

## Effective (Isotropic) Radiated Power Output Data for SA

### Test Result

| Band | SCS | Bandwidth | Modulation | Channel | RB Config       | Power (dBm) | Gain (dBi) | E(I)RP (dBm) | Limit (dBm) | Verdict |
|------|-----|-----------|------------|---------|-----------------|-------------|------------|--------------|-------------|---------|
| n13  | 15  | 5         | DFT-BPSK   | L       | Inner_1RB_Left  | 22.91       | 2.6        | 23.36        | 34.8        | PASS    |
| n13  | 15  | 5         | DFT-BPSK   | L       | Inner_1RB_Right | 22.88       | 2.6        | 23.33        | 34.8        | PASS    |
| n13  | 15  | 5         | DFT-BPSK   | L       | Inner_Full      | 22.79       | 2.6        | 23.24        | 34.8        | PASS    |
| n13  | 15  | 5         | DFT-BPSK   | L       | Outer_Full      | 22.85       | 2.6        | 23.3         | 34.8        | PASS    |
| n13  | 15  | 5         | DFT-QPSK   | L       | Inner_1RB_Left  | 22.72       | 2.6        | 23.17        | 34.8        | PASS    |
| n13  | 15  | 5         | DFT-QPSK   | L       | Inner_1RB_Right | 22.59       | 2.6        | 23.04        | 34.8        | PASS    |
| n13  | 15  | 5         | DFT-QPSK   | L       | Inner_Full      | 22.83       | 2.6        | 23.28        | 34.8        | PASS    |
| n13  | 15  | 5         | DFT-QPSK   | L       | Outer_Full      | 22.88       | 2.6        | 23.33        | 34.8        | PASS    |
| n13  | 15  | 5         | DFT-16QAM  | L       | Inner_1RB_Left  | 22.06       | 2.6        | 22.51        | 34.8        | PASS    |
| n13  | 15  | 5         | DFT-16QAM  | L       | Inner_1RB_Right | 22.01       | 2.6        | 22.46        | 34.8        | PASS    |
| n13  | 15  | 5         | DFT-16QAM  | L       | Inner_Full      | 22.4        | 2.6        | 22.85        | 34.8        | PASS    |
| n13  | 15  | 5         | DFT-16QAM  | L       | Outer_Full      | 21.79       | 2.6        | 22.24        | 34.8        | PASS    |
| n13  | 15  | 5         | DFT-64QAM  | L       | Inner_1RB_Left  | 20.77       | 2.6        | 21.22        | 34.8        | PASS    |
| n13  | 15  | 5         | DFT-64QAM  | L       | Inner_1RB_Right | 20.67       | 2.6        | 21.12        | 34.8        | PASS    |
| n13  | 15  | 5         | DFT-64QAM  | L       | Inner_Full      | 20.74       | 2.6        | 21.19        | 34.8        | PASS    |
| n13  | 15  | 5         | DFT-64QAM  | L       | Outer_Full      | 21.29       | 2.6        | 21.74        | 34.8        | PASS    |
| n13  | 15  | 5         | DFT-256QAM | L       | Inner_1RB_Left  | 18.82       | 2.6        | 19.27        | 34.8        | PASS    |
| n13  | 15  | 5         | DFT-256QAM | L       | Inner_1RB_Right | 18.74       | 2.6        | 19.19        | 34.8        | PASS    |
| n13  | 15  | 5         | DFT-256QAM | L       | Inner_Full      | 18.78       | 2.6        | 19.23        | 34.8        | PASS    |
| n13  | 15  | 5         | DFT-256QAM | L       | Outer_Full      | 18.22       | 2.6        | 18.67        | 34.8        | PASS    |
| n13  | 15  | 5         | DFT-BPSK   | M       | Inner_1RB_Left  | 22.62       | 2.6        | 23.07        | 34.8        | PASS    |
| n13  | 15  | 5         | DFT-BPSK   | M       | Inner_1RB_Right | 22.7        | 2.6        | 23.15        | 34.8        | PASS    |
| n13  | 15  | 5         | DFT-BPSK   | M       | Inner_Full      | 22.86       | 2.6        | 23.31        | 34.8        | PASS    |
| n13  | 15  | 5         | DFT-BPSK   | M       | Outer_Full      | 22.83       | 2.6        | 23.28        | 34.8        | PASS    |
| n13  | 15  | 5         | DFT-QPSK   | M       | Inner_1RB_Left  | 22.8        | 2.6        | 23.25        | 34.8        | PASS    |
| n13  | 15  | 5         | DFT-QPSK   | M       | Inner_1RB_Right | 22.83       | 2.6        | 23.28        | 34.8        | PASS    |
| n13  | 15  | 5         | DFT-QPSK   | M       | Inner_Full      | 22.88       | 2.6        | 23.33        | 34.8        | PASS    |

