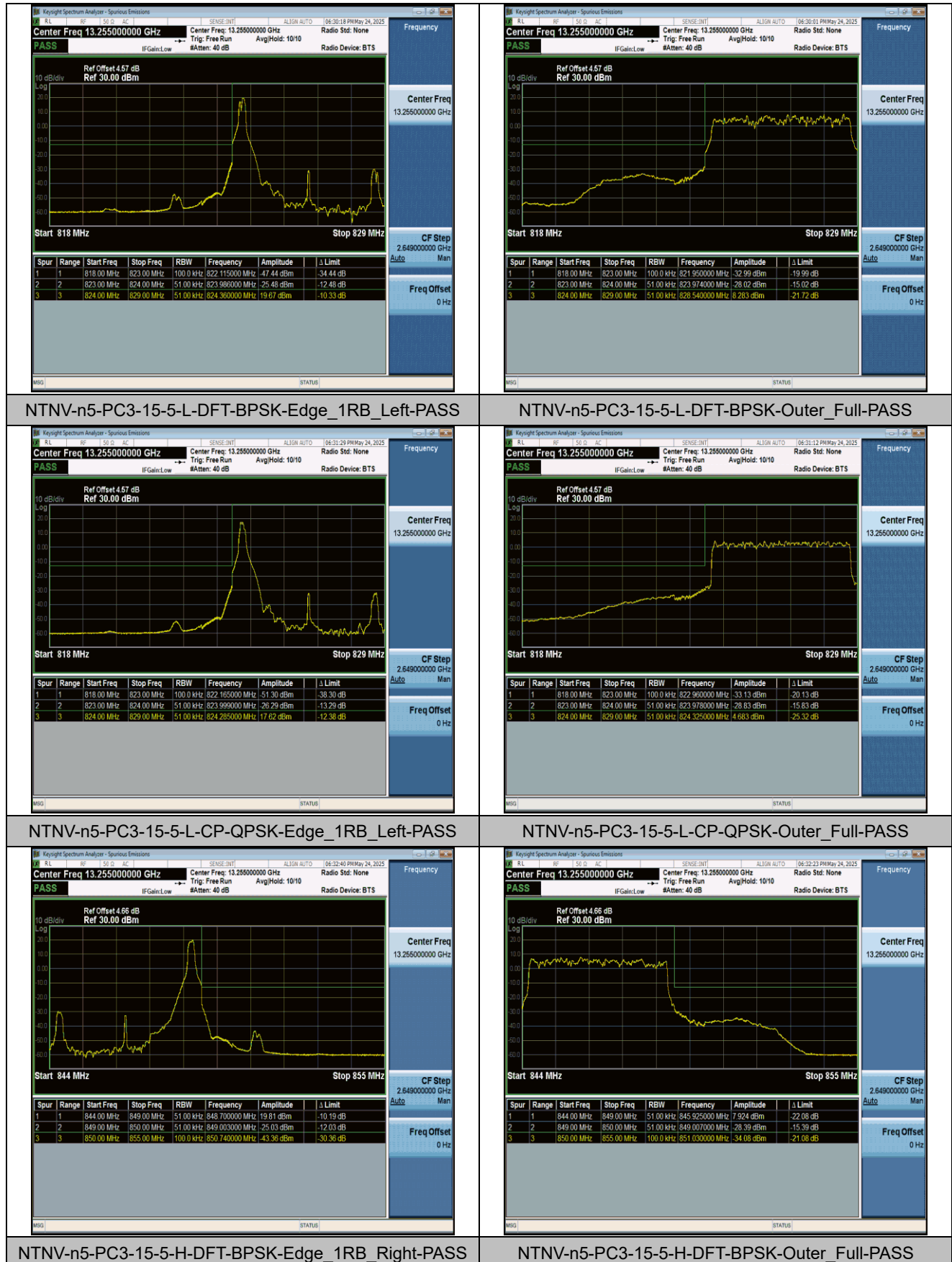
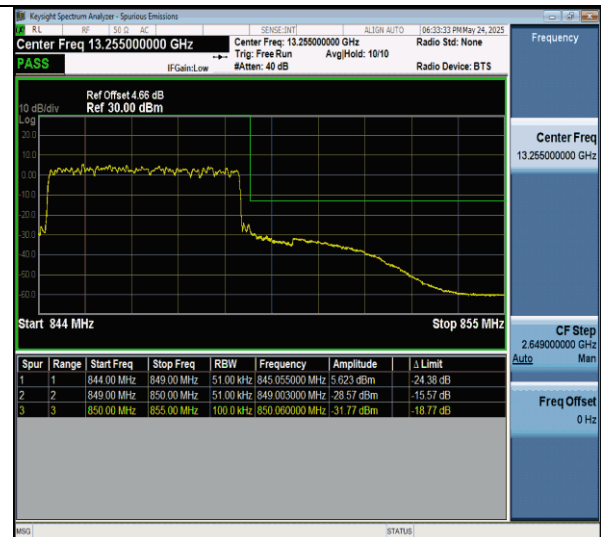


## Band Edge for SA

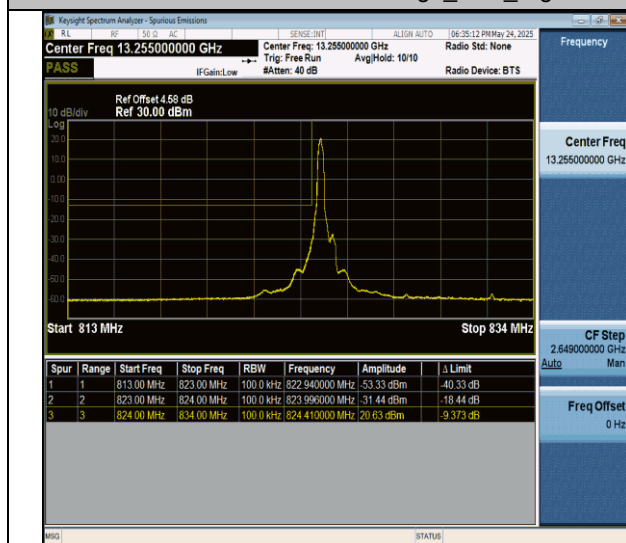
## Test Graphs





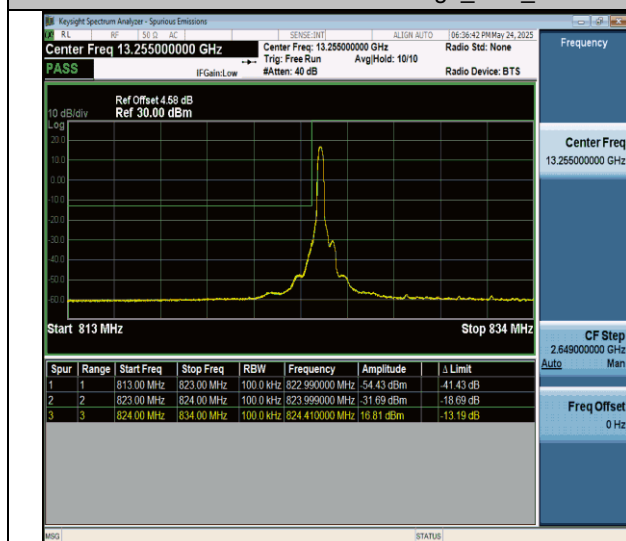
NTVN-n5-PC3-15-5-H-CP-QPSK-Edge\_1RB\_Right-PASS

