulation  | Channel | RB Config  | Voltage | Temp | Deviation (Hz) | Deviation (ppm) | Verdict |
| N41         | 30  | 100       | DFT-PI2BPSK | M       | Outer_Full | NV      | -30  | -13.000000     | -0.005014       | PASS    |
| N41         | 30  | 100       | DFT-PI2BPSK | M       | Outer_Full | NV      | -20  | -12.900000     | -0.004975       | PASS    |
| N41         | 30  | 100       | DFT-PI2BPSK | M       | Outer_Full | NV      | -10  | -16.600000     | -0.006402       | PASS    |
| N41         | 30  | 100       | DFT-PI2BPSK | M       | Outer_Full | NV      | 0    | -12.300000     | -0.004744       | PASS    |
| N41         | 30  | 100       | DFT-PI2BPSK | M       | Outer_Full | NV      | 10   | -8.000000      | -0.003085       | PASS    |
| N41         | 30  | 100       | DFT-PI2BPSK | M       | Outer_Full | NV      | 20   | -16.800000     | -0.006479       | PASS    |
| N41         | 30  | 100       | DFT-PI2BPSK | M       | Outer_Full | NV      | 30   | -14.000000     | -0.005399       | PASS    |
| N41         | 30  | 100       | DFT-PI2BPSK | M       | Outer_Full | NV      | 40   | -11.400000     | -0.004396       | PASS    |
| N41         | 30  | 100       | DFT-PI2BPSK | M       | Outer_Full | NV      | 50   | -13.900000     | -0.005361       | PASS    |
| N41         | 30  | 100       | CP-QPSK     | M       | Outer_Full | NV      | -30  | -8.500000      | -0.003278       | PASS    |
| N41         | 30  | 100       | CP-QPSK     | M       | Outer_Full | NV      | -20  | -12.000000     | -0.004628       | PASS    |
| N41         | 30  | 100       | CP-QPSK     | M       | Outer_Full | NV      | -10  | -5.400000      | -0.002083       | PASS    |
| N41         | 30  | 100       | CP-QPSK     | M       | Outer_Full | NV      | 0    | -12.700000     | -0.004898       | PASS    |
| N41         | 30  | 100       | CP-QPSK     | M       | Outer_Full | NV      | 10   | -9.700000      | -0.003741       | PASS    |
| N41         | 30  | 100       | CP-QPSK     | M       | Outer_Full | NV      | 20   | -9.700000      | -0.003741       | PASS    |
| N41         | 30  | 100       | CP-QPSK     | M       | Outer_Full | NV      | 30   | -14.300000     | -0.005515       | PASS    |
| N41         | 30  | 100       | CP-QPSK     | M       | Outer_Full | NV      | 40   | -19.000000     | -0.007327       | PASS    |
| N41         | 30  | 100       | CP-QPSK     | M       | Outer_Full | NV      | 50   | -14.800000     | -0.005708       | PASS    |

~The End~