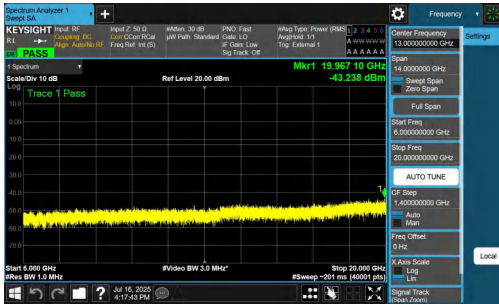
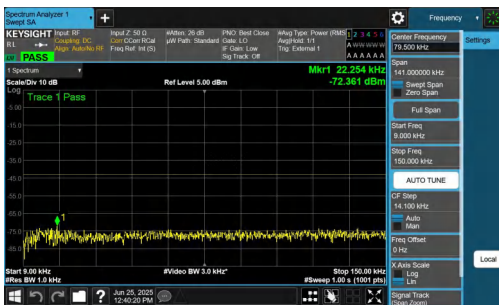




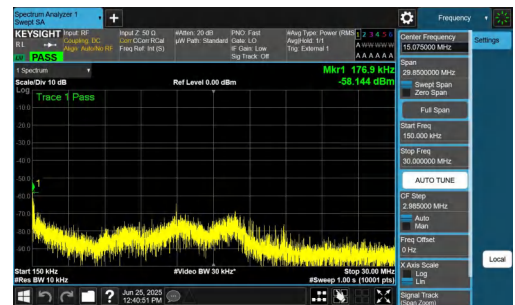
NTNV-n77(3450-3550)-PC2-30-90-M-DFT-BPSK-Inner\_1RB\_Right-6000-20000-PASS



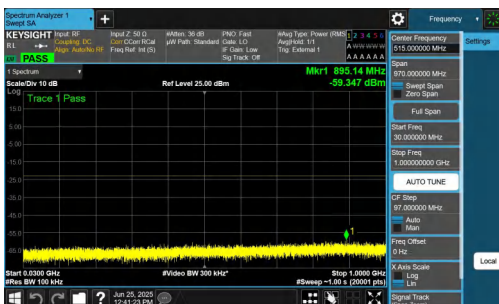
NTNV-n77(3450-3550)-PC2-30-90-M-DFT-BPSK-Inner\_1RB\_Right-20000-40000-PASS



NTNV-n77(3450-3550)-PC2-30-90-M-DFT-QPSK-Inner\_1RB\_Left-0.009-0.15-PASS



NTNV-n77(3450-3550)-PC2-30-90-M-DFT-QPSK-Inner\_1RB\_Left-0.15-30-PASS



NTNV-n77(3450-3550)-PC2-30-90-M-DFT-QPSK-Inner\_1RB\_Left-30-1000-PASS



NTNV-n77(3450-3550)-PC2-30-90-M-DFT-QPSK-Inner\_1RB\_Left-1000-3000-PASS



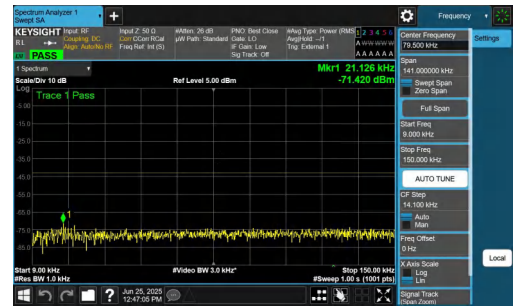
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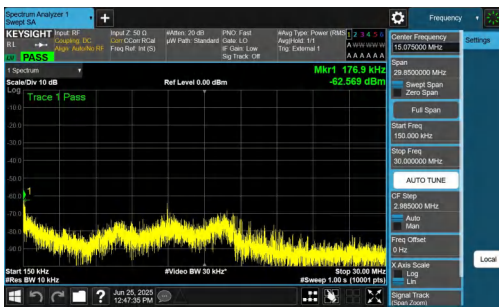
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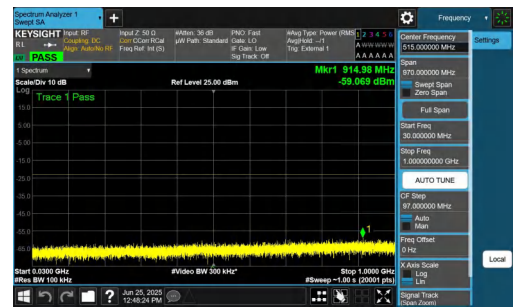
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NTNV-n77(3450-3550)-PC2-30-90-M-DFT-QPSK-Inner\_1RB\_Right-0.09-0.15-PASS



NTNV-n77(3450-3550)-PC2-30-90-M-DFT-QPSK-Inner\_1RB\_Right-0.15-30-PASS



NTNV-n77(3450-3550)-PC2-30-90-M-DFT-QPSK-Inner\_1RB\_Right-30-1000-PASS



NTNV-n77(3450-3550)-PC2-30-90-M-DFT-QPSK-Inner\_1RB\_Right-1000-3000-PASS



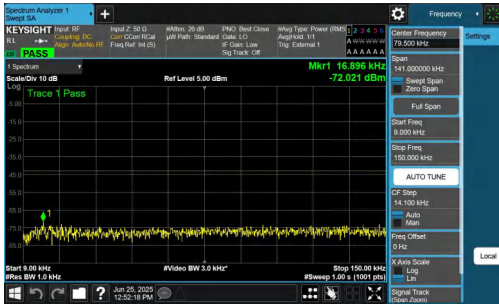
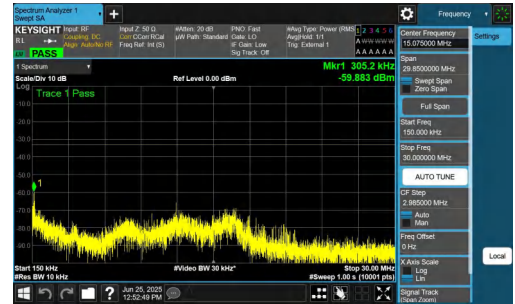
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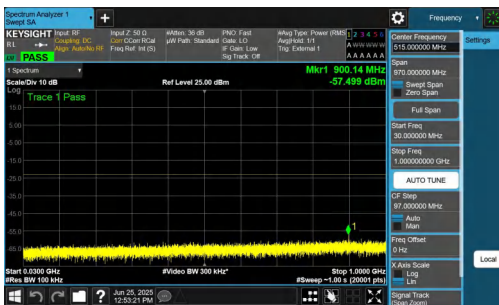
NTNV-n77(3450-3550)-PC2-30-90-M-DFT-QPSK-Inner\_1RB\_Right-6000-20000-PASS



NTNV-n77(3450-3550)-PC2-30-90-M-DFT-QPSK-Inner\_1RB\_Right-20000-40000-PASS


NTNV-n77(3450-3550)-PC2-30-90-H-DFT-BPSK-Inner\_1RB\_Left-0.0  
09-0.15-PASS


NTNV-n77(3450-3550)-PC2-30-90-H-DFT-BPSK-Inner\_1RB\_Left-0.15-30-PASS



NTNV-n77(3450-3550)-PC2-30-90-H-DFT-BPSK-Inner\_1RB\_Left-30-1000-PASS



NTNV-n77(3450-3550)-PC2-30-90-H-DFT-BPSK-Inner\_1RB\_Left-1000-3000-PASS



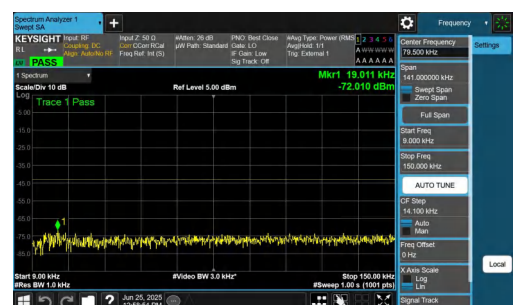
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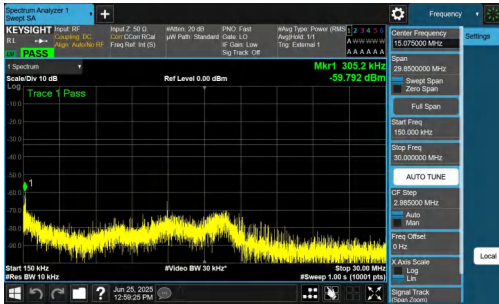
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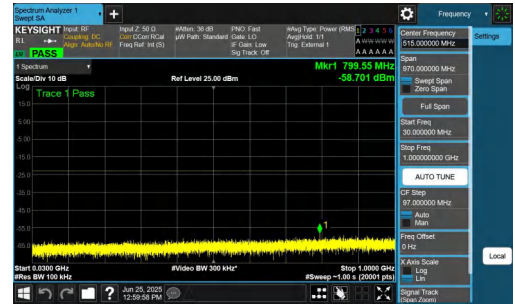
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NTNV-n77(3450-3550)-PC2-30-90-H-DFT-BPSK-Inner\_1RB\_Right-0.0-09-0.15-PASS