NTVN-n5-PC3-15-5-H-CP-QPSK-Outer\_Full-PASS



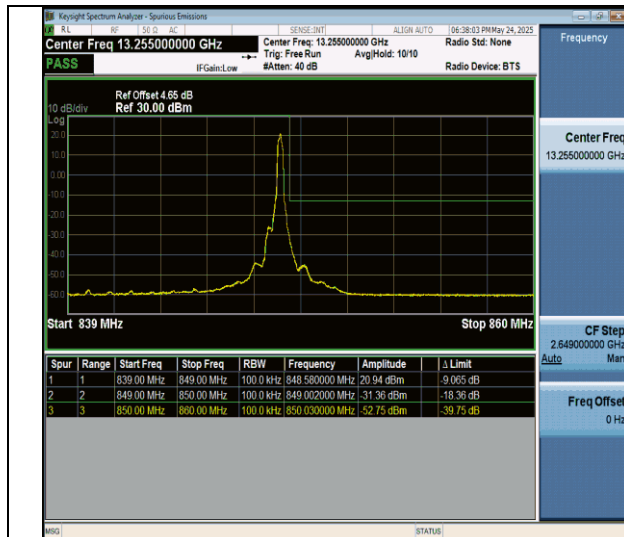
NTVN-n5-PC3-15-10-L-DFT-BPSK-Edge\_1RB\_Left-PASS

NTVN-n5-PC3-15-10-L-DFT-BPSK-Outer\_Full-PASS



NTVN-n5-PC3-15-10-L-CP-QPSK-Edge\_1RB\_Left-PASS

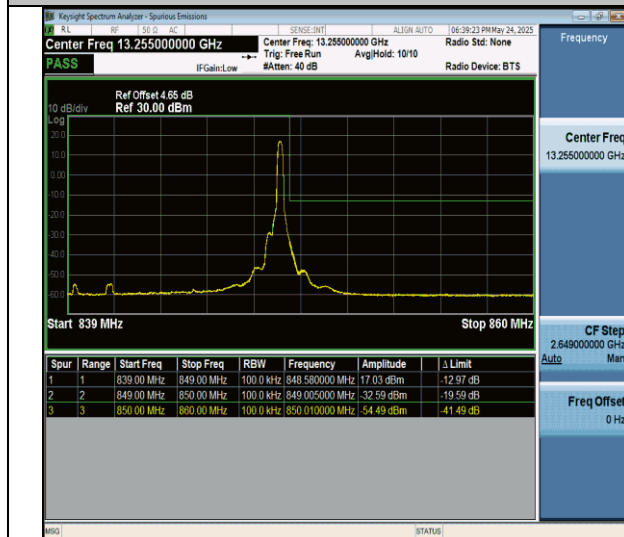
NTVN-n5-PC3-15-10-L-CP-QPSK-Outer\_Full-PASS



NTNV-n5-PC3-15-10-H-DFT-BPSK-Edge\_1RB\_Right-PASS



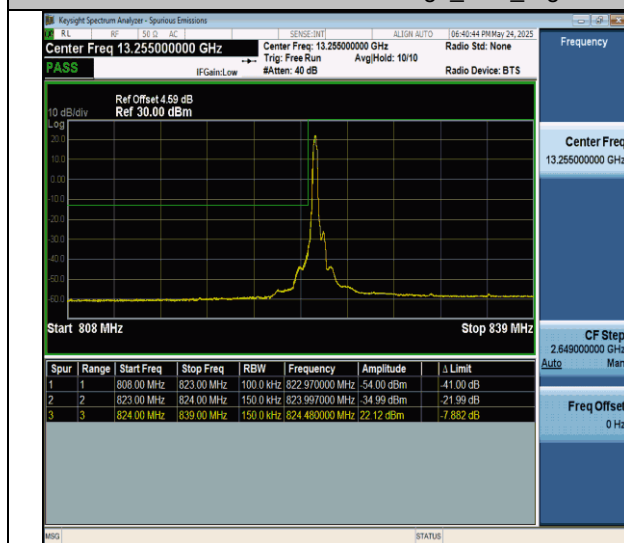
NTNV-n5-PC3-15-10-H-DFT-BPSK-Outer\_Full-PASS



NTNV-n5-PC3-15-10-H-CP-QPSK-Edge\_1RB\_Right-PASS



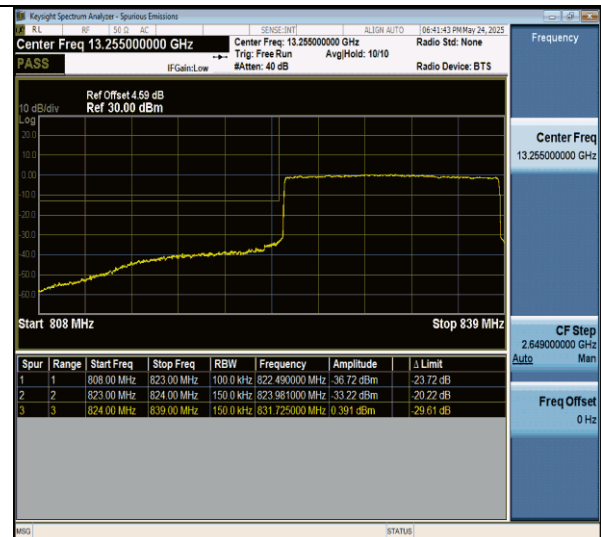
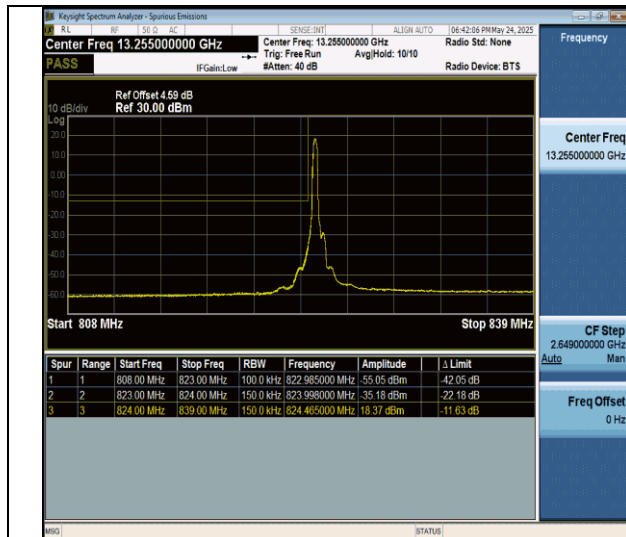
NTNV-n5-PC3-15-10-H-CP-QPSK-Outer\_Full-PASS



NTNV-n5-PC3-15-15-L-DFT-BPSK-Edge\_1RB\_Left-PASS

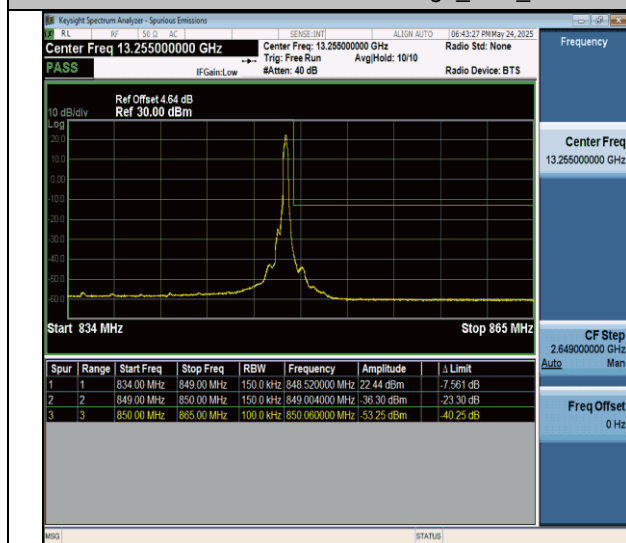


NTNV-n5-PC3-15-15-L-DFT-BPSK-Outer\_Full-PASS



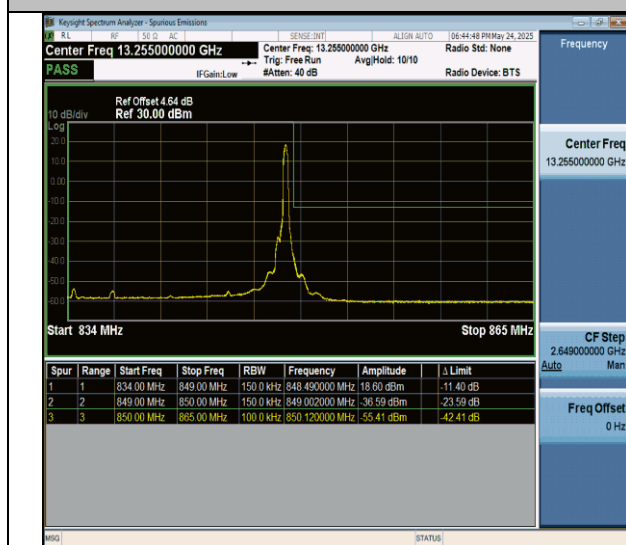
NTNV-n5-PC3-15-15-L-CP-QPSK-Edge\_1RB\_Left-PASS