|     |    |   |            |   |                 |       |     |       |      |      |
|-----|----|---|------------|---|-----------------|-------|-----|-------|------|------|
| n13 | 15 | 5 | DFT-QPSK   | M | Outer_Full      | 22.88 | 2.6 | 23.33 | 34.8 | PASS |
| n13 | 15 | 5 | DFT-16QAM  | M | Inner_1RB_Left  | 22.35 | 2.6 | 22.8  | 34.8 | PASS |
| n13 | 15 | 5 | DFT-16QAM  | M | Inner_1RB_Right | 22.34 | 2.6 | 22.79 | 34.8 | PASS |
| n13 | 15 | 5 | DFT-16QAM  | M | Inner_Full      | 22.61 | 2.6 | 23.06 | 34.8 | PASS |
| n13 | 15 | 5 | DFT-16QAM  | M | Outer_Full      | 22.03 | 2.6 | 22.48 | 34.8 | PASS |
| n13 | 15 | 5 | DFT-64QAM  | M | Inner_1RB_Left  | 21.13 | 2.6 | 21.58 | 34.8 | PASS |
| n13 | 15 | 5 | DFT-64QAM  | M | Inner_1RB_Right | 21.12 | 2.6 | 21.57 | 34.8 | PASS |
| n13 | 15 | 5 | DFT-64QAM  | M | Inner_Full      | 20.82 | 2.6 | 21.27 | 34.8 | PASS |
| n13 | 15 | 5 | DFT-64QAM  | M | Outer_Full      | 20.26 | 2.6 | 20.71 | 34.8 | PASS |
| n13 | 15 | 5 | DFT-256QAM | M | Inner_1RB_Left  | 19.67 | 2.6 | 20.12 | 34.8 | PASS |
| n13 | 15 | 5 | DFT-256QAM | M | Inner_1RB_Right | 19.65 | 2.6 | 20.1  | 34.8 | PASS |
| n13 | 15 | 5 | DFT-256QAM | M | Inner_Full      | 18.77 | 2.6 | 19.22 | 34.8 | PASS |
| n13 | 15 | 5 | DFT-256QAM | M | Outer_Full      | 18.25 | 2.6 | 18.7  | 34.8 | PASS |
| n13 | 15 | 5 | DFT-BPSK   | H | Inner_1RB_Left  | 22.69 | 2.6 | 23.14 | 34.8 | PASS |
| n13 | 15 | 5 | DFT-BPSK   | H | Inner_1RB_Right | 22.69 | 2.6 | 23.14 | 34.8 | PASS |
| n13 | 15 | 5 | DFT-BPSK   | H | Inner_Full      | 22.8  | 2.6 | 23.25 | 34.8 | PASS |
| n13 | 15 | 5 | DFT-BPSK   | H | Outer_Full      | 22.79 | 2.6 | 23.24 | 34.8 | PASS |
| n13 | 15 | 5 | DFT-QPSK   | H | Inner_1RB_Left  | 22.66 | 2.6 | 23.11 | 34.8 | PASS |
| n13 | 15 | 5 | DFT-QPSK   | H | Inner_1RB_Right | 22.68 | 2.6 | 23.13 | 34.8 | PASS |
| n13 | 15 | 5 | DFT-QPSK   | H | Inner_Full      | 22.76 | 2.6 | 23.21 | 34.8 | PASS |
| n13 | 15 | 5 | DFT-QPSK   | H | Outer_Full      | 22.81 | 2.6 | 23.26 | 34.8 | PASS |
| n13 | 15 | 5 | DFT-16QAM  | H | Inner_1RB_Left  | 22.55 | 2.6 | 23    | 34.8 | PASS |
| n13 | 15 | 5 | DFT-16QAM  | H | Inner_1RB_Right | 22.51 | 2.6 | 22.96 | 34.8 | PASS |
| n13 | 15 | 5 | DFT-16QAM  | H | Inner_Full      | 22.31 | 2.6 | 22.76 | 34.8 | PASS |
| n13 | 15 | 5 | DFT-16QAM  | H | Outer_Full      | 21.76 | 2.6 | 22.21 | 34.8 | PASS |
| n13 | 15 | 5 | DFT-64QAM  | H | Inner_1RB_Left  | 20.7  | 2.6 | 21.15 | 34.8 | PASS |
| n13 | 15 | 5 | DFT-64QAM  | H | Inner_1RB_Right | 20.69 | 2.6 | 21.14 | 34.8 | PASS |
| n13 | 15 | 5 | DFT-64QAM  | H | Inner_Full      | 20.7  | 2.6 | 21.15 | 34.8 | PASS |
| n13 | 15 | 5 | DFT-64QAM  | H | Outer_Full      | 20.35 | 2.6 | 20.8  | 34.8 | PASS |
| n13 | 15 | 5 | DFT-256QAM | H | Inner_1RB_Left  | 19.81 | 2.6 | 20.26 | 34.8 | PASS |
| n13 | 15 | 5 | DFT-256QAM | H | Inner_1RB_Right | 19.75 | 2.6 | 20.2  | 34.8 | PASS |

|     |    |    |            |   |                 |       |     |       |      |      |
|-----|----|----|------------|---|-----------------|-------|-----|-------|------|------|
| n13 | 15 | 5  | DFT-256QAM | H | Inner_Full      | 18.73 | 2.6 | 19.18 | 34.8 | PASS |
| n13 | 15 | 5  | DFT-256QAM | H | Outer_Full      | 17.28 | 2.6 | 17.73 | 34.8 | PASS |
| n13 | 15 | 10 | DFT-BPSK   | L | Inner_1RB_Left  | 22.75 | 2.6 | 23.2  | 34.8 | PASS |
| n13 | 15 | 10 | DFT-BPSK   | L | Inner_1RB_Right | 22.79 | 2.6 | 23.24 | 34.8 | PASS |
| n13 | 15 | 10 | DFT-BPSK   | L | Inner_Full      | 22.93 | 2.6 | 23.38 | 34.8 | PASS |
| n13 | 15 | 10 | DFT-BPSK   | L | Outer_Full      | 22.88 | 2.6 | 23.33 | 34.8 | PASS |
| n13 | 15 | 10 | DFT-QPSK   | L | Inner_1RB_Left  | 23.2  | 2.6 | 23.65 | 34.8 | PASS |
| n13 | 15 | 10 | DFT-QPSK   | L | Inner_1RB_Right | 23.08 | 2.6 | 23.53 | 34.8 | PASS |
| n13 | 15 | 10 | DFT-QPSK   | L | Inner_Full      | 22.86 | 2.6 | 23.31 | 34.8 | PASS |
| n13 | 15 | 10 | DFT-QPSK   | L | Outer_Full      | 22.88 | 2.6 | 23.33 | 34.8 | PASS |
| n13 | 15 | 10 | DFT-16QAM  | L | Inner_1RB_Left  | 22.15 | 2.6 | 22.6  | 34.8 | PASS |
| n13 | 15 | 10 | DFT-16QAM  | L | Inner_1RB_Right | 22.11 | 2.6 | 22.56 | 34.8 | PASS |
| n13 | 15 | 10 | DFT-16QAM  | L | Inner_Full      | 22.46 | 2.6 | 22.91 | 34.8 | PASS |
| n13 | 15 | 10 | DFT-16QAM  | L | Outer_Full      | 21.87 | 2.6 | 22.32 | 34.8 | PASS |
| n13 | 15 | 10 | DFT-64QAM  | L | Inner_1RB_Left  | 20.51 | 2.6 | 20.96 | 34.8 | PASS |
| n13 | 15 | 10 | DFT-64QAM  | L | Inner_1RB_Right | 20.45 | 2.6 | 20.9  | 34.8 | PASS |
| n13 | 15 | 10 | DFT-64QAM  | L | Inner_Full      | 20.8  | 2.6 | 21.25 | 34.8 | PASS |
| n13 | 15 | 10 | DFT-64QAM  | L | Outer_Full      | 20.4  | 2.6 | 20.85 | 34.8 | PASS |
| n13 | 15 | 10 | DFT-256QAM | L | Inner_1RB_Left  | 18.61 | 2.6 | 19.06 | 34.8 | PASS |
| n13 | 15 | 10 | DFT-256QAM | L | Inner_1RB_Right | 18.68 | 2.6 | 19.13 | 34.8 | PASS |
| n13 | 15 | 10 | DFT-256QAM | L | Inner_Full      | 18.98 | 2.6 | 19.43 | 34.8 | PASS |
| n13 | 15 | 10 | DFT-256QAM | L | Outer_Full      | 17.34 | 2.6 | 17.79 | 34.8 | PASS |