NTNV-n77(3450-3550)-PC2-30-90-H-DFT-BPSK-Inner\_1RB\_Right-0.15-30-PASS



NTNV-n77(3450-3550)-PC2-30-90-H-DFT-BPSK-Inner\_1RB\_Right-30-1000-PASS



NTNV-n77(3450-3550)-PC2-30-90-H-DFT-BPSK-Inner\_1RB\_Right-10-00-3000-PASS



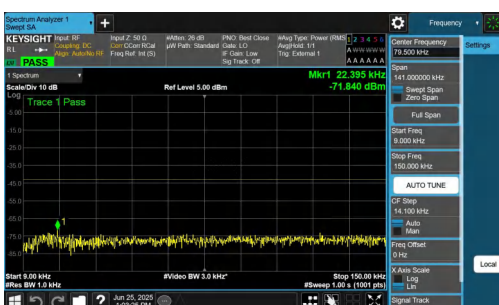
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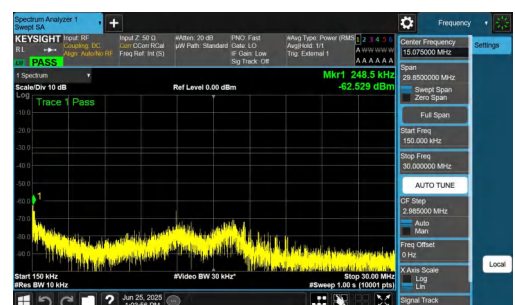
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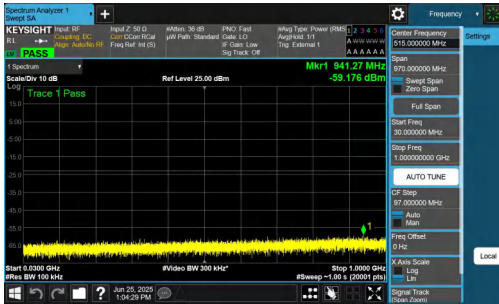
NTNV-n77(3450-3550)-PC2-30-90-H-DFT-BPSK-Inner\_1RB\_Right-20-000-40000-PASS



NTNV-n77(3450-3550)-PC2-30-90-H-DFT-QPSK-Inner\_1RB\_Left-0.09-0.15-PASS



NTNV-n77(3450-3550)-PC2-30-90-H-DFT-QPSK-Inner\_1RB\_Left-0.15-30-PASS



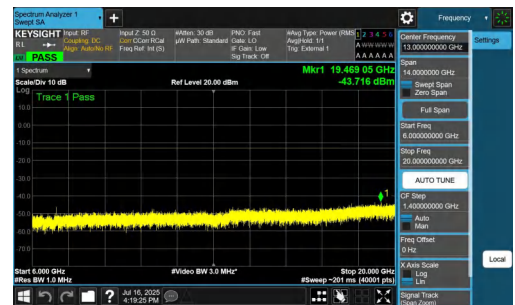
NTNV-n77(3450-3550)-PC2-30-90-H-DFT-QPSK-Inner\_1RB\_Left-30-1000-PASS



NTNV-n77(3450-3550)-PC2-30-90-H-DFT-QPSK-Inner\_1RB\_Left-1000-3000-PASS



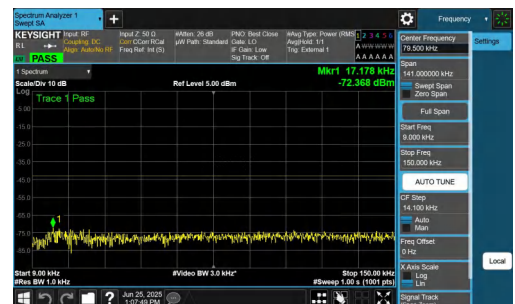
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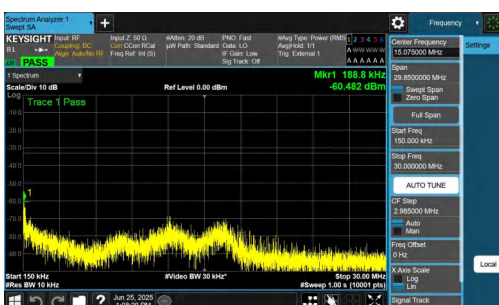
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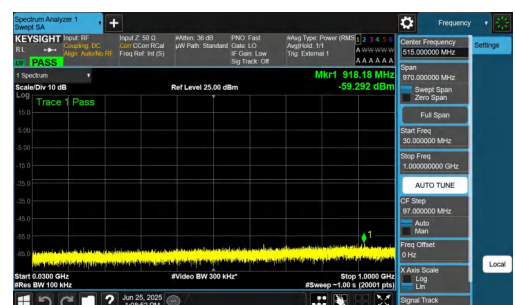
NTNV-n77(3450-3550)-PC2-30-90-H-DFT-QPSK-Inner\_1RB\_Left-20000-0-40000-PASS



NTNV-n77(3450-3550)-PC2-30-90-H-DFT-QPSK-Inner\_1RB\_Right-0.09-0.15-PASS

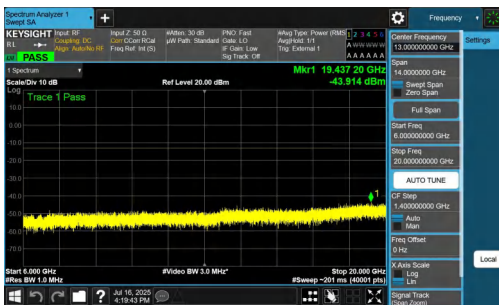


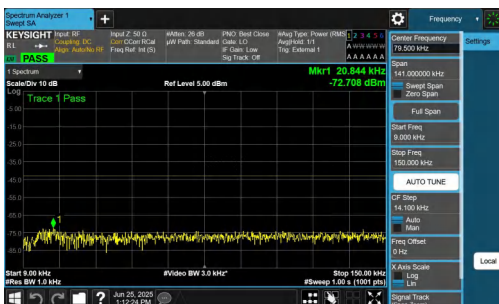
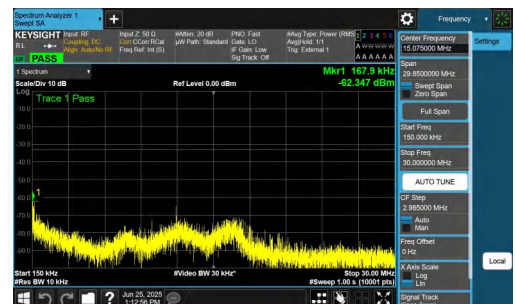
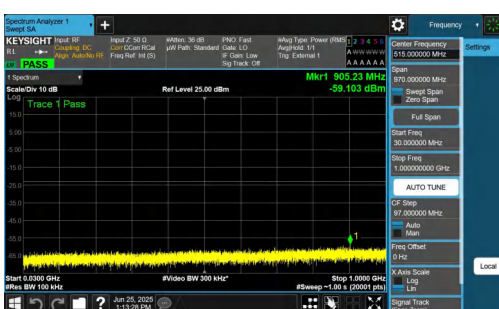
NTNV-n77(3450-3550)-PC2-30-90-H-DFT-QPSK-Inner\_1RB\_Right-0.15-30-PASS



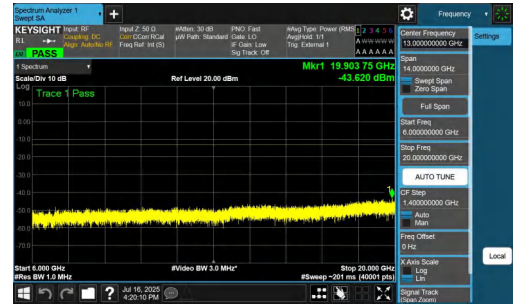
NTNV-n77(3450-3550)-PC2-30-90-H-DFT-QPSK-Inner\_1RB\_Right-30-1000-PASS