NTNV-n5-PC3-15-15-L-CP-QPSK-Outer\_Full-PASS



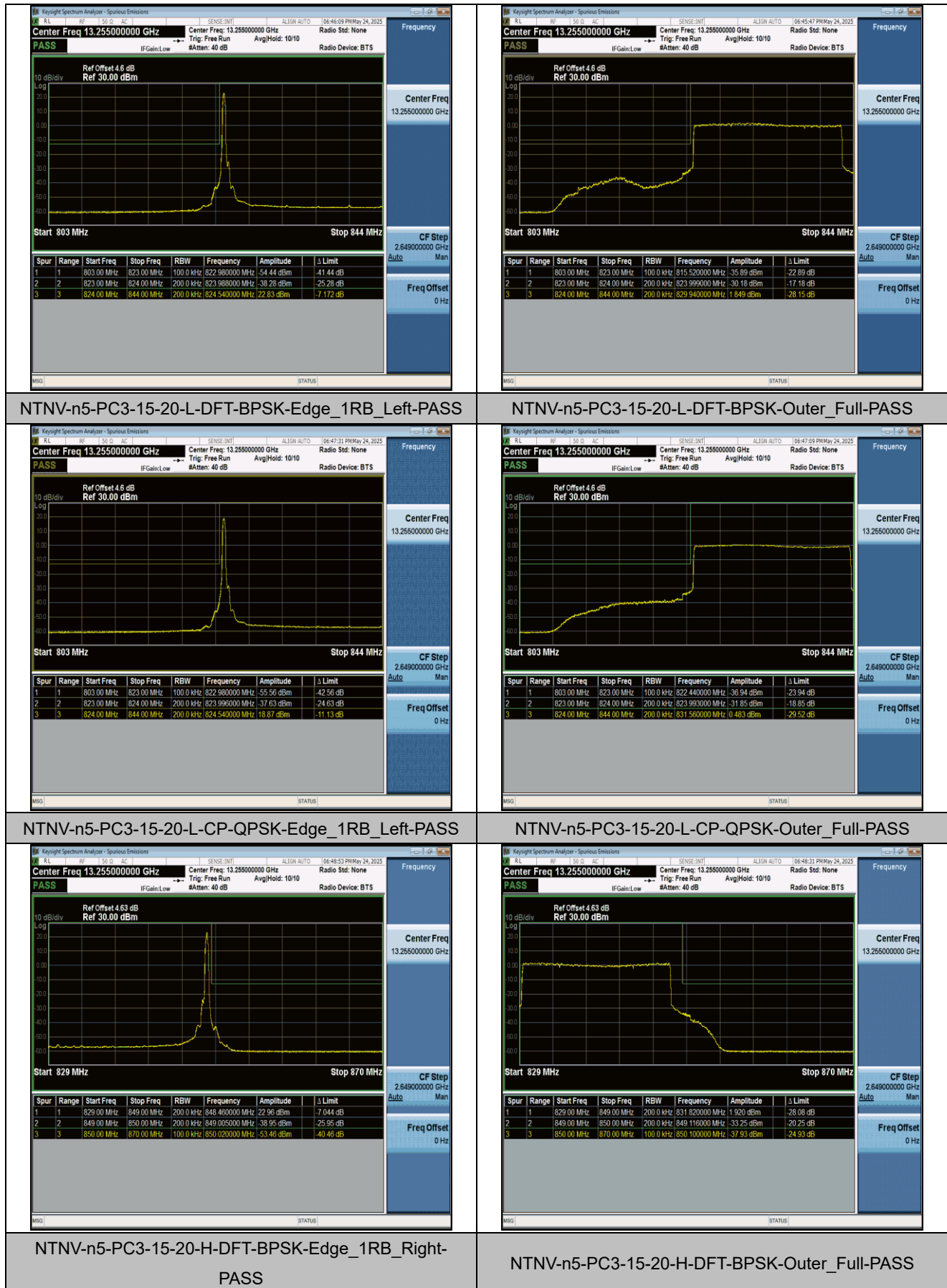
NTNV-n5-PC3-15-15-H-DFT-BPSK-Edge\_1RB\_Right-PASS

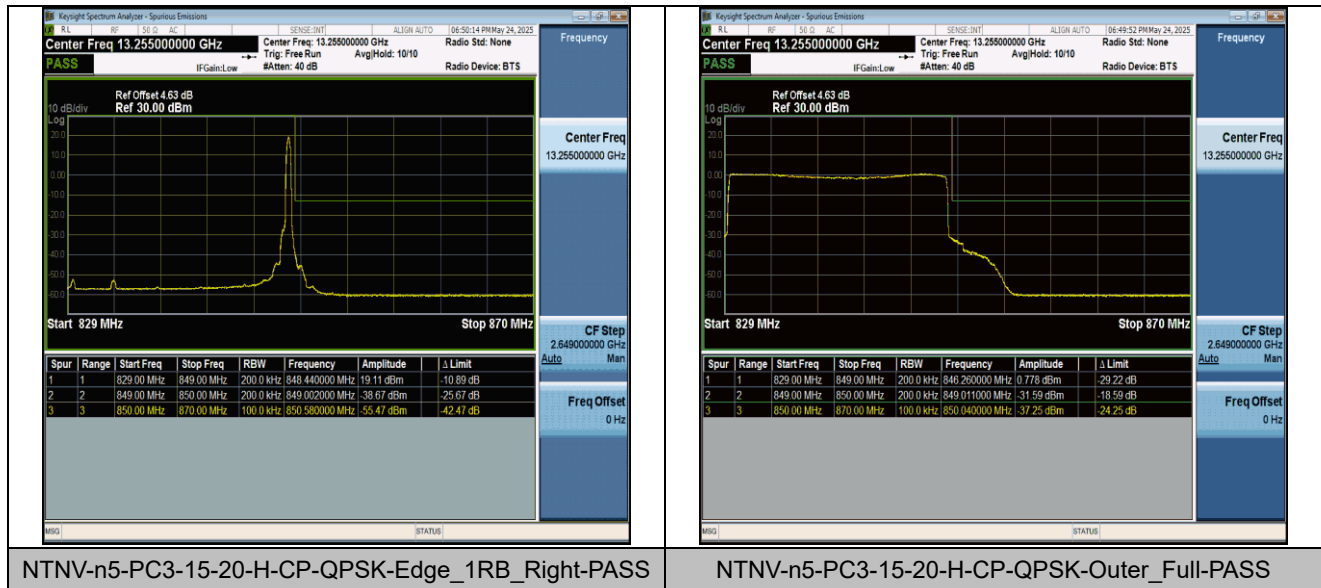
NTNV-n5-PC3-15-15-H-DFT-BPSK-Outer\_Full-PASS