## Peak-to-Average Ratio for SA

## Peak-to-Average Ratio(CCDF)

### Test Result

| Band | SCS | Bandwidth | Modulation | Channel | RB Config  | Result(dB) | Limit(dB) | Verdict |
|------|-----|-----------|------------|---------|------------|------------|-----------|---------|
| n13  | 15  | 5         | DFT-BPSK   | M       | Outer_Full | 3.93       | ≤13       | PASS    |
| n13  | 15  | 5         | DFT-QPSK   | M       | Outer_Full | 4.53       | ≤13       | PASS    |
| n13  | 15  | 5         | DFT-16QAM  | M       | Outer_Full | 5.73       | ≤13       | PASS    |
| n13  | 15  | 5         | DFT-64QAM  | M       | Outer_Full | 6.1        | ≤13       | PASS    |
| n13  | 15  | 5         | DFT-256QAM | M       | Outer_Full | 7.78       | ≤13       | PASS    |
| n13  | 15  | 10        | DFT-BPSK   | M       | Outer_Full | 4.41       | ≤13       | PASS    |
| n13  | 15  | 10        | DFT-QPSK   | M       | Outer_Full | 5.26       | ≤13       | PASS    |
| n13  | 15  | 10        | DFT-16QAM  | M       | Outer_Full | 6.07       | ≤13       | PASS    |
| n13  | 15  | 10        | DFT-64QAM  | M       | Outer_Full | 6.34       | ≤13       | PASS    |
| n13  | 15  | 10        | DFT-256QAM | M       | Outer_Full | 6.73       | ≤13       | PASS    |

## Test Graphs



NTNV-n13-PC3-15-5-M-DFT-BPSK-Outer\_Full-PASS



NTNV-n13-PC3-15-5-M-DFT-QPSK-Outer\_Full-PASS



NTNV-n13-PC3-15-5-M-DFT-16QAM-Outer\_Full-PASS



NTNV-n13-PC3-15-5-M-DFT-64QAM-Outer\_Full-PASS



NTNV-n13-PC3-15-5-M-DFT-256QAM-Outer\_Full-PASS



NTNV-n13-PC3-15-10-M-DFT-BPSK-Outer\_Full-PASS



NTNV-n13-PC3-15-10-M-DFT-QPSK-Outer\_Full-PASS



NTNV-n13-PC3-15-10-M-DFT-16QAM-Outer\_Full-PASS



NTVN-n13-PC3-15-10-M-DFT-64QAM-Outer\_Full-PASS



NTVN-n13-PC3-15-10-M-DFT-256QAM-Outer\_Full-PASS

## 26dB Bandwidth and Occupied Bandwidth for SA

### Test Result

| Band | SCS | Bandwidth | Modulation | Channel | RB Config  | Result (99%) | Result (26dB) | Verdict |
|------|-----|-----------|------------|---------|------------|--------------|---------------|---------|
| n13  | 15  | 5         | CP-QPSK    | M       | Outer_Full | 4.4796       | 5.030         | PASS    |
| n13  | 15  | 5         | CP-16QAM   | M       | Outer_Full | 4.4770       | 5.665         | PASS    |
| n13  | 15  | 5         | CP-64QAM   | M       | Outer_Full | 4.4951       | 5.020         | PASS    |
| n13  | 15  | 5         | CP-256QAM  | M       | Outer_Full | 4.4686       | 4.948         | PASS    |
| n13  | 15  | 10        | CP-QPSK    | M       | Outer_Full | 9.4520       | 9.775         | PASS    |
| n13  | 15  | 10        | CP-16QAM   | M       | Outer_Full | 9.2444       | 9.990         | PASS    |
| n13  | 15  | 10        | CP-64QAM   | M       | Outer_Full | 9.2501       | 9.964         | PASS    |
| n13  | 15  | 10        | CP-256QAM  | M       | Outer_Full | 9.2571       | 9.932         | PASS    |

## Test Graphs



NTNV-n13-PC3-15-5-M-CP-QPSK-Outet\_Full-Ant1-PASS



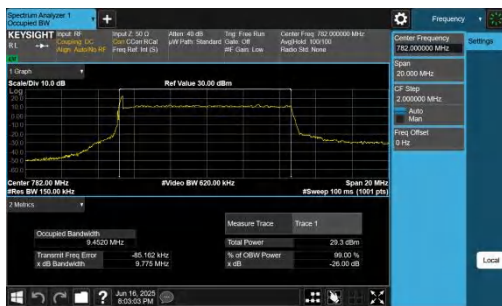
NTNV-n13-PC3-15-5-M-CP-16QAM-Outet\_Full-Ant1-PASS