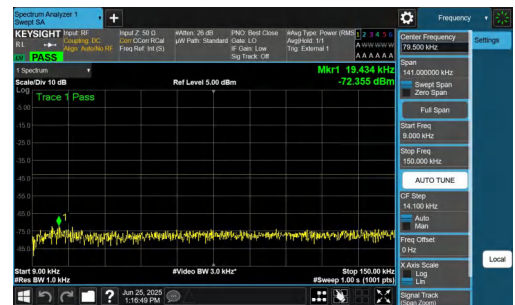
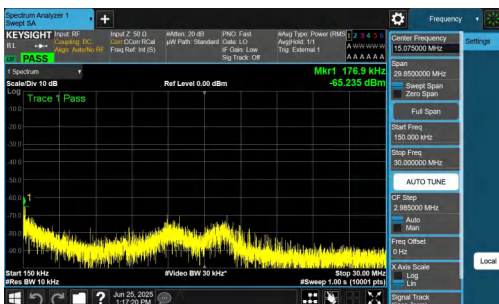
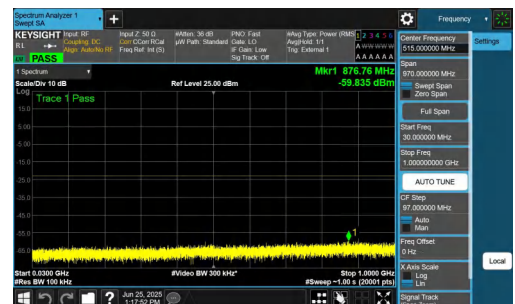

NTNV-n77(3450-3550)-PC2-30-90-H-DFT-QPSK-Inner\_1RB\_Right-1  
000-3000-PASS

NTNV-n77(3450-3550)-PC2-30-90-H-DFT-QPSK-Inner\_1RB\_Right-30  
00-6000-PASS

NTNV-n77(3450-3550)-PC2-30-90-H-DFT-QPSK-Inner\_1RB\_Right-6  
000-20000-PASS

NTNV-n77(3450-3550)-PC2-30-90-H-DFT-QPSK-Inner\_1RB\_Right-20  
000-40000-PASS

NTNV-n77(3450-3550)-PC2-30-100-L-DFT-BPSK-Inner\_1RB\_Left-0.0  
09-0.15-PASS

NTNV-n77(3450-3550)-PC2-30-100-L-DFT-BPSK-Inner\_1RB\_Left-0.1  
5-30-PASS

NTNV-n77(3450-3550)-PC2-30-100-L-DFT-BPSK-Inner\_1RB\_Left-30-  
1000-PASS

NTNV-n77(3450-3550)-PC2-30-100-L-DFT-BPSK-Inner\_1RB\_Left-100  
0-3000-PASS


NTNV-n77(3450-3550)-PC2-30-100-L-DFT-BPSK-Inner\_1RB\_Left-30  
00-6000-PASS

NTNV-n77(3450-3550)-PC2-30-100-L-DFT-BPSK-Inner\_1RB\_Left-600  
0-20000-PASS

NTNV-n77(3450-3550)-PC2-30-100-L-DFT-BPSK-Inner\_1RB\_Left-20  
000-40000-PASS

NTNV-n77(3450-3550)-PC2-30-100-L-DFT-BPSK-Inner\_1RB\_Right-0.  
009-0.15-PASS

NTNV-n77(3450-3550)-PC2-30-100-L-DFT-BPSK-Inner\_1RB\_Right-0  
.15-30-PASS

NTNV-n77(3450-3550)-PC2-30-100-L-DFT-BPSK-Inner\_1RB\_Right-30  
-1000-PASS

NTNV-n77(3450-3550)-PC2-30-100-L-DFT-BPSK-Inner\_1RB\_Right-1  
000-3000-PASS

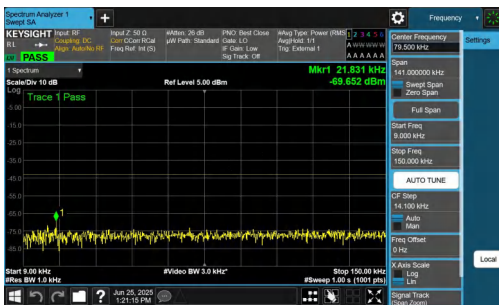
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00-6000-PASS



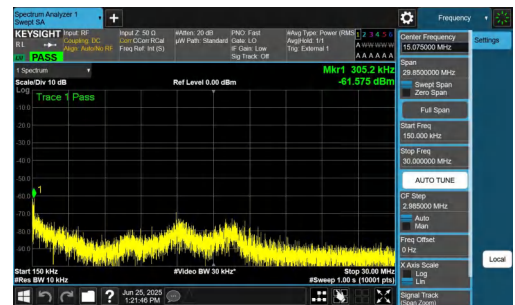
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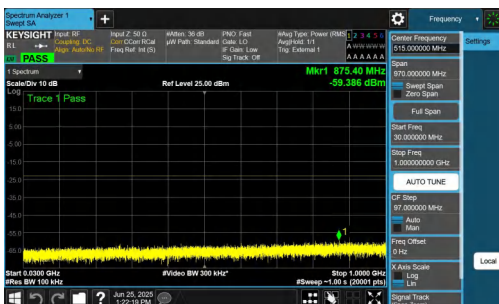
NTNV-n77(3450-3550)-PC2-30-100-L-DFT-BPSK-Inner\_1RB\_Right-2000-40000-PASS



NTNV-n77(3450-3550)-PC2-30-100-L-DFT-QPSK-Inner\_1RB\_Left-0.009-0.15-PASS



NTNV-n77(3450-3550)-PC2-30-100-L-DFT-QPSK-Inner\_1RB\_Left-0.1-5-30-PASS



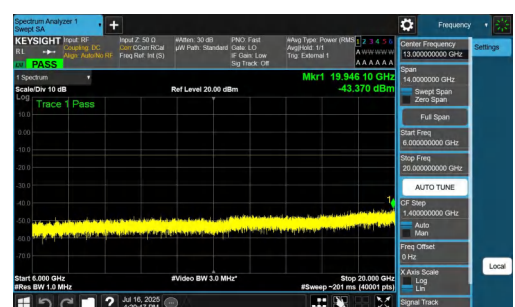
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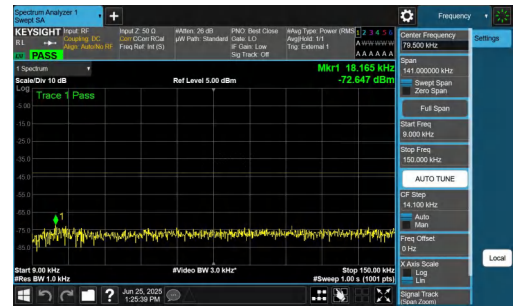
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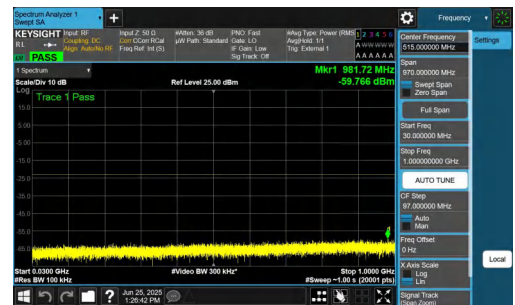


NTNV-n77(3450-3550)-PC2-30-100-L-DFT-QPSK-Inner\_1RB\_Left-30-00-6000-PASS



NTNV-n77(3450-3550)-PC2-30-100-L-DFT-QPSK-Inner\_1RB\_Left-600-0-20000-PASS


NTNV-n77(3450-3550)-PC2-30-100-L-DFT-QPSK-Inner\_1RB\_Left-20  
000-40000-PASS

NTNV-n77(3450-3550)-PC2-30-100-L-DFT-QPSK-Inner\_1RB\_Right-0.  
009-0.15-PASS

NTNV-n77(3450-3550)-PC2-30-100-L-DFT-QPSK-Inner\_1RB\_Right-0  
.15-30-PASS

NTNV-n77(3450-3550)-PC2-30-100-L-DFT-QPSK-Inner\_1RB\_Right-30  
-1000-PASS

NTNV-n77(3450-3550)-PC2-30-100-L-DFT-QPSK-Inner\_1RB\_Right-1  
000-3000-PASS

NTNV-n77(3450-3550)-PC2-30-100-L-DFT-QPSK-Inner\_1RB\_Right-30  
00-6000-PASS

NTNV-n77(3450-3550)-PC2-30-100-L-DFT-QPSK-Inner\_1RB\_Right-6  
000-20000-PASS

NTNV-n77(3450-3550)-PC2-30-100-L-DFT-QPSK-Inner\_1RB\_Right-20  
000-40000-PASS

## Frequency Stability

### Test Result

| Voltage        |     |           |            |         |            |               |                  |                |                 |             |         |
|----------------|-----|-----------|------------|---------|------------|---------------|------------------|----------------|-----------------|-------------|---------|
| Band           | SCS | Bandwidth | Modulation | Channel | RB Config  | Voltage (Vdc) | Temperature (°C) | Deviation (Hz) | Deviation (ppm) | Limit (ppm) | Verdict |
| n77(3450-3550) | 30  | 100       | DFT-QPSK   | M       | Outer_Full | VL            | NT               | -2.57          | -0.000734       | ±2.5        | PASS    |
| n77(3450-3550) | 30  | 100       | DFT-QPSK   | M       | Outer_Full | VN            | NT               | 0.68           | 0.000194        | ±2.5        | PASS    |
| n77(3450-3550) | 30  | 100       | DFT-QPSK   | M       | Outer_Full | VH            | NT               | 0.51           | 0.000146        | ±2.5        | PASS    |