NTNV-n5-PC3-15-15-H-CP-QPSK-Edge\_1RB\_Right-PASS

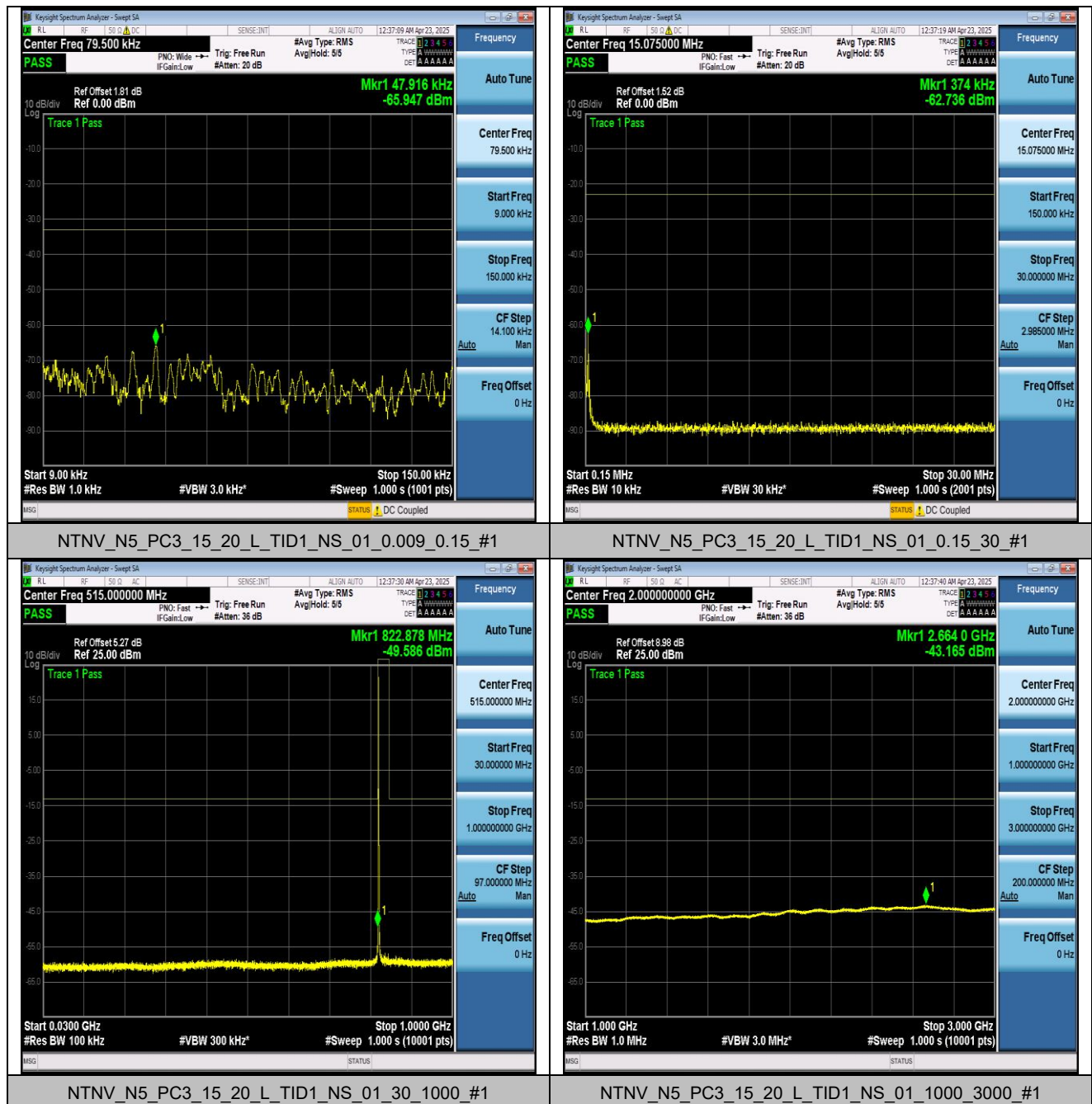
NTNV-n5-PC3-15-15-H-CP-QPSK-Outer\_Full-PASS