NTNV-n13-PC3-15-5-M-CP-64QAM-Outet\_Full-Ant1-PASS



NTNV-n13-PC3-15-5-M-CP-256QAM-Outet\_Full-Ant1-PASS



NTNV-n13-PC3-15-10-M-CP-QPSK-Outet\_Full-Ant1-PASS



NTNV-n13-PC3-15-10-M-CP-16QAM-Outet\_Full-Ant1-PASS



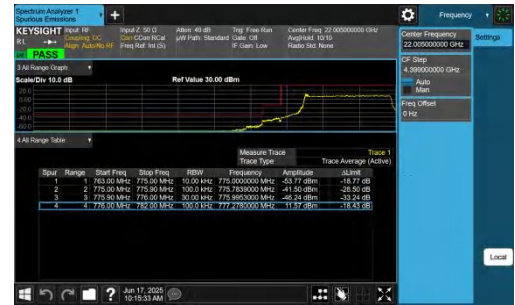
NTNV-n13-PC3-15-10-M-CP-64QAM-Outet\_Full-Ant1-PASS



NTNV-n13-PC3-15-10-M-CP-256QAM-Outet\_Full-Ant1-PASS

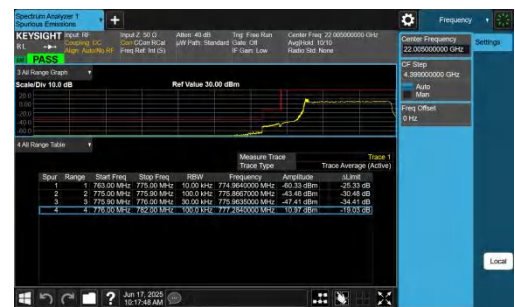
# Band Edge for SA

## Test Graphs



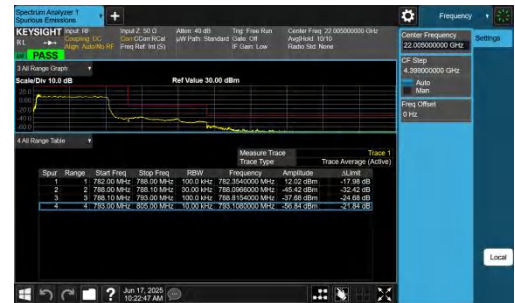
NTNV-n13-PC3-15-5-L-DFT-BPSK-Edge\_1RB\_Left-PASS

NTNV-n13-PC3-15-5-L-DFT-BPSK-Outer\_Full-PASS



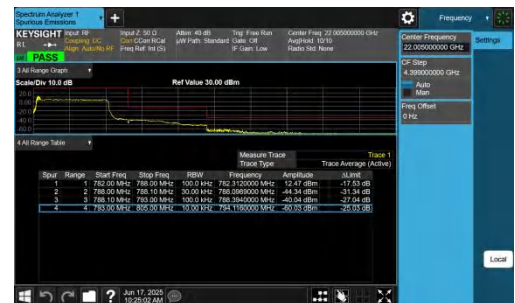
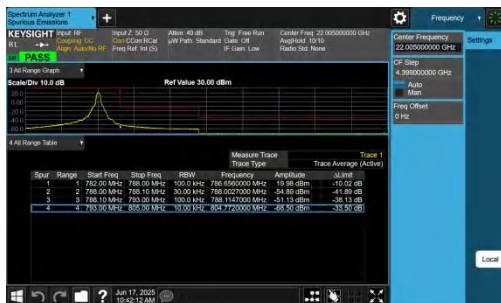
NTNV-n13-PC3-15-5-L-DFT-QPSK-Edge\_1RB\_Left-PASS

NTNV-n13-PC3-15-5-L-DFT-QPSK-Outer\_Full-PASS



NTNV-n13-PC3-15-5-H-DFT-BPSK-Edge\_1RB\_Right-PASS

NTNV-n13-PC3-15-5-H-DFT-BPSK-Outer\_Full-PASS



NTNV-n13-PC3-15-5-H-DFT-QPSK-Edge\_1RB\_Right-PASS

NTNV-n13-PC3-15-5-H-DFT-QPSK-Outer\_Full-PASS



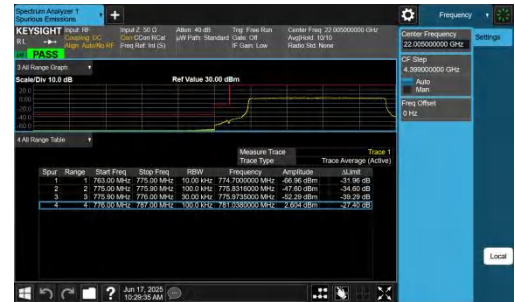
NTNV-n13-PC3-15-10-L-DFT-BPSK-Edge\_1RB\_Left-PASS



NTNV-n13-PC3-15-10-L-DFT-BPSK-Outer\_Full-PASS



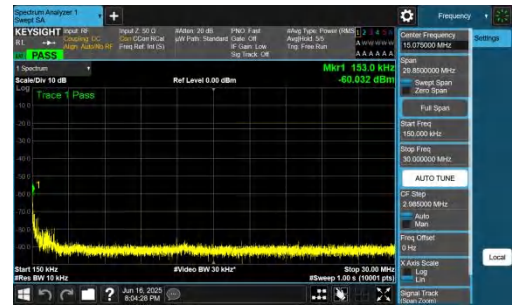
NTNV-n13-PC3-15-10-L-DFT-QPSK-Edge\_1RB\_Left-PASS



NTNV-n13-PC3-15-10-L-DFT-QPSK-Outer\_Full-PASS

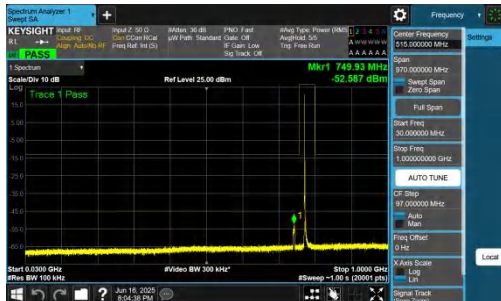
# Conducted Spurious Emission for SA

## Test Graphs



NTNV-n13-PC3-15-5-L-DFT-BPSK-Inner\_1RB\_Left-0.009-0.15-P  
ASS

NTNV-n13-PC3-15-5-L-DFT-BPSK-Inner\_1RB\_Left-0.15-30-PASS



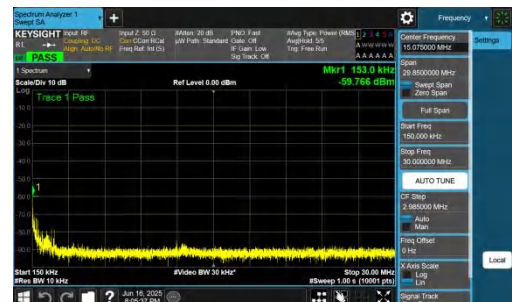
NTNV-n13-PC3-15-5-L-DFT-BPSK-Inner\_1RB\_Left-30-1000-PAS  
S