| Temperature    |     |           |            |         |            |               |                  |                |                 |             |         |
|----------------|-----|-----------|------------|---------|------------|---------------|------------------|----------------|-----------------|-------------|---------|
| Band           | SCS | Bandwidth | Modulation | Channel | RB Config  | Voltage (Vdc) | Temperature (°C) | Deviation (Hz) | Deviation (ppm) | Limit (ppm) | Verdict |
| n77(3450-3550) | 30  | 100       | DFT-QPSK   | M       | Outer_Full | NV            | -30              | -7.03          | -0.002009       | ±2.5        | PASS    |
| n77(3450-3550) | 30  | 100       | DFT-QPSK   | M       | Outer_Full | NV            | -20              | -3.23          | -0.000923       | ±2.5        | PASS    |
| n77(3450-3550) | 30  | 100       | DFT-QPSK   | M       | Outer_Full | NV            | -10              | -15.95         | -0.004557       | ±2.5        | PASS    |
| n77(3450-3550) | 30  | 100       | DFT-QPSK   | M       | Outer_Full | NV            | 0                | -4.72          | -0.001349       | ±2.5        | PASS    |
| n77(3450-3550) | 30  | 100       | DFT-QPSK   | M       | Outer_Full | NV            | 10               | -7.47          | -0.002134       | ±2.5        | PASS    |
| n77(3450-3550) | 30  | 100       | DFT-QPSK   | M       | Outer_Full | NV            | 20               | -10.92         | -0.00312        | ±2.5        | PASS    |
| n77(3450-3550) | 30  | 100       | DFT-QPSK   | M       | Outer_Full | NV            | 30               | 1.86           | 0.000531        | ±2.5        | PASS    |
| n77(3450-3550) | 30  | 100       | DFT-QPSK   | M       | Outer_Full | NV            | 40               | -7.09          | -0.002026       | ±2.5        | PASS    |
| n77(3450-3550) | 30  | 100       | DFT-QPSK   | M       | Outer_Full | NV            | 50               | -3.67          | -0.001049       | ±2.5        | PASS    |

## Test Data For MIMO

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

#### Test Result

| Band           | SCS | Bandwidth | Modulation | Channel | RB Config       | Power<br>Ant1<br>(dBm) | Power<br>Ant2<br>(dBm) | Total<br>Power<br>(dBm) | Gain<br>(dBi) | E(I)RP<br>(dBm) | Limit<br>(dBm) | Verdict |
|----------------|-----|-----------|------------|---------|-----------------|------------------------|------------------------|-------------------------|---------------|-----------------|----------------|---------|
| n77(3450-3550) | 30  | 10        | DFT-BPSK   | L       | Inner_1RB_Left  | 25.39                  | 25.52                  | 28.47                   | -0.64         | 27.83           | 30             | PASS    |
| n77(3450-3550) | 30  | 10        | DFT-BPSK   | L       | Inner_1RB_Right | 25.39                  | 25.54                  | 28.47                   | -0.64         | 27.83           | 30             | PASS    |
| n77(3450-3550) | 30  | 10        | DFT-BPSK   | L       | Inner_Full      | 25.49                  | 25.54                  | 28.52                   | -0.64         | 27.88           | 30             | PASS    |
| n77(3450-3550) | 30  | 10        | DFT-BPSK   | L       | Outer_Full      | 23.92                  | 23.96                  | 26.95                   | -0.64         | 26.31           | 30             | PASS    |
| n77(3450-3550) | 30  | 10        | DFT-QPSK   | L       | Inner_1RB_Left  | 25.48                  | 25.58                  | 28.54                   | -0.64         | 27.9            | 30             | PASS    |
| n77(3450-3550) | 30  | 10        | DFT-QPSK   | L       | Inner_1RB_Right | 25.46                  | 25.36                  | 28.42                   | -0.64         | 27.78           | 30             | PASS    |
| n77(3450-3550) | 30  | 10        | DFT-QPSK   | L       | Inner_Full      | 25.43                  | 25.54                  | 28.5                    | -0.64         | 27.86           | 30             | PASS    |
| n77(3450-3550) | 30  | 10        | DFT-QPSK   | L       | Outer_Full      | 23.37                  | 23.51                  | 26.45                   | -0.64         | 25.81           | 30             | PASS    |
| n77(3450-3550) | 30  | 10        | DFT-16QAM  | L       | Inner_1RB_Left  | 24.34                  | 24.35                  | 27.36                   | -0.64         | 26.72           | 30             | PASS    |
| n77(3450-3550) | 30  | 10        | DFT-16QAM  | L       | Inner_1RB_Right | 24.28                  | 24.58                  | 27.44                   | -0.64         | 26.8            | 30             | PASS    |
| n77(3450-3550) | 30  | 10        | DFT-16QAM  | L       | Inner_Full      | 24.37                  | 24.4                   | 27.4                    | -0.64         | 26.76           | 30             | PASS    |
| n77(3450-3550) | 30  | 10        | DFT-16QAM  | L       | Outer_Full      | 22.39                  | 22.51                  | 25.46                   | -0.64         | 24.82           | 30             | PASS    |
| n77(3450-3550) | 30  | 10        | DFT-64QAM  | L       | Inner_1RB_Left  | 22.56                  | 22.54                  | 25.56                   | -0.64         | 24.92           | 30             | PASS    |
| n77(3450-3550) | 30  | 10        | DFT-64QAM  | L       | Inner_1RB_Right | 22.35                  | 22.57                  | 25.47                   | -0.64         | 24.83           | 30             | PASS    |
| n77(3450-3550) | 30  | 10        | DFT-64QAM  | L       | Inner_Full      | 22.44                  | 22.56                  | 25.51                   | -0.64         | 24.87           | 30             | PASS    |
| n77(3450-3550) | 30  | 10        | DFT-64QAM  | L       | Outer_Full      | 22                     | 22.04                  | 25.03                   | -0.64         | 24.39           | 30             | PASS    |
| n77(3450-3550) | 30  | 10        | DFT-256QAM | L       | Inner_1RB_Left  | 19.89                  | 19.92                  | 22.92                   | -0.64         | 22.28           | 30             | PASS    |
| n77(3450-3550) | 30  | 10        | DFT-256QAM | L       | Inner_1RB_Right | 19.91                  | 20.15                  | 23.04                   | -0.64         | 22.4            | 30             | PASS    |
| n77(3450-3550) | 30  | 10        | DFT-256QAM | L       | Inner_Full      | 19.92                  | 19.95                  | 22.94                   | -0.64         | 22.3            | 30             | PASS    |
| n77(3450-3550) | 30  | 10        | DFT-256QAM | L       | Outer_Full      | 19.89                  | 20.04                  | 22.98                   | -0.64         | 22.34           | 30             | PASS    |
| n77(3450-3550) | 30  | 10        | DFT-BPSK   | M       | Inner_1RB_Left  | 25.42                  | 25.62                  | 28.53                   | -0.64         | 27.89           | 30             | PASS    |
| n77(3450-3550) | 30  | 10        | DFT-BPSK   | M       | Inner_1RB_Right | 25.55                  | 25.66                  | 28.62                   | -0.64         | 27.98           | 30             | PASS    |
| n77(3450-3550) | 30  | 10        | DFT-BPSK   | M       | Inner_Full      | 25.53                  | 25.74                  | 28.64                   | -0.64         | 28              | 30             | PASS    |
| n77(3450-3550) | 30  | 10        | DFT-BPSK   | M       | Outer_Full      | 24                     | 24.19                  | 27.11                   | -0.64         | 26.47           | 30             | PASS    |
| n77(3450-3550) | 30  | 10        | DFT-QPSK   | M       | Inner_1RB_Left  | 25.51                  | 25.75                  | 28.64                   | -0.64         | 28              | 30             | PASS    |
| n77(3450-3550) | 30  | 10        | DFT-QPSK   | M       | Inner_1RB_Right | 25.52                  | 25.77                  | 28.66                   | -0.64         | 28.02           | 30             | PASS    |
| n77(3450-3550) | 30  | 10        | DFT-QPSK   | M       | Inner_Full      | 25.46                  | 25.76                  | 28.62                   | -0.64         | 27.98           | 30             | PASS    |
| n77(3450-3550) | 30  | 10        | DFT-QPSK   | M       | Outer_Full      | 23.41                  | 23.64                  | 26.54                   | -0.64         | 25.9            | 30             | PASS    |
| n77(3450-3550) | 30  | 10        | DFT-16QAM  | M       | Inner_1RB_Left  | 24.39                  | 24.73                  | 27.57                   | -0.64         | 26.93           | 30             | PASS    |
| n77(3450-3550) | 30  | 10        | DFT-16QAM  | M       | Inner_1RB_Right | 24.42                  | 24.69                  | 27.57                   | -0.64         | 26.93           | 30             | PASS    |
| n77(3450-3550) | 30  | 10        | DFT-16QAM  | M       | Inner_Full      | 24.36                  | 24.58                  | 27.48                   | -0.64         | 26.84           | 30             | PASS    |
| n77(3450-3550) | 30  | 10        | DFT-16QAM  | M       | Outer_Full      | 22.45                  | 22.68                  | 25.58                   | -0.64         | 24.94           | 30             | PASS    |
| n77(3450-3550) | 30  | 10        | DFT-64QAM  | M       | Inner_1RB_Left  | 22.44                  | 22.55                  | 25.51                   | -0.64         | 24.87           | 30             | PASS    |