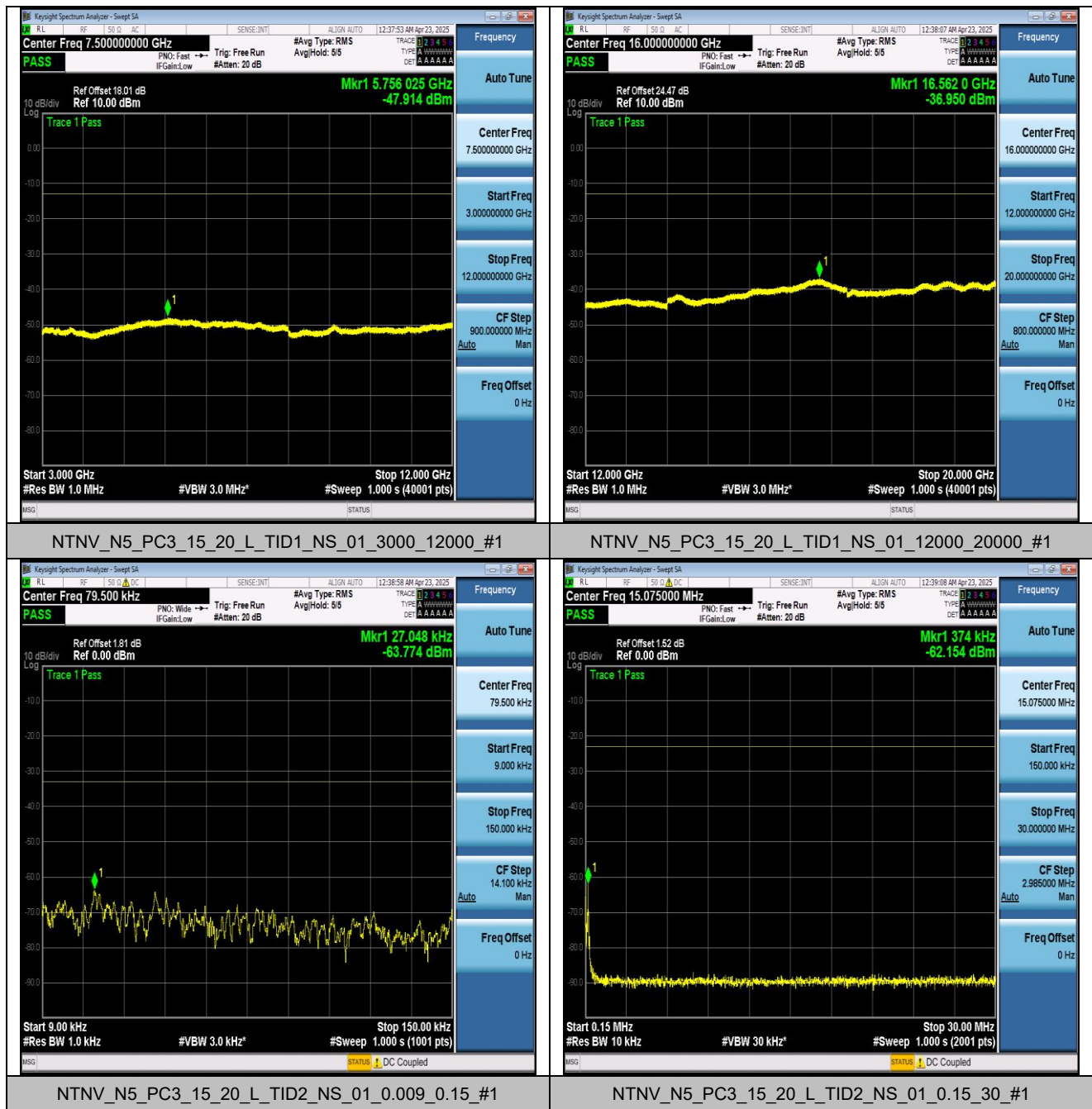


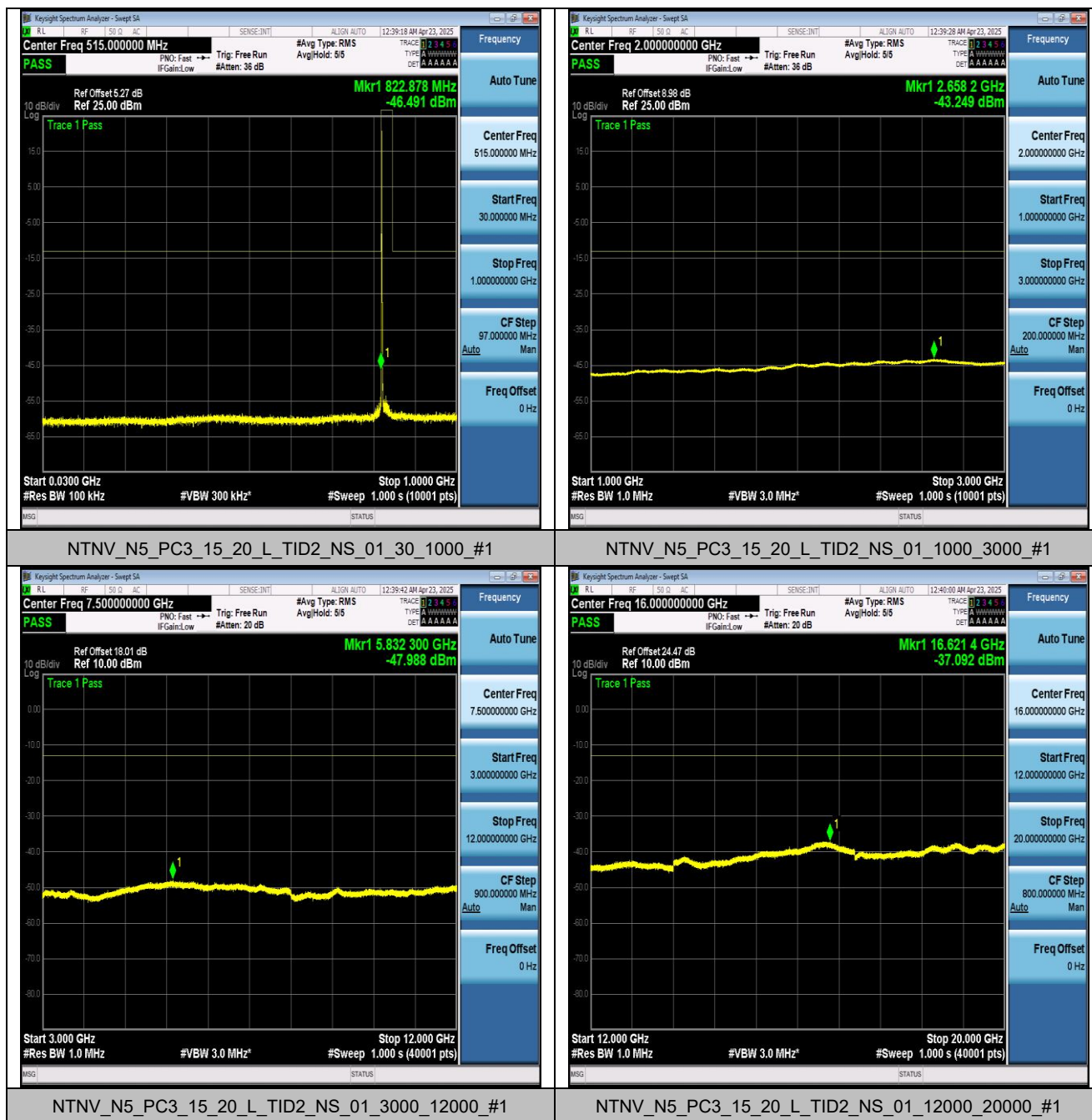


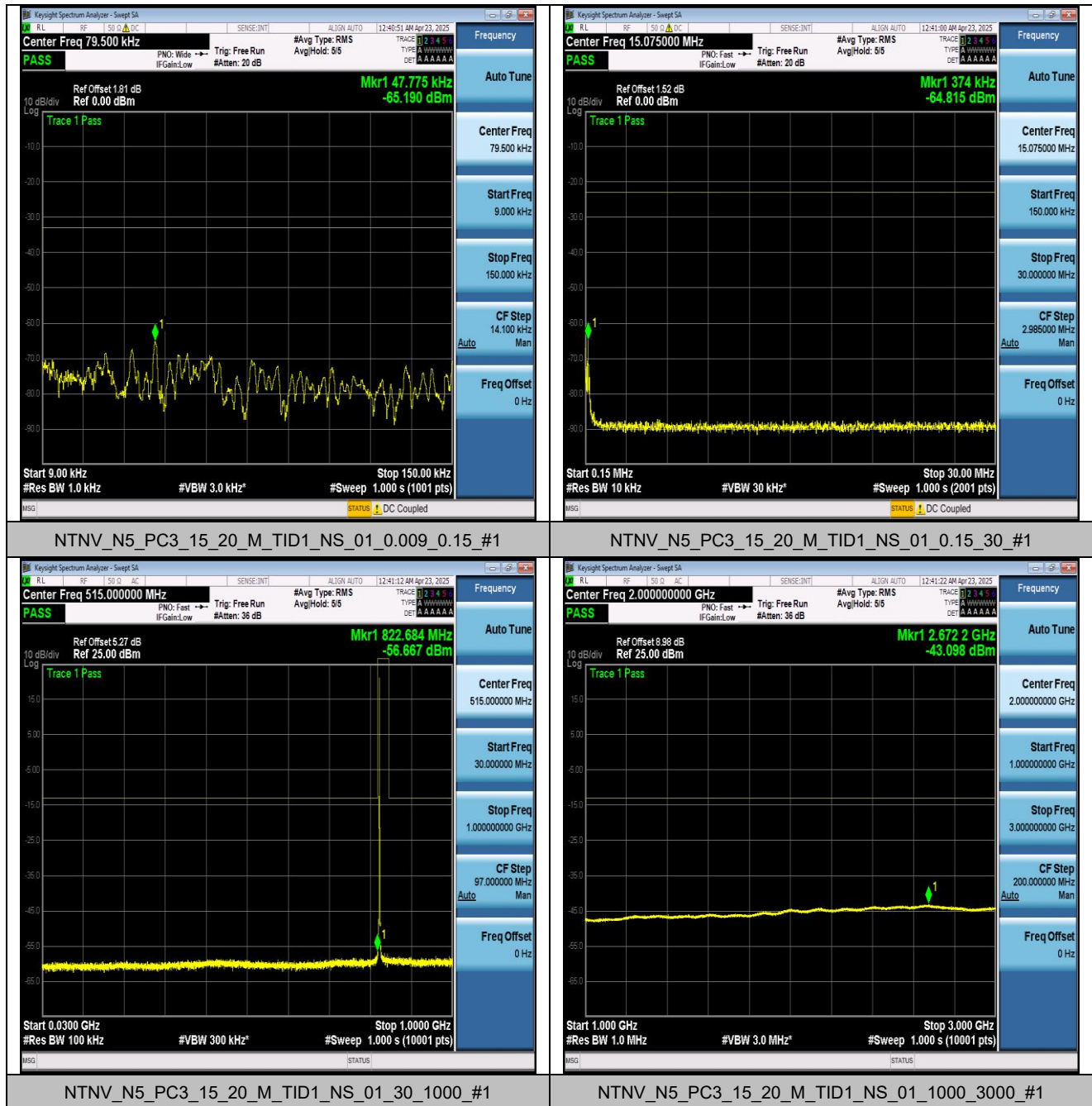
# Conducted Spurious Emission for SA

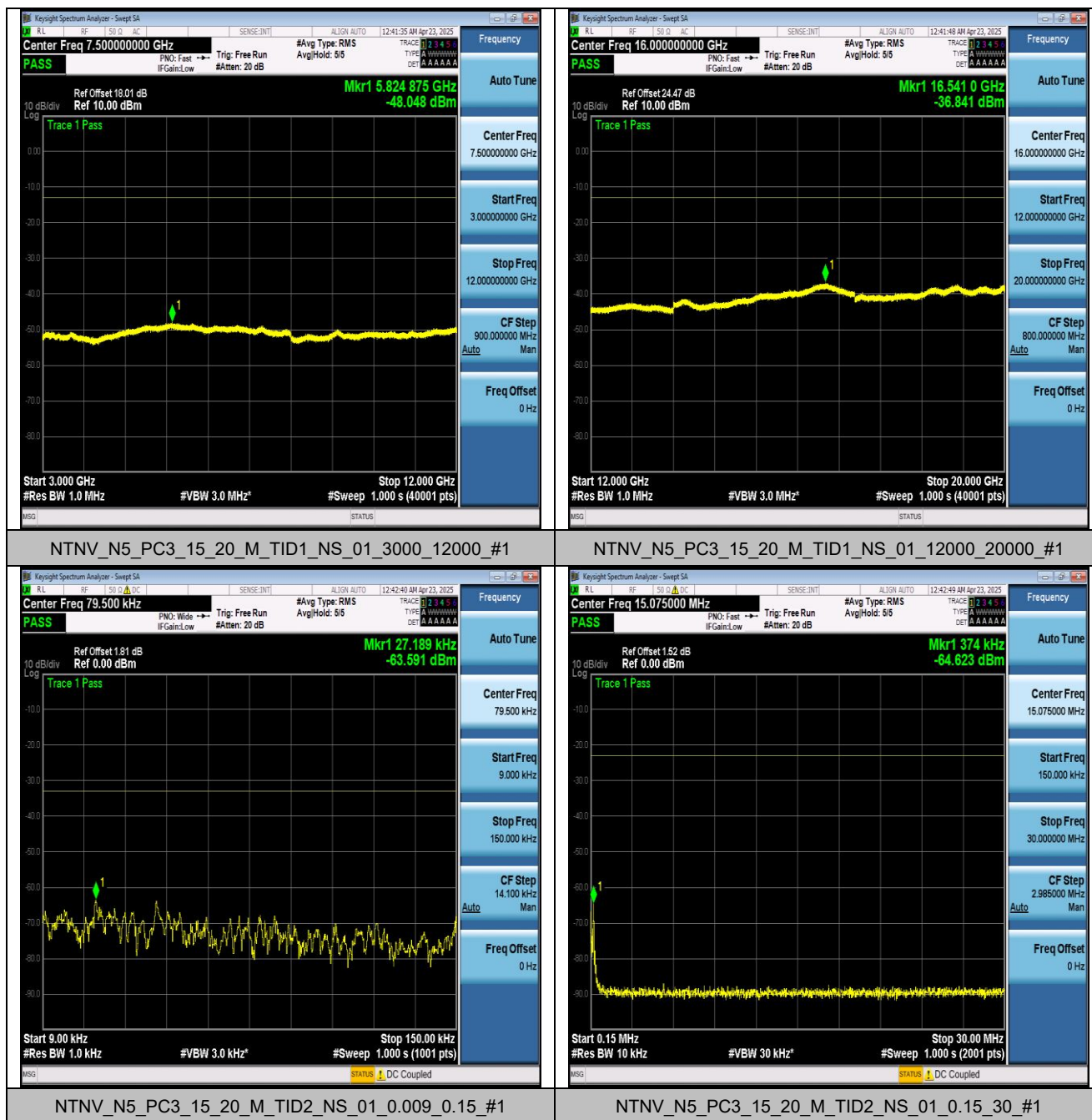
## Test Graphs

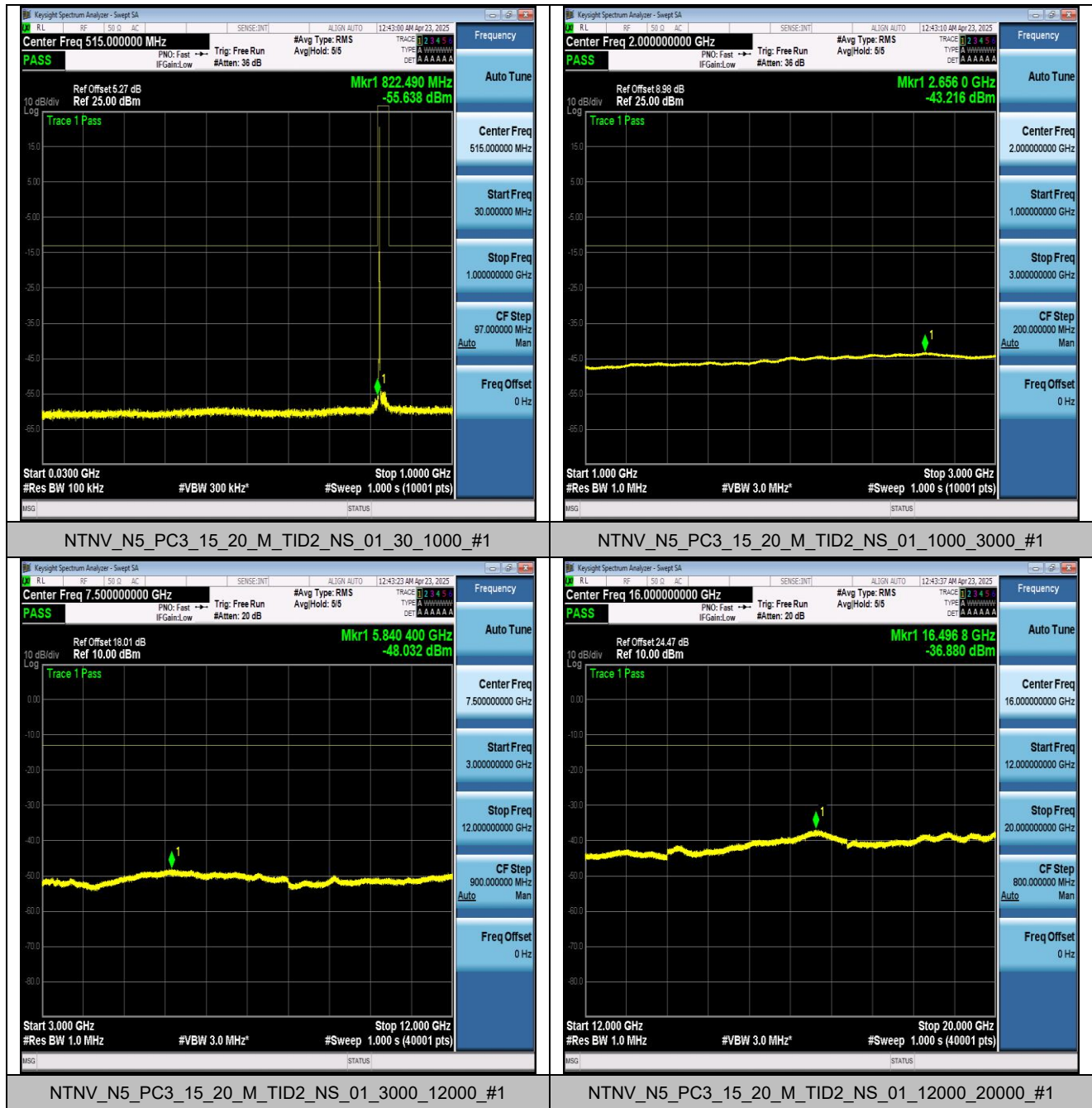


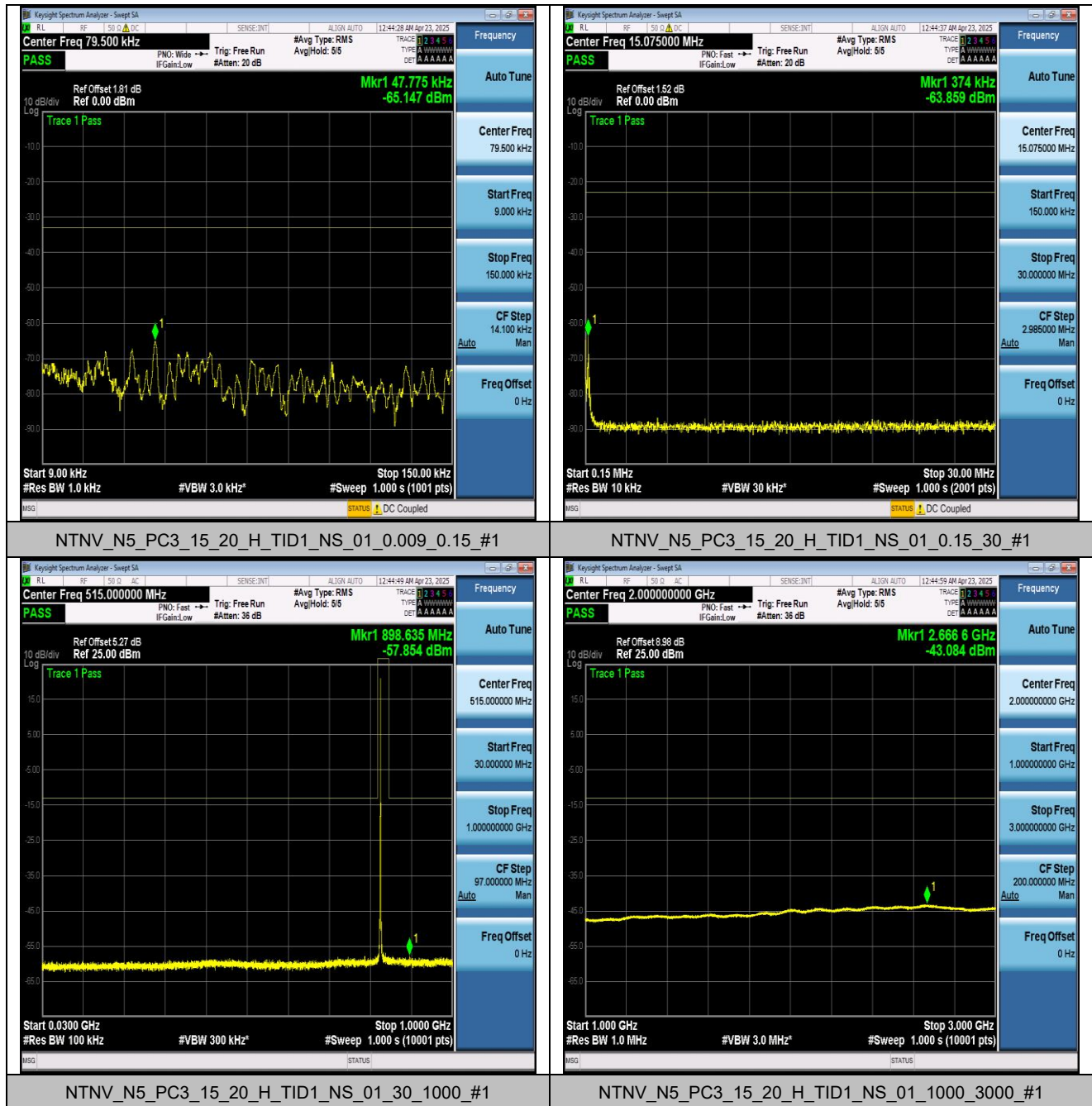


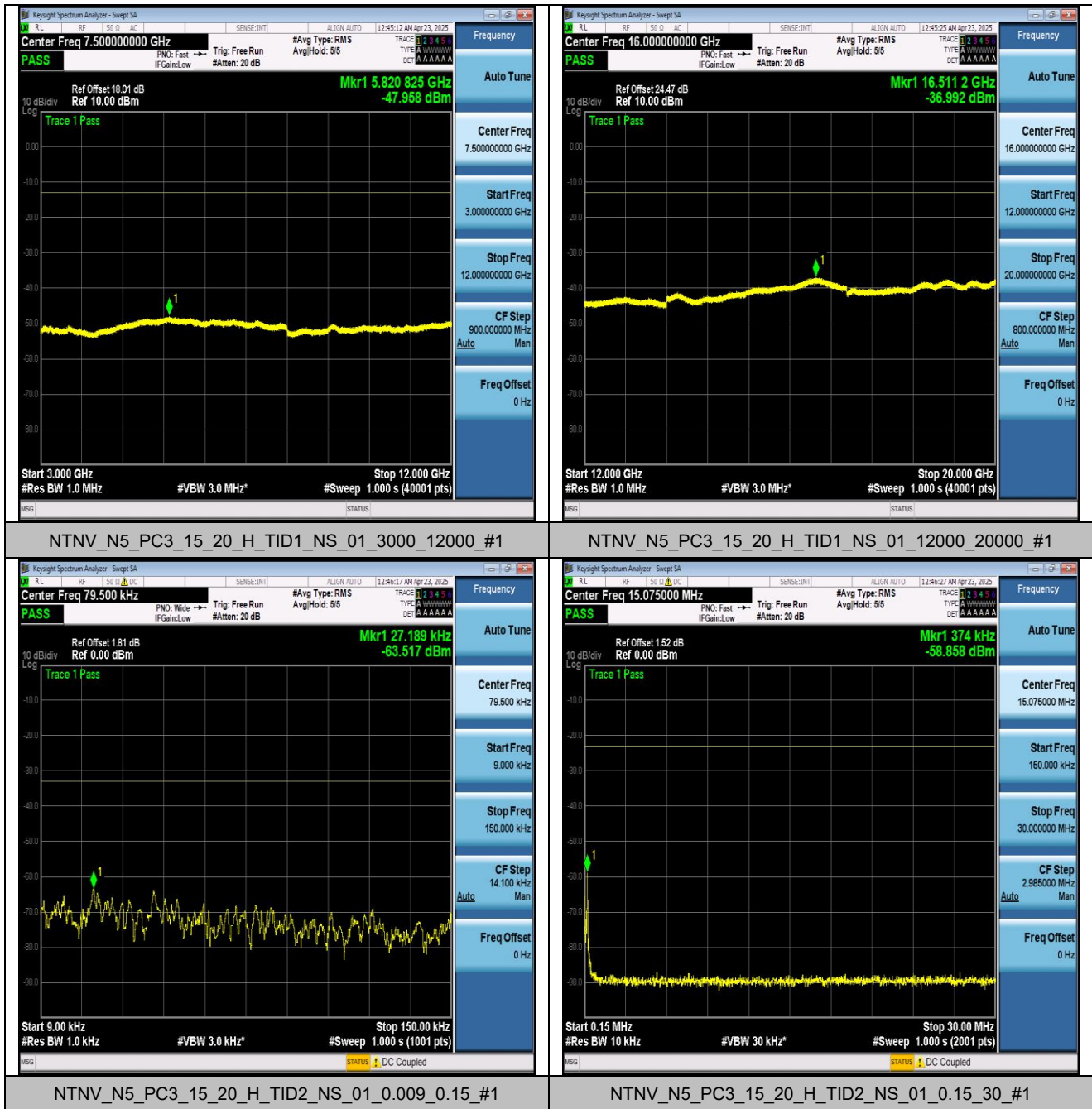


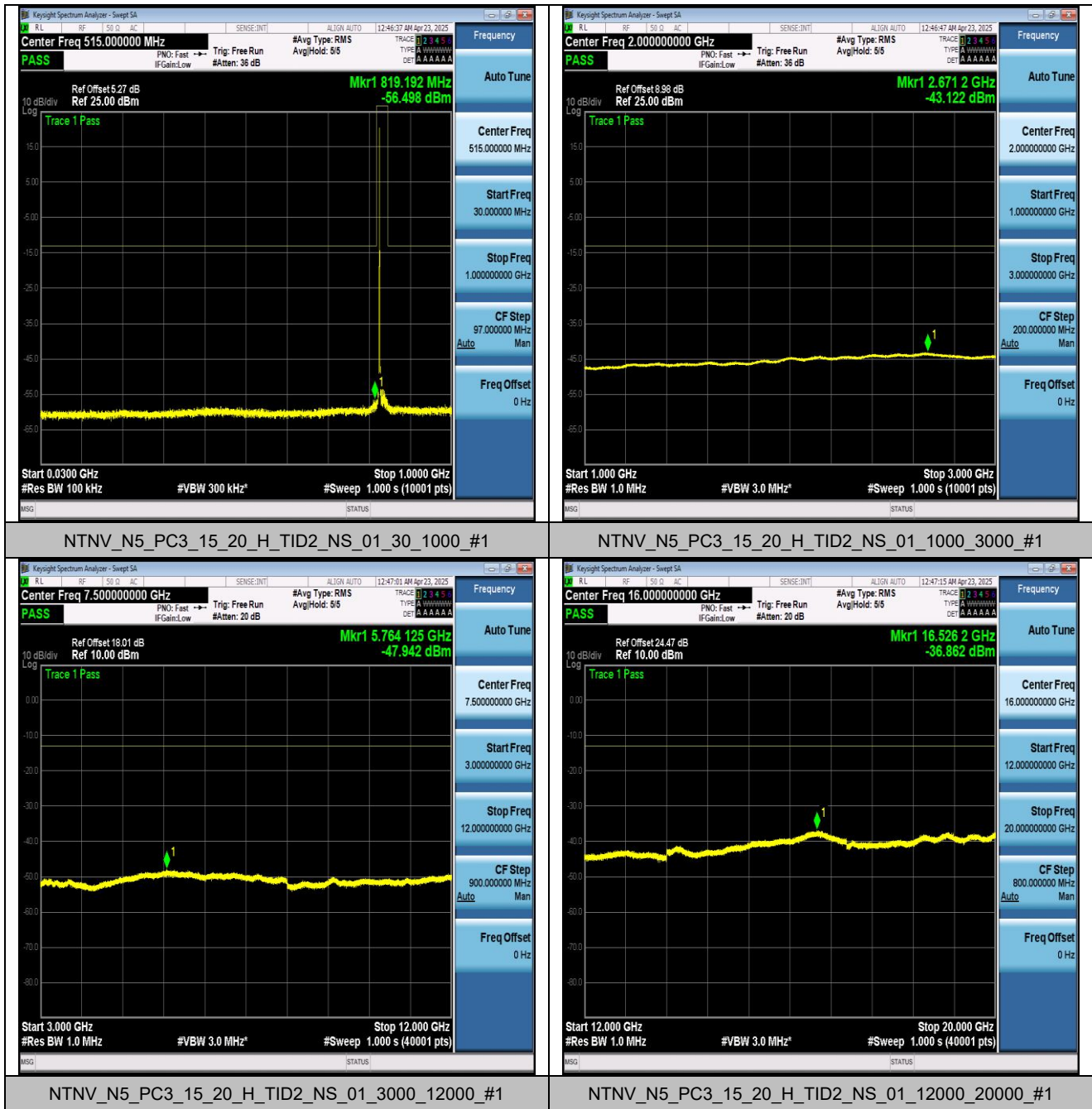












## Frequency Stability for SA

### Test Result

#### Frequency Error VS. Voltage

| Voltage |     |            |            |         |            |         |      |                |                 |             |         |
|---------|-----|------------|------------|---------|------------|---------|------|----------------|-----------------|-------------|---------|
| Band    | SCS | Band width | Modulation | Channel | RB Config  | Voltage | Temp | Deviation (Hz) | Deviation (ppm) | Limit (ppm) | Verdict |
| n5      | 15  | 20         | DFT-BPSK   | M       | Outer_Full | VL      | NT   | -6.113         | -0.007308       | ±2.5        | PASS    |
| n5      | 15  | 20         | DFT-BPSK   | M       | Outer_Full | VN      | NT   | -4.252         | -0.005083       | ±2.5        | PASS    |