NTNV-n13-PC3-15-5-L-DFT-BPSK-Inner\_1RB\_Left-1000-3000-PASS



NTNV-n13-PC3-15-5-L-DFT-BPSK-Inner\_1RB\_Left-3000-12000-  
PASS

NTNV-n13-PC3-15-5-L-DFT-BPSK-Inner\_1RB\_Left-12000-20000-  
PASS



NTNV-n13-PC3-15-5-L-DFT-BPSK-Inner\_1RB\_Right-0.009-0.15-  
PASS

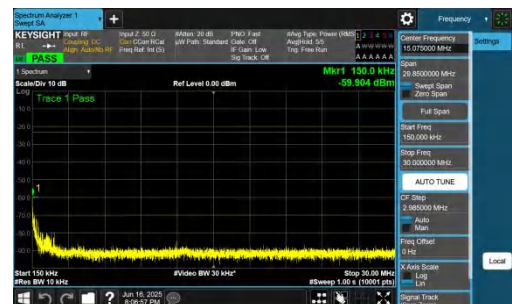
NTNV-n13-PC3-15-5-L-DFT-BPSK-Inner\_1RB\_Right-0.15-30-PAS  
S


NTVN-n13-PC3-15-5-L-DFT-BPSK-Inner\_1RB\_Right-30-1000-PA  
SS

NTVN-n13-PC3-15-5-L-DFT-BPSK-Inner\_1RB\_Right-1000-3000-P  
ASS

NTVN-n13-PC3-15-5-L-DFT-BPSK-Inner\_1RB\_Right-3000-12000  
-PASS

NTVN-n13-PC3-15-5-L-DFT-BPSK-Inner\_1RB\_Right-12000-2000  
0-PASS

NTVN-n13-PC3-15-5-L-DFT-QPSK-Inner\_1RB\_Left-0.009-0.15-P  
ASS


NTVN-n13-PC3-15-5-L-DFT-QPSK-Inner\_1RB\_Left-0.15-30-PASS


NTVN-n13-PC3-15-5-L-DFT-QPSK-Inner\_1RB\_Left-30-1000-PA  
SS

NTVN-n13-PC3-15-5-L-DFT-QPSK-Inner\_1RB\_Left-1000-3000-PA  
SS



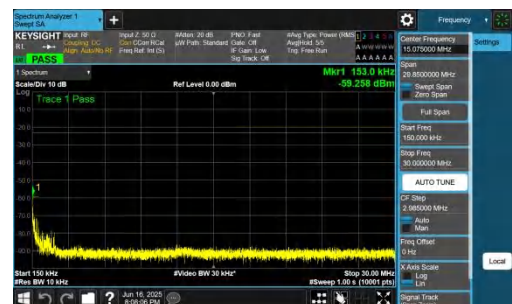
NTNV-n13-PC3-15-5-L-DFT-QPSK-Inner\_1RB\_Left-3000-12000-PASS



NTNV-n13-PC3-15-5-L-DFT-QPSK-Inner\_1RB\_Left-12000-20000-PASS



NTNV-n13-PC3-15-5-L-DFT-QPSK-Inner\_1RB\_Right-0.009-0.15-PASS



NTNV-n13-PC3-15-5-L-DFT-QPSK-Inner\_1RB\_Right-0.15-30-PAS



NTNV-n13-PC3-15-5-L-DFT-QPSK-Inner\_1RB\_Right-30-1000-PASS



NTNV-n13-PC3-15-5-L-DFT-QPSK-Inner\_1RB\_Right-1000-3000-PASS



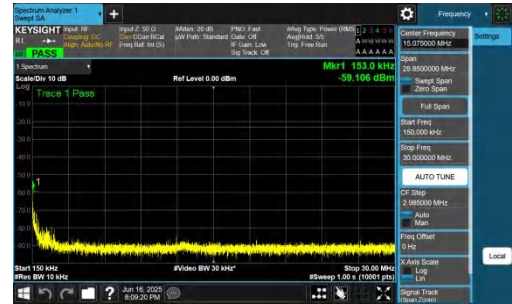
NTNV-n13-PC3-15-5-L-DFT-QPSK-Inner\_1RB\_Right-3000-12000-PASS



NTNV-n13-PC3-15-5-L-DFT-QPSK-Inner\_1RB\_Right-12000-20000-PASS



NTNV-n13-PC3-15-5-M-DFT-BPSK-Inner\_1RB\_Left-0.009-0.15-P  
ASS



NTNV-n13-PC3-15-5-M-DFT-BPSK-Inner\_1RB\_Left-0.15-30-PAS  
S



NTNV-n13-PC3-15-5-M-DFT-BPSK-Inner\_1RB\_Left-30-1000-PA  
SS



NTNV-n13-PC3-15-5-M-DFT-BPSK-Inner\_1RB\_Left-1000-3000-P  
ASS



NTNV-n13-PC3-15-5-M-DFT-BPSK-Inner\_1RB\_Left-3000-12000-  
PASS



NTNV-n13-PC3-15-5-M-DFT-BPSK-Inner\_1RB\_Left-12000-20000-  
PASS



NTNV-n13-PC3-15-5-M-DFT-BPSK-Inner\_1RB\_Right-0.009-0.15  
-PASS



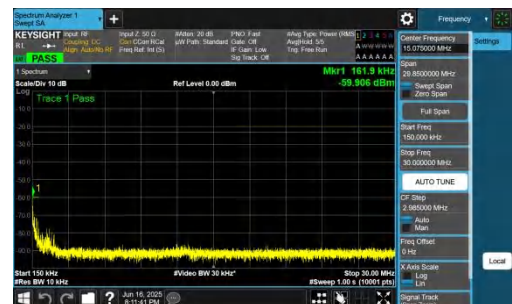
NTNV-n13-PC3-15-5-M-DFT-BPSK-Inner\_1RB\_Right-0.15-30-PA  
SS