|                |    |    |            |   |                 |       |       |       |       |       |    |      |
|----------------|----|----|------------|---|-----------------|-------|-------|-------|-------|-------|----|------|
| n77(3450-3550) | 30 | 10 | DFT-64QAM  | M | Inner_1RB_Right | 22.5  | 22.72 | 25.62 | -0.64 | 24.98 | 30 | PASS |
| n77(3450-3550) | 30 | 10 | DFT-64QAM  | M | Inner_Full      | 22.52 | 22.8  | 25.67 | -0.64 | 25.03 | 30 | PASS |
| n77(3450-3550) | 30 | 10 | DFT-64QAM  | M | Outer_Full      | 22.04 | 22.18 | 25.12 | -0.64 | 24.48 | 30 | PASS |
| n77(3450-3550) | 30 | 10 | DFT-256QAM | M | Inner_1RB_Left  | 19.99 | 20.23 | 23.12 | -0.64 | 22.48 | 30 | PASS |
| n77(3450-3550) | 30 | 10 | DFT-256QAM | M | Inner_1RB_Right | 19.96 | 20.15 | 23.07 | -0.64 | 22.43 | 30 | PASS |
| n77(3450-3550) | 30 | 10 | DFT-256QAM | M | Inner_Full      | 19.94 | 20.18 | 23.07 | -0.64 | 22.43 | 30 | PASS |
| n77(3450-3550) | 30 | 10 | DFT-256QAM | M | Outer_Full      | 20.03 | 20.27 | 23.16 | -0.64 | 22.52 | 30 | PASS |
| n77(3450-3550) | 30 | 10 | DFT-BPSK   | H | Inner_1RB_Left  | 25.52 | 25.57 | 28.56 | -0.64 | 27.92 | 30 | PASS |
| n77(3450-3550) | 30 | 10 | DFT-BPSK   | H | Inner_1RB_Right | 25.55 | 25.48 | 28.53 | -0.64 | 27.89 | 30 | PASS |
| n77(3450-3550) | 30 | 10 | DFT-BPSK   | H | Inner_Full      | 25.5  | 25.44 | 28.48 | -0.64 | 27.84 | 30 | PASS |
| n77(3450-3550) | 30 | 10 | DFT-BPSK   | H | Outer_Full      | 23.99 | 23.95 | 26.98 | -0.64 | 26.34 | 30 | PASS |
| n77(3450-3550) | 30 | 10 | DFT-QPSK   | H | Inner_1RB_Left  | 25.54 | 25.61 | 28.59 | -0.64 | 27.95 | 30 | PASS |
| n77(3450-3550) | 30 | 10 | DFT-QPSK   | H | Inner_1RB_Right | 25.59 | 25.48 | 28.55 | -0.64 | 27.91 | 30 | PASS |
| n77(3450-3550) | 30 | 10 | DFT-QPSK   | H | Inner_Full      | 25.59 | 25.63 | 28.62 | -0.64 | 27.98 | 30 | PASS |
| n77(3450-3550) | 30 | 10 | DFT-QPSK   | H | Outer_Full      | 23.57 | 23.66 | 26.63 | -0.64 | 25.99 | 30 | PASS |
| n77(3450-3550) | 30 | 10 | DFT-16QAM  | H | Inner_1RB_Left  | 24.5  | 24.59 | 27.56 | -0.64 | 26.92 | 30 | PASS |
| n77(3450-3550) | 30 | 10 | DFT-16QAM  | H | Inner_1RB_Right | 24.48 | 24.36 | 27.43 | -0.64 | 26.79 | 30 | PASS |
| n77(3450-3550) | 30 | 10 | DFT-16QAM  | H | Inner_Full      | 24.33 | 24.35 | 27.35 | -0.64 | 26.71 | 30 | PASS |
| n77(3450-3550) | 30 | 10 | DFT-16QAM  | H | Outer_Full      | 22.62 | 22.53 | 25.58 | -0.64 | 24.94 | 30 | PASS |
| n77(3450-3550) | 30 | 10 | DFT-64QAM  | H | Inner_1RB_Left  | 22.73 | 22.74 | 25.74 | -0.64 | 25.1  | 30 | PASS |
| n77(3450-3550) | 30 | 10 | DFT-64QAM  | H | Inner_1RB_Right | 22.78 | 22.73 | 25.76 | -0.64 | 25.12 | 30 | PASS |
| n77(3450-3550) | 30 | 10 | DFT-64QAM  | H | Inner_Full      | 22.56 | 22.52 | 25.55 | -0.64 | 24.91 | 30 | PASS |
| n77(3450-3550) | 30 | 10 | DFT-64QAM  | H | Outer_Full      | 22    | 21.97 | 24.99 | -0.64 | 24.35 | 30 | PASS |
| n77(3450-3550) | 30 | 10 | DFT-256QAM | H | Inner_1RB_Left  | 19.88 | 19.91 | 22.91 | -0.64 | 22.27 | 30 | PASS |
| n77(3450-3550) | 30 | 10 | DFT-256QAM | H | Inner_1RB_Right | 20.06 | 20.07 | 23.08 | -0.64 | 22.44 | 30 | PASS |
| n77(3450-3550) | 30 | 10 | DFT-256QAM | H | Inner_Full      | 20.04 | 20    | 23.03 | -0.64 | 22.39 | 30 | PASS |
| n77(3450-3550) | 30 | 10 | DFT-256QAM | H | Outer_Full      | 20.06 | 20.04 | 23.06 | -0.64 | 22.42 | 30 | PASS |
| n77(3450-3550) | 30 | 15 | DFT-BPSK   | L | Inner_1RB_Left  | 25.51 | 25.63 | 28.58 | -0.64 | 27.94 | 30 | PASS |
| n77(3450-3550) | 30 | 15 | DFT-BPSK   | L | Inner_1RB_Right | 25.42 | 25.45 | 28.44 | -0.64 | 27.8  | 30 | PASS |
| n77(3450-3550) | 30 | 15 | DFT-BPSK   | L | Inner_Full      | 25.46 | 25.63 | 28.56 | -0.64 | 27.92 | 30 | PASS |
| n77(3450-3550) | 30 | 15 | DFT-BPSK   | L | Outer_Full      | 23.88 | 23.97 | 26.94 | -0.64 | 26.3  | 30 | PASS |
| n77(3450-3550) | 30 | 15 | DFT-QPSK   | L | Inner_1RB_Left  | 25.45 | 25.56 | 28.52 | -0.64 | 27.88 | 30 | PASS |
| n77(3450-3550) | 30 | 15 | DFT-QPSK   | L | Inner_1RB_Right | 25.34 | 25.41 | 28.39 | -0.64 | 27.75 | 30 | PASS |
| n77(3450-3550) | 30 | 15 | DFT-QPSK   | L | Inner_Full      | 25.42 | 25.49 | 28.47 | -0.64 | 27.83 | 30 | PASS |
| n77(3450-3550) | 30 | 15 | DFT-QPSK   | L | Outer_Full      | 23.29 | 23.59 | 26.45 | -0.64 | 25.81 | 30 | PASS |
| n77(3450-3550) | 30 | 15 | DFT-16QAM  | L | Inner_1RB_Left  | 24.39 | 24.59 | 27.5  | -0.64 | 26.86 | 30 | PASS |
| n77(3450-3550) | 30 | 15 | DFT-16QAM  | L | Inner_1RB_Right | 24.17 | 24.35 | 27.27 | -0.64 | 26.63 | 30 | PASS |
| n77(3450-3550) | 30 | 15 | DFT-16QAM  | L | Inner_Full      | 24.33 | 24.69 | 27.52 | -0.64 | 26.88 | 30 | PASS |
| n77(3450-3550) | 30 | 15 | DFT-16QAM  | L | Outer_Full      | 22.32 | 22.4  | 25.37 | -0.64 | 24.73 | 30 | PASS |
| n77(3450-3550) | 30 | 15 | DFT-64QAM  | L | Inner_1RB_Left  | 22.52 | 22.63 | 25.59 | -0.64 | 24.95 | 30 | PASS |
| n77(3450-3550) | 30 | 15 | DFT-64QAM  | L | Inner_1RB_Right | 22.42 | 22.58 | 25.51 | -0.64 | 24.87 | 30 | PASS |