| n5      | 15  | 20         | DFT-BPSK   | M       | Outer_Full | VH      | NT   | -2.195         | -0.002624       | ±2.5        | PASS    |
| n5      | 15  | 20         | CP-QPSK    | M       | Outer_Full | VL      | NT   | -3.465         | -0.00412        | ±2.5        | PASS    |
| n5      | 15  | 20         | CP-QPSK    | M       | Outer_Full | VN      | NT   | 1.313          | 0.00157         | ±2.5        | PASS    |
| n5      | 15  | 20         | CP-QPSK    | M       | Outer_Full | VH      | NT   | 1.752          | 0.002094        | ±2.5        | PASS    |

#### Frequency Error VS. Temperature

| Temperature |     |            |            |         |            |         |      |                |                 |             |         |
|-------------|-----|------------|------------|---------|------------|---------|------|----------------|-----------------|-------------|---------|
| Band        | SCS | Band width | Modulation | Channel | RB Config  | Voltage | Temp | Deviation (Hz) | Deviation (ppm) | Limit (ppm) | Verdict |
| n5          | 15  | 20         | DFT-BPSK   | M       | Outer_Full | NV      | -30  | -7.267         | -0.008687       | ±2.5        | PASS    |
| n5          | 15  | 20         | DFT-BPSK   | M       | Outer_Full | NV      | -20  | -1.664         | -0.001989       | ±2.5        | PASS    |
| n5          | 15  | 20         | DFT-BPSK   | M       | Outer_Full | NV      | -10  | -5.223         | -0.006244       | ±2.5        | PASS    |
| n5          | 15  | 20         | DFT-BPSK   | M       | Outer_Full | NV      | 0    | -2.471         | -0.002954       | ±2.5        | PASS    |
| n5          | 15  | 20         | DFT-BPSK   | M       | Outer_Full | NV      | 10   | -4.259         | -0.005091       | ±2.5        | PASS    |
| n5          | 15  | 20         | DFT-BPSK   | M       | Outer_Full | NV      | 20   | -2.73          | -0.003264       | ±2.5        | PASS    |
| n5          | 15  | 20         | DFT-BPSK   | M       | Outer_Full | NV      | 30   | -3.515         | -0.004202       | ±2.5        | PASS    |
| n5          | 15  | 20         | DFT-BPSK   | M       | Outer_Full | NV      | 40   | -3.317         | -0.003965       | ±2.5        | PASS    |
| n5          | 15  | 20         | DFT-BPSK   | M       | Outer_Full | NV      | 50   | -6.476         | -0.007742       | ±2.5        | PASS    |
| n5          | 15  | 20         | CP-QPSK    | M       | Outer_Full | NV      | -30  | 1.588          | 0.001898        | ±2.5        | PASS    |