NTNV-n13-PC3-15-5-M-DFT-BPSK-Inner\_1RB\_Right-30-1000-P  
ASS

NTNV-n13-PC3-15-5-M-DFT-BPSK-Inner\_1RB\_Right-1000-3000-P  
PASS

NTNV-n13-PC3-15-5-M-DFT-BPSK-Inner\_1RB\_Right-3000-1200  
0-PASS

NTNV-n13-PC3-15-5-M-DFT-BPSK-Inner\_1RB\_Right-12000-2000  
0-PASS

NTNV-n13-PC3-15-5-M-DFT-QPSK-Inner\_1RB\_Left-0.009-0.15-PASS  
PASS

NTNV-n13-PC3-15-5-M-DFT-QPSK-Inner\_1RB\_Left-0.15-30-PAS  
S

NTNV-n13-PC3-15-5-M-DFT-QPSK-Inner\_1RB\_Left-30-1000-P  
SS

NTNV-n13-PC3-15-5-M-DFT-QPSK-Inner\_1RB\_Left-1000-3000-P  
ASS



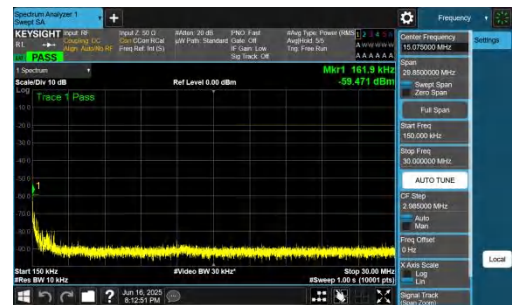
NTNV-n13-PC3-15-5-M-DFT-QPSK-Inner\_1RB\_Left-3000-12000  
-PASS



NTNV-n13-PC3-15-5-M-DFT-QPSK-Inner\_1RB\_Left-12000-20000  
-PASS



NTNV-n13-PC3-15-5-M-DFT-QPSK-Inner\_1RB\_Right-0.009-0.15  
-PASS



NTNV-n13-PC3-15-5-M-DFT-QPSK-Inner\_1RB\_Right-0.15-30-PA  
SS



NTNV-n13-PC3-15-5-M-DFT-QPSK-Inner\_1RB\_Right-30-1000-P  
ASS



NTNV-n13-PC3-15-5-M-DFT-QPSK-Inner\_1RB\_Right-1000-3000-  
PASS



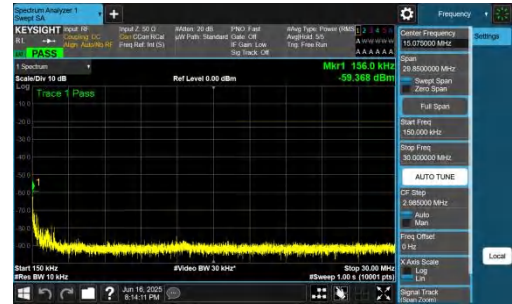
NTNV-n13-PC3-15-5-M-DFT-QPSK-Inner\_1RB\_Right-3000-1200  
0-PASS



NTNV-n13-PC3-15-5-M-DFT-QPSK-Inner\_1RB\_Right-12000-2000  
0-PASS



NTNV-n13-PC3-15-5-H-DFT-BPSK-Inner\_1RB\_Left-0.009-0.15-P  
ASS



NTNV-n13-PC3-15-5-H-DFT-BPSK-Inner\_1RB\_Left-0.15-30-PASS



NTNV-n13-PC3-15-5-H-DFT-BPSK-Inner\_1RB\_Left-30-1000-PASS



NTNV-n13-PC3-15-5-H-DFT-BPSK-Inner\_1RB\_Left-1000-3000-PASS



NTNV-n13-PC3-15-5-H-DFT-BPSK-Inner\_1RB\_Left-3000-12000-PASS



NTNV-n13-PC3-15-5-H-DFT-BPSK-Inner\_1RB\_Left-12000-20000-PASS



NTNV-n13-PC3-15-5-H-DFT-BPSK-Inner\_1RB\_Right-0.009-0.15-PASS

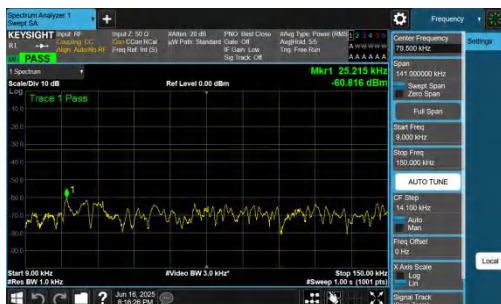
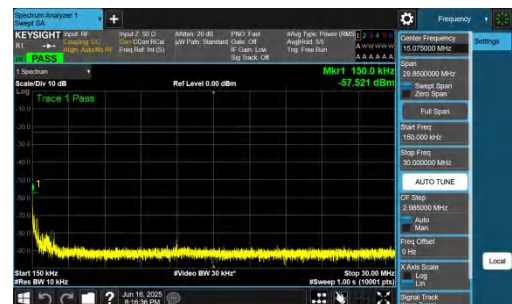