|                |    |    |            |   |                 |       |       |       |       |       |    |      |
|----------------|----|----|------------|---|-----------------|-------|-------|-------|-------|-------|----|------|
| n77(3450-3550) | 30 | 15 | DFT-64QAM  | L | Inner_Full      | 22.45 | 22.53 | 25.5  | -0.64 | 24.86 | 30 | PASS |
| n77(3450-3550) | 30 | 15 | DFT-64QAM  | L | Outer_Full      | 21.83 | 22.03 | 24.94 | -0.64 | 24.3  | 30 | PASS |
| n77(3450-3550) | 30 | 15 | DFT-256QAM | L | Inner_1RB_Left  | 20.03 | 19.92 | 22.99 | -0.64 | 22.35 | 30 | PASS |
| n77(3450-3550) | 30 | 15 | DFT-256QAM | L | Inner_1RB_Right | 19.9  | 19.9  | 22.91 | -0.64 | 22.27 | 30 | PASS |
| n77(3450-3550) | 30 | 15 | DFT-256QAM | L | Inner_Full      | 19.98 | 20.17 | 23.09 | -0.64 | 22.45 | 30 | PASS |
| n77(3450-3550) | 30 | 15 | DFT-256QAM | L | Outer_Full      | 19.89 | 19.99 | 22.95 | -0.64 | 22.31 | 30 | PASS |
| n77(3450-3550) | 30 | 15 | DFT-BPSK   | M | Inner_1RB_Left  | 25.57 | 25.6  | 28.6  | -0.64 | 27.96 | 30 | PASS |
| n77(3450-3550) | 30 | 15 | DFT-BPSK   | M | Inner_1RB_Right | 25.66 | 25.66 | 28.67 | -0.64 | 28.03 | 30 | PASS |
| n77(3450-3550) | 30 | 15 | DFT-BPSK   | M | Inner_Full      | 25.69 | 25.75 | 28.73 | -0.64 | 28.09 | 30 | PASS |
| n77(3450-3550) | 30 | 15 | DFT-BPSK   | M | Outer_Full      | 24.1  | 24.07 | 27.1  | -0.64 | 26.46 | 30 | PASS |
| n77(3450-3550) | 30 | 15 | DFT-QPSK   | M | Inner_1RB_Left  | 25.52 | 25.69 | 28.61 | -0.64 | 27.97 | 30 | PASS |
| n77(3450-3550) | 30 | 15 | DFT-QPSK   | M | Inner_1RB_Right | 25.62 | 25.63 | 28.63 | -0.64 | 27.99 | 30 | PASS |
| n77(3450-3550) | 30 | 15 | DFT-QPSK   | M | Inner_Full      | 25.65 | 25.78 | 28.73 | -0.64 | 28.09 | 30 | PASS |
| n77(3450-3550) | 30 | 15 | DFT-QPSK   | M | Outer_Full      | 23.49 | 23.7  | 26.6  | -0.64 | 25.96 | 30 | PASS |
| n77(3450-3550) | 30 | 15 | DFT-16QAM  | M | Inner_1RB_Left  | 24.55 | 24.75 | 27.66 | -0.64 | 27.02 | 30 | PASS |
| n77(3450-3550) | 30 | 15 | DFT-16QAM  | M | Inner_1RB_Right | 24.61 | 24.64 | 27.63 | -0.64 | 26.99 | 30 | PASS |
| n77(3450-3550) | 30 | 15 | DFT-16QAM  | M | Inner_Full      | 24.52 | 24.59 | 27.56 | -0.64 | 26.92 | 30 | PASS |
| n77(3450-3550) | 30 | 15 | DFT-16QAM  | M | Outer_Full      | 22.52 | 22.61 | 25.58 | -0.64 | 24.94 | 30 | PASS |
| n77(3450-3550) | 30 | 15 | DFT-64QAM  | M | Inner_1RB_Left  | 22.62 | 22.66 | 25.65 | -0.64 | 25.01 | 30 | PASS |
| n77(3450-3550) | 30 | 15 | DFT-64QAM  | M | Inner_1RB_Right | 22.64 | 22.55 | 25.61 | -0.64 | 24.97 | 30 | PASS |
| n77(3450-3550) | 30 | 15 | DFT-64QAM  | M | Inner_Full      | 22.43 | 22.61 | 25.53 | -0.64 | 24.89 | 30 | PASS |
| n77(3450-3550) | 30 | 15 | DFT-64QAM  | M | Outer_Full      | 22.01 | 22.11 | 25.07 | -0.64 | 24.43 | 30 | PASS |
| n77(3450-3550) | 30 | 15 | DFT-256QAM | M | Inner_1RB_Left  | 19.87 | 20.05 | 22.97 | -0.64 | 22.33 | 30 | PASS |
| n77(3450-3550) | 30 | 15 | DFT-256QAM | M | Inner_1RB_Right | 20.11 | 20.1  | 23.11 | -0.64 | 22.47 | 30 | PASS |
| n77(3450-3550) | 30 | 15 | DFT-256QAM | M | Inner_Full      | 20.18 | 20.31 | 23.25 | -0.64 | 22.61 | 30 | PASS |
| n77(3450-3550) | 30 | 15 | DFT-256QAM | M | Outer_Full      | 20.06 | 20.2  | 23.14 | -0.64 | 22.5  | 30 | PASS |
| n77(3450-3550) | 30 | 15 | DFT-BPSK   | H | Inner_1RB_Left  | 25.53 | 25.46 | 28.51 | -0.64 | 27.87 | 30 | PASS |
| n77(3450-3550) | 30 | 15 | DFT-BPSK   | H | Inner_1RB_Right | 25.54 | 25.39 | 28.47 | -0.64 | 27.83 | 30 | PASS |
| n77(3450-3550) | 30 | 15 | DFT-BPSK   | H | Inner_Full      | 25.64 | 25.49 | 28.58 | -0.64 | 27.94 | 30 | PASS |
| n77(3450-3550) | 30 | 15 | DFT-BPSK   | H | Outer_Full      | 24.01 | 23.89 | 26.96 | -0.64 | 26.32 | 30 | PASS |
| n77(3450-3550) | 30 | 15 | DFT-QPSK   | H | Inner_1RB_Left  | 25.63 | 25.61 | 28.63 | -0.64 | 27.99 | 30 | PASS |
| n77(3450-3550) | 30 | 15 | DFT-QPSK   | H | Inner_1RB_Right | 25.55 | 25.34 | 28.45 | -0.64 | 27.81 | 30 | PASS |
| n77(3450-3550) | 30 | 15 | DFT-QPSK   | H | Inner_Full      | 25.55 | 25.51 | 28.54 | -0.64 | 27.9  | 30 | PASS |
| n77(3450-3550) | 30 | 15 | DFT-QPSK   | H | Outer_Full      | 23.45 | 23.48 | 26.47 | -0.64 | 25.83 | 30 | PASS |
| n77(3450-3550) | 30 | 15 | DFT-16QAM  | H | Inner_1RB_Left  | 24.45 | 24.45 | 27.46 | -0.64 | 26.82 | 30 | PASS |
| n77(3450-3550) | 30 | 15 | DFT-16QAM  | H | Inner_1RB_Right | 24.41 | 24.27 | 27.35 | -0.64 | 26.71 | 30 | PASS |
| n77(3450-3550) | 30 | 15 | DFT-16QAM  | H | Inner_Full      | 24.73 | 24.38 | 27.57 | -0.64 | 26.93 | 30 | PASS |
| n77(3450-3550) | 30 | 15 | DFT-16QAM  | H | Outer_Full      | 22.49 | 22.39 | 25.45 | -0.64 | 24.81 | 30 | PASS |
| n77(3450-3550) | 30 | 15 | DFT-64QAM  | H | Inner_1RB_Left  | 22.55 | 22.58 | 25.57 | -0.64 | 24.93 | 30 | PASS |
| n77(3450-3550) | 30 | 15 | DFT-64QAM  | H | Inner_1RB_Right | 22.62 | 22.51 | 25.58 | -0.64 | 24.94 | 30 | PASS |
| n77(3450-3550) | 30 | 15 | DFT-64QAM  | H | Inner_Full      | 22.59 | 22.57 | 25.59 | -0.64 | 24.95 | 30 | PASS |