| n5          | 15  | 20         | CP-QPSK    | M       | Outer_Full | NV      | -20  | 1.071          | 0.00128         | ±2.5        | PASS    |
| n5          | 15  | 20         | CP-QPSK    | M       | Outer_Full | NV      | -10  | 2.286          | 0.002733        | ±2.5        | PASS    |
| n5          | 15  | 20         | CP-QPSK    | M       | Outer_Full | NV      | 0    | 3.145          | 0.00376         | ±2.5        | PASS    |
| n5          | 15  | 20         | CP-QPSK    | M       | Outer_Full | NV      | 10   | 0.792          | 0.000947        | ±2.5        | PASS    |
| n5          | 15  | 20         | CP-QPSK    | M       | Outer_Full | NV      | 20   | 0.409          | 0.000489        | ±2.5        | PASS    |
| n5          | 15  | 20         | CP-QPSK    | M       | Outer_Full | NV      | 30   | 0.14           | 0.000167        | ±2.5        | PASS    |
| n5          | 15  | 20         | CP-QPSK    | M       | Outer_Full | NV      | 40   | 1.83           | 0.002188        | ±2.5        | PASS    |
| n5          | 15  | 20         | CP-QPSK    | M       | Outer_Full | NV      | 50   | -0.452         | -0.00054        | ±2.5        | PASS    |

~The End~