NTNV-n13-PC3-15-5-H-DFT-BPSK-Inner\_1RB\_Right-0.15-30-PASS


NTNV-n13-PC3-15-5-H-DFT-BPSK-Inner\_1RB\_Right-30-1000-P  
ASS

NTNV-n13-PC3-15-5-H-DFT-BPSK-Inner\_1RB\_Right-1000-3000-P  
PASS

NTNV-n13-PC3-15-5-H-DFT-BPSK-Inner\_1RB\_Right-3000-1200  
0-PASS

NTNV-n13-PC3-15-5-H-DFT-BPSK-Inner\_1RB\_Right-12000-2000  
0-PASS

NTNV-n13-PC3-15-5-H-DFT-QPSK-Inner\_1RB\_Left-0.009-0.15-P  
ASS

NTNV-n13-PC3-15-5-H-DFT-QPSK-Inner\_1RB\_Left-0.15-30-PAS  
S

NTNV-n13-PC3-15-5-H-DFT-QPSK-Inner\_1RB\_Left-30-1000-P  
ASS

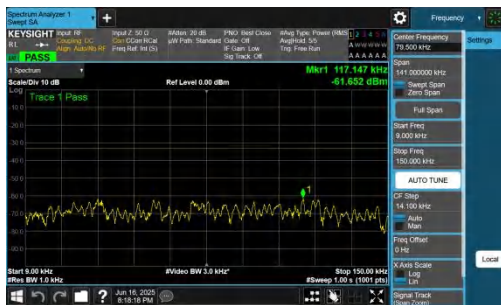
NTNV-n13-PC3-15-5-H-DFT-QPSK-Inner\_1RB\_Left-1000-3000-P  
ASS



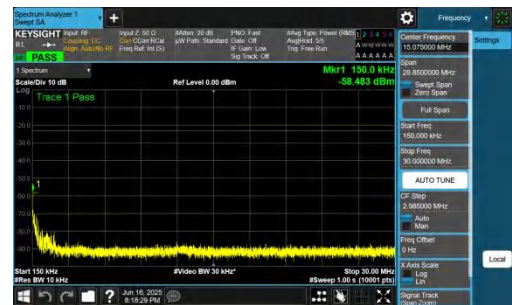
NTNV-n13-PC3-15-5-H-DFT-QPSK-Inner\_1RB\_Left-3000-12000-PASS



NTNV-n13-PC3-15-5-H-DFT-QPSK-Inner\_1RB\_Left-12000-20000-PASS



NTNV-n13-PC3-15-5-H-DFT-QPSK-Inner\_1RB\_Right-0.009-0.15-PASS



NTNV-n13-PC3-15-5-H-DFT-QPSK-Inner\_1RB\_Right-0.15-30-PA-SS



NTNV-n13-PC3-15-5-H-DFT-QPSK-Inner\_1RB\_Right-30-1000-PASS



NTNV-n13-PC3-15-5-H-DFT-QPSK-Inner\_1RB\_Right-1000-3000-PASS



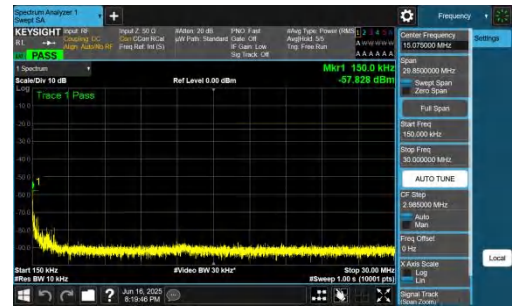
NTNV-n13-PC3-15-5-H-DFT-QPSK-Inner\_1RB\_Right-3000-12000-PASS



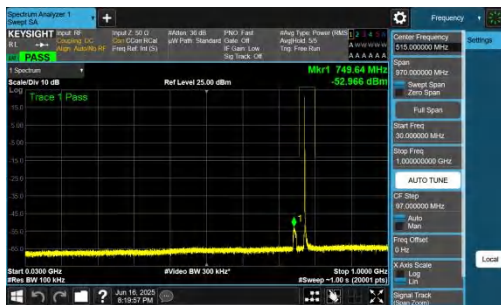
NTNV-n13-PC3-15-5-H-DFT-QPSK-Inner\_1RB\_Right-12000-20000-PASS



NTNV-n13-PC3-15-10-L-DFT-BPSK-Inner\_1RB\_Left-0.009-0.15-PASS



NTNV-n13-PC3-15-10-L-DFT-BPSK-Inner\_1RB\_Left-0.15-30-PAS



NTNV-n13-PC3-15-10-L-DFT-BPSK-Inner\_1RB\_Left-30-1000-PASS



NTNV-n13-PC3-15-10-L-DFT-BPSK-Inner\_1RB\_Left-1000-3000-PASS



NTNV-n13-PC3-15-10-L-DFT-BPSK-Inner\_1RB\_Left-3000-12000-PASS



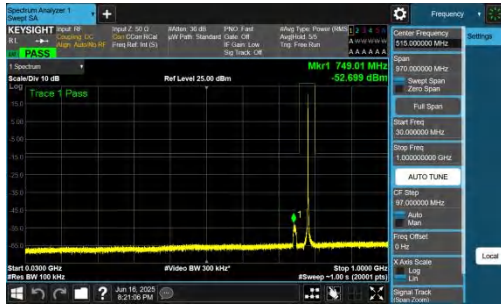
NTNV-n13-PC3-15-10-L-DFT-BPSK-Inner\_1RB\_Left-12000-20000-PASS



NTNV-n13-PC3-15-10-L-DFT-BPSK-Inner\_1RB\_Right-0.009-0.15-PASS



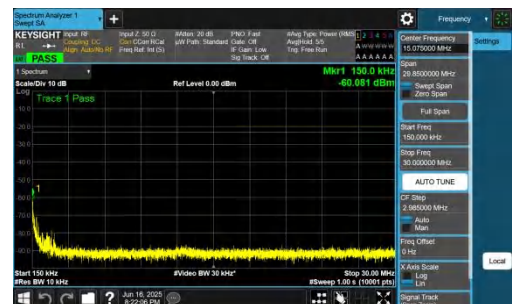
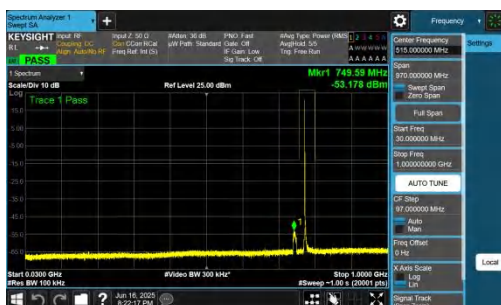
NTNV-n13-PC3-15-10-L-DFT-BPSK-Inner\_1RB\_Right-0.15-30-PASS