|                |    |    |            |   |                 |       |       |       |       |       |    |      |
|----------------|----|----|------------|---|-----------------|-------|-------|-------|-------|-------|----|------|
| n77(3450-3550) | 30 | 15 | DFT-64QAM  | H | Outer_Full      | 22.07 | 21.98 | 25.03 | -0.64 | 24.39 | 30 | PASS |
| n77(3450-3550) | 30 | 15 | DFT-256QAM | H | Inner_1RB_Left  | 19.95 | 19.93 | 22.95 | -0.64 | 22.31 | 30 | PASS |
| n77(3450-3550) | 30 | 15 | DFT-256QAM | H | Inner_1RB_Right | 19.95 | 19.81 | 22.89 | -0.64 | 22.25 | 30 | PASS |
| n77(3450-3550) | 30 | 15 | DFT-256QAM | H | Inner_Full      | 20.09 | 20.02 | 23.07 | -0.64 | 22.43 | 30 | PASS |
| n77(3450-3550) | 30 | 15 | DFT-256QAM | H | Outer_Full      | 20.06 | 19.92 | 23    | -0.64 | 22.36 | 30 | PASS |
| n77(3450-3550) | 30 | 20 | DFT-BPSK   | L | Inner_1RB_Left  | 25.36 | 25.58 | 28.48 | -0.64 | 27.84 | 30 | PASS |
| n77(3450-3550) | 30 | 20 | DFT-BPSK   | L | Inner_1RB_Right | 25.27 | 25.43 | 28.36 | -0.64 | 27.72 | 30 | PASS |
| n77(3450-3550) | 30 | 20 | DFT-BPSK   | L | Inner_Full      | 25.35 | 25.57 | 28.47 | -0.64 | 27.83 | 30 | PASS |
| n77(3450-3550) | 30 | 20 | DFT-BPSK   | L | Outer_Full      | 23.93 | 24.11 | 27.03 | -0.64 | 26.39 | 30 | PASS |
| n77(3450-3550) | 30 | 20 | DFT-QPSK   | L | Inner_1RB_Left  | 25.5  | 25.53 | 28.53 | -0.64 | 27.89 | 30 | PASS |
| n77(3450-3550) | 30 | 20 | DFT-QPSK   | L | Inner_1RB_Right | 25.33 | 25.53 | 28.44 | -0.64 | 27.8  | 30 | PASS |
| n77(3450-3550) | 30 | 20 | DFT-QPSK   | L | Inner_Full      | 25.41 | 25.6  | 28.52 | -0.64 | 27.88 | 30 | PASS |
| n77(3450-3550) | 30 | 20 | DFT-QPSK   | L | Outer_Full      | 23.46 | 23.64 | 26.56 | -0.64 | 25.92 | 30 | PASS |
| n77(3450-3550) | 30 | 20 | DFT-16QAM  | L | Inner_1RB_Left  | 24.39 | 24.43 | 27.42 | -0.64 | 26.78 | 30 | PASS |
| n77(3450-3550) | 30 | 20 | DFT-16QAM  | L | Inner_1RB_Right | 24.29 | 24.43 | 27.37 | -0.64 | 26.73 | 30 | PASS |
| n77(3450-3550) | 30 | 20 | DFT-16QAM  | L | Inner_Full      | 24.4  | 24.52 | 27.47 | -0.64 | 26.83 | 30 | PASS |
| n77(3450-3550) | 30 | 20 | DFT-16QAM  | L | Outer_Full      | 22.38 | 22.58 | 25.49 | -0.64 | 24.85 | 30 | PASS |
| n77(3450-3550) | 30 | 20 | DFT-64QAM  | L | Inner_1RB_Left  | 22.39 | 22.54 | 25.47 | -0.64 | 24.83 | 30 | PASS |
| n77(3450-3550) | 30 | 20 | DFT-64QAM  | L | Inner_1RB_Right | 22.29 | 22.44 | 25.38 | -0.64 | 24.74 | 30 | PASS |
| n77(3450-3550) | 30 | 20 | DFT-64QAM  | L | Inner_Full      | 22.31 | 22.53 | 25.43 | -0.64 | 24.79 | 30 | PASS |
| n77(3450-3550) | 30 | 20 | DFT-64QAM  | L | Outer_Full      | 21.87 | 22.05 | 24.97 | -0.64 | 24.33 | 30 | PASS |
| n77(3450-3550) | 30 | 20 | DFT-256QAM | L | Inner_1RB_Left  | 19.85 | 19.91 | 22.89 | -0.64 | 22.25 | 30 | PASS |
| n77(3450-3550) | 30 | 20 | DFT-256QAM | L | Inner_1RB_Right | 19.75 | 20.03 | 22.9  | -0.64 | 22.26 | 30 | PASS |
| n77(3450-3550) | 30 | 20 | DFT-256QAM | L | Inner_Full      | 19.82 | 19.97 | 22.91 | -0.64 | 22.27 | 30 | PASS |
| n77(3450-3550) | 30 | 20 | DFT-256QAM | L | Outer_Full      | 19.86 | 20.11 | 23    | -0.64 | 22.36 | 30 | PASS |
| n77(3450-3550) | 30 | 20 | DFT-BPSK   | M | Inner_1RB_Left  | 25.56 | 25.58 | 28.58 | -0.64 | 27.94 | 30 | PASS |
| n77(3450-3550) | 30 | 20 | DFT-BPSK   | M | Inner_1RB_Right | 25.51 | 25.51 | 28.52 | -0.64 | 27.88 | 30 | PASS |
| n77(3450-3550) | 30 | 20 | DFT-BPSK   | M | Inner_Full      | 25.58 | 25.66 | 28.63 | -0.64 | 27.99 | 30 | PASS |
| n77(3450-3550) | 30 | 20 | DFT-BPSK   | M | Outer_Full      | 24.13 | 24.24 | 27.2  | -0.64 | 26.56 | 30 | PASS |
| n77(3450-3550) | 30 | 20 | DFT-QPSK   | M | Inner_1RB_Left  | 25.48 | 25.61 | 28.56 | -0.64 | 27.92 | 30 | PASS |
| n77(3450-3550) | 30 | 20 | DFT-QPSK   | M | Inner_1RB_Right | 25.55 | 25.41 | 28.49 | -0.64 | 27.85 | 30 | PASS |
| n77(3450-3550) | 30 | 20 | DFT-QPSK   | M | Inner_Full      | 25.59 | 25.66 | 28.64 | -0.64 | 28    | 30 | PASS |
| n77(3450-3550) | 30 | 20 | DFT-QPSK   | M | Outer_Full      | 23.61 | 23.64 | 26.64 | -0.64 | 26    | 30 | PASS |
| n77(3450-3550) | 30 | 20 | DFT-16QAM  | M | Inner_1RB_Left  | 24.48 | 24.49 | 27.49 | -0.64 | 26.85 | 30 | PASS |
| n77(3450-3550) | 30 | 20 | DFT-16QAM  | M | Inner_1RB_Right | 24.47 | 24.32 | 27.4  | -0.64 | 26.76 | 30 | PASS |
| n77(3450-3550) | 30 | 20 | DFT-16QAM  | M | Inner_Full      | 24.52 | 24.59 | 27.57 | -0.64 | 26.93 | 30 | PASS |
| n77(3450-3550) | 30 | 20 | DFT-16QAM  | M | Outer_Full      | 22.59 | 22.71 | 25.66 | -0.64 | 25.02 | 30 | PASS |
| n77(3450-3550) | 30 | 20 | DFT-64QAM  | M | Inner_1RB_Left  | 22.5  | 22.6  | 25.56 | -0.64 | 24.92 | 30 | PASS |
| n77(3450-3550) | 30 | 20 | DFT-64QAM  | M | Inner_1RB_Right | 22.56 | 22.41 | 25.49 | -0.64 | 24.85 | 30 | PASS |
| n77(3450-3550) | 30 | 20 | DFT-64QAM  | M | Inner_Full      | 22.47 | 22.62 | 25.56 | -0.64 | 24.92 | 30 | PASS |
| n77(3450-3550) | 30 | 20 | DFT-64QAM  | M | Outer_Full      | 22.04 | 22.15 | 25.11 | -0.64 | 24.47 | 30 | PASS |