NTNV-n13-PC3-15-10-L-DFT-BPSK-Inner\_1RB\_Right-30-1000-P  
ASS

NTNV-n13-PC3-15-10-L-DFT-BPSK-Inner\_1RB\_Right-1000-3000-P  
PASS

NTNV-n13-PC3-15-10-L-DFT-BPSK-Inner\_1RB\_Right-3000-1200  
0-PASS

NTNV-n13-PC3-15-10-L-DFT-BPSK-Inner\_1RB\_Right-12000-200  
00-PASS

NTNV-n13-PC3-15-10-L-DFT-QPSK-Inner\_1RB\_Left-0.009-0.15-  
PASS

NTNV-n13-PC3-15-10-L-DFT-QPSK-Inner\_1RB\_Left-0.15-30-PAS  
S

NTNV-n13-PC3-15-10-L-DFT-QPSK-Inner\_1RB\_Left-30-1000-P  
ASS

NTNV-n13-PC3-15-10-L-DFT-QPSK-Inner\_1RB\_Left-1000-3000-P  
ASS



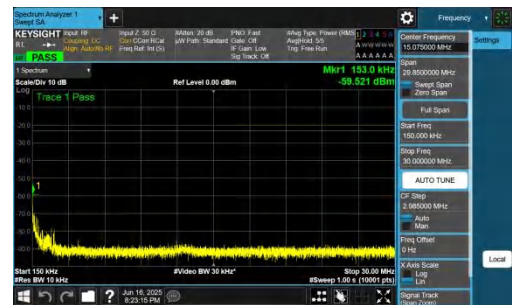
NTVN-n13-PC3-15-10-L-DFT-QPSK-Inner\_1RB\_Left-3000-12000  
-PASS



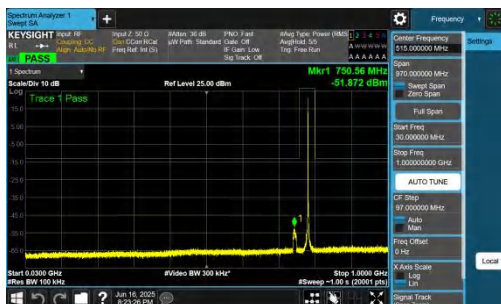
NTVN-n13-PC3-15-10-L-DFT-QPSK-Inner\_1RB\_Left-12000-2000  
0-PASS



NTVN-n13-PC3-15-10-L-DFT-QPSK-Inner\_1RB\_Right-0.009-0.1  
5-PASS



NTVN-n13-PC3-15-10-L-DFT-QPSK-Inner\_1RB\_Right-0.15-30-PA  
SS



NTVN-n13-PC3-15-10-L-DFT-QPSK-Inner\_1RB\_Right-30-1000-P  
ASS



NTVN-n13-PC3-15-10-L-DFT-QPSK-Inner\_1RB\_Right-1000-3000-  
PASS



NTVN-n13-PC3-15-10-L-DFT-QPSK-Inner\_1RB\_Right-3000-12000-  
00-PASS



NTVN-n13-PC3-15-10-L-DFT-QPSK-Inner\_1RB\_Right-12000-20000-  
00-PASS

## Frequency Stability for SA

### Test Result

| Voltage |     |           |            |         |            |               |                  |               |                 |            |         |
|---------|-----|-----------|------------|---------|------------|---------------|------------------|---------------|-----------------|------------|---------|
| Band    | SCS | Bandwidth | Modulation | Channel | RB Config  | Voltage (Vdc) | Temperature (°C) | Deviation(Hz) | Deviation (ppm) | Limit(ppm) | Verdict |
| n13     | 15  | 10        | DFT-QPSK   | M       | Outer_Full | VL            | NT               | -0.25         | -0.00032        | ±2.5       | PASS    |
| n13     | 15  | 10        | DFT-QPSK   | M       | Outer_Full | VN            | NT               | 0.31          | 0.000396        | ±2.5       | PASS    |
| n13     | 15  | 10        | DFT-QPSK   | M       | Outer_Full | VH            | NT               | 0.99          | 0.001266        | ±2.5       | PASS    |

| Temperature |     |           |            |         |            |               |                  |               |                 |            |         |
|-------------|-----|-----------|------------|---------|------------|---------------|------------------|---------------|-----------------|------------|---------|
| Band        | SCS | Bandwidth | Modulation | Channel | RB Config  | Voltage (Vdc) | Temperature (°C) | Deviation(Hz) | Deviation (ppm) | Limit(ppm) | Verdict |
| n13         | 15  | 10        | DFT-QPSK   | M       | Outer_Full | NV            | -30              | 1.52          | 0.001944        | ±2.5       | PASS    |
| n13         | 15  | 10        | DFT-QPSK   | M       | Outer_Full | NV            | -20              | 1.8           | 0.002302        | ±2.5       | PASS    |
| n13         | 15  | 10        | DFT-QPSK   | M       | Outer_Full | NV            | -10              | 1.22          | 0.00156         | ±2.5       | PASS    |
| n13         | 15  | 10        | DFT-QPSK   | M       | Outer_Full | NV            | 0                | 1.97          | 0.002519        | ±2.5       | PASS    |
| n13         | 15  | 10        | DFT-QPSK   | M       | Outer_Full | NV            | 10               | 1.01          | 0.001292        | ±2.5       | PASS    |
| n13         | 15  | 10        | DFT-QPSK   | M       | Outer_Full | NV            | 20               | 2.11          | 0.002698        | ±2.5       | PASS    |
| n13         | 15  | 10        | DFT-QPSK   | M       | Outer_Full | NV            | 30               | 1.69          | 0.002161        | ±2.5       | PASS    |
| n13         | 15  | 10        | DFT-QPSK   | M       | Outer_Full | NV            | 40               | 0.36          | 0.00046         | ±2.5       | PASS    |
| n13         | 15  | 10        | DFT-QPSK   | M       | Outer_Full | NV            | 50               | -0.08         | -0.000102       | ±2.5       | PASS    |