|                |    |    |            |   |                 |       |       |       |       |       |    |      |
|----------------|----|----|------------|---|-----------------|-------|-------|-------|-------|-------|----|------|
| n77(3450-3550) | 30 | 20 | DFT-256QAM | M | Inner_1RB_Left  | 20.04 | 20.14 | 23.1  | -0.64 | 22.46 | 30 | PASS |
| n77(3450-3550) | 30 | 20 | DFT-256QAM | M | Inner_1RB_Right | 19.98 | 19.95 | 22.98 | -0.64 | 22.34 | 30 | PASS |
| n77(3450-3550) | 30 | 20 | DFT-256QAM | M | Inner_Full      | 20.01 | 20.16 | 23.1  | -0.64 | 22.46 | 30 | PASS |
| n77(3450-3550) | 30 | 20 | DFT-256QAM | M | Outer_Full      | 20.17 | 20.24 | 23.22 | -0.64 | 22.58 | 30 | PASS |
| n77(3450-3550) | 30 | 20 | DFT-BPSK   | H | Inner_1RB_Left  | 25.39 | 25.51 | 28.46 | -0.64 | 27.82 | 30 | PASS |
| n77(3450-3550) | 30 | 20 | DFT-BPSK   | H | Inner_1RB_Right | 25.43 | 25.36 | 28.41 | -0.64 | 27.77 | 30 | PASS |
| n77(3450-3550) | 30 | 20 | DFT-BPSK   | H | Inner_Full      | 25.54 | 25.56 | 28.56 | -0.64 | 27.92 | 30 | PASS |
| n77(3450-3550) | 30 | 20 | DFT-BPSK   | H | Outer_Full      | 24.12 | 23.99 | 27.07 | -0.64 | 26.43 | 30 | PASS |
| n77(3450-3550) | 30 | 20 | DFT-QPSK   | H | Inner_1RB_Left  | 25.4  | 25.46 | 28.44 | -0.64 | 27.8  | 30 | PASS |
| n77(3450-3550) | 30 | 20 | DFT-QPSK   | H | Inner_1RB_Right | 25.44 | 25.3  | 28.38 | -0.64 | 27.74 | 30 | PASS |
| n77(3450-3550) | 30 | 20 | DFT-QPSK   | H | Inner_Full      | 25.49 | 25.45 | 28.48 | -0.64 | 27.84 | 30 | PASS |
| n77(3450-3550) | 30 | 20 | DFT-QPSK   | H | Outer_Full      | 23.56 | 23.49 | 26.54 | -0.64 | 25.9  | 30 | PASS |
| n77(3450-3550) | 30 | 20 | DFT-16QAM  | H | Inner_1RB_Left  | 24.37 | 24.43 | 27.41 | -0.64 | 26.77 | 30 | PASS |
| n77(3450-3550) | 30 | 20 | DFT-16QAM  | H | Inner_1RB_Right | 24.38 | 24.38 | 27.39 | -0.64 | 26.75 | 30 | PASS |
| n77(3450-3550) | 30 | 20 | DFT-16QAM  | H | Inner_Full      | 24.51 | 24.48 | 27.51 | -0.64 | 26.87 | 30 | PASS |
| n77(3450-3550) | 30 | 20 | DFT-16QAM  | H | Outer_Full      | 22.51 | 22.43 | 25.48 | -0.64 | 24.84 | 30 | PASS |
| n77(3450-3550) | 30 | 20 | DFT-64QAM  | H | Inner_1RB_Left  | 22.38 | 22.47 | 25.44 | -0.64 | 24.8  | 30 | PASS |
| n77(3450-3550) | 30 | 20 | DFT-64QAM  | H | Inner_1RB_Right | 22.54 | 22.43 | 25.5  | -0.64 | 24.86 | 30 | PASS |
| n77(3450-3550) | 30 | 20 | DFT-64QAM  | H | Inner_Full      | 22.47 | 22.48 | 25.49 | -0.64 | 24.85 | 30 | PASS |
| n77(3450-3550) | 30 | 20 | DFT-64QAM  | H | Outer_Full      | 21.98 | 22.01 | 25    | -0.64 | 24.36 | 30 | PASS |
| n77(3450-3550) | 30 | 20 | DFT-256QAM | H | Inner_1RB_Left  | 19.86 | 19.89 | 22.88 | -0.64 | 22.24 | 30 | PASS |
| n77(3450-3550) | 30 | 20 | DFT-256QAM | H | Inner_1RB_Right | 19.83 | 19.68 | 22.77 | -0.64 | 22.13 | 30 | PASS |
| n77(3450-3550) | 30 | 20 | DFT-256QAM | H | Inner_Full      | 19.91 | 19.94 | 22.94 | -0.64 | 22.3  | 30 | PASS |
| n77(3450-3550) | 30 | 20 | DFT-256QAM | H | Outer_Full      | 20.01 | 20.01 | 23.02 | -0.64 | 22.38 | 30 | PASS |
| n77(3450-3550) | 30 | 25 | DFT-BPSK   | L | Inner_1RB_Left  | 25.59 | 25.64 | 28.62 | -0.64 | 27.98 | 30 | PASS |
| n77(3450-3550) | 30 | 25 | DFT-BPSK   | L | Inner_1RB_Right | 25.47 | 25.81 | 28.65 | -0.64 | 28.01 | 30 | PASS |
| n77(3450-3550) | 30 | 25 | DFT-BPSK   | L | Inner_Full      | 25.47 | 25.65 | 28.57 | -0.64 | 27.93 | 30 | PASS |
| n77(3450-3550) | 30 | 25 | DFT-BPSK   | L | Outer_Full      | 23.86 | 24.09 | 26.98 | -0.64 | 26.34 | 30 | PASS |
| n77(3450-3550) | 30 | 25 | DFT-QPSK   | L | Inner_1RB_Left  | 25.58 | 25.77 | 28.68 | -0.64 | 28.04 | 30 | PASS |
| n77(3450-3550) | 30 | 25 | DFT-QPSK   | L | Inner_1RB_Right | 25.52 | 25.58 | 28.56 | -0.64 | 27.92 | 30 | PASS |
| n77(3450-3550) | 30 | 25 | DFT-QPSK   | L | Inner_Full      | 25.45 | 25.63 | 28.55 | -0.64 | 27.91 | 30 | PASS |
| n77(3450-3550) | 30 | 25 | DFT-QPSK   | L | Outer_Full      | 23.43 | 23.63 | 26.54 | -0.64 | 25.9  | 30 | PASS |
| n77(3450-3550) | 30 | 25 | DFT-16QAM  | L | Inner_1RB_Left  | 24.43 | 24.58 | 27.52 | -0.64 | 26.88 | 30 | PASS |
| n77(3450-3550) | 30 | 25 | DFT-16QAM  | L | Inner_1RB_Right | 24.45 | 24.72 | 27.6  | -0.64 | 26.96 | 30 | PASS |
| n77(3450-3550) | 30 | 25 | DFT-16QAM  | L | Inner_Full      | 24.38 | 24.66 | 27.53 | -0.64 | 26.89 | 30 | PASS |
| n77(3450-3550) | 30 | 25 | DFT-16QAM  | L | Outer_Full      | 22.39 | 22.64 | 25.53 | -0.64 | 24.89 | 30 | PASS |
| n77(3450-3550) | 30 | 25 | DFT-64QAM  | L | Inner_1RB_Left  | 22.69 | 22.82 | 25.77 | -0.64 | 25.13 | 30 | PASS |
| n77(3450-3550) | 30 | 25 | DFT-64QAM  | L | Inner_1RB_Right | 22.59 | 22.55 | 25.58 | -0.64 | 24.94 | 30 | PASS |
| n77(3450-3550) | 30 | 25 | DFT-64QAM  | L | Inner_Full      | 22.48 | 22.78 | 25.64 | -0.64 | 25    | 30 | PASS |
| n77(3450-3550) | 30 | 25 | DFT-64QAM  | L | Outer_Full      | 22.02 | 22.27 | 25.16 | -0.64 | 24.52 | 30 | PASS |
| n77(3450-3550) | 30 | 25 | DFT-256QAM | L | Inner_1RB_Left  | 20.05 | 20.22 | 23.15 | -0.64 | 22.51 | 30 | PASS |

|                |    |    |            |   |                 |       |       |       |       |       |    |      |
|----------------|----|----|------------|---|-----------------|-------|-------|-------|-------|-------|----|------|
| n77(3450-3550) | 30 | 25 | DFT-256QAM | L | Inner_1RB_Right | 19.88 | 19.89 | 22.89 | -0.64 | 22.25 | 30 | PASS |
| n77(3450-3550) | 30 | 25 | DFT-256QAM | L | Inner_Full      | 19.9  | 20.12 | 23.02 | -0.64 | 22.38 | 30 | PASS |
| n77(3450-3550) | 30 | 25 | DFT-256QAM | L | Outer_Full      | 19.92 | 20.17 | 23.05 | -0.64 | 22.41 | 30 | PASS |
| n77(3450-3550) | 30 | 25 | DFT-BPSK   | M | Inner_1RB_Left  | 25.57 | 25.56 | 28.58 | -0.64 | 27.94 | 30 | PASS |
| n77(3450-3550) | 30 | 25 | DFT-BPSK   | M | Inner_1RB_Right | 25.65 | 25.6  | 28.64 | -0.64 | 28    | 30 | PASS |
| n77(3450-3550) | 30 | 25 | DFT-BPSK   | M | Inner_Full      | 25.63 | 25.82 | 28.73 | -0.64 | 28.09 | 30 | PASS |
| n77(3450-3550) | 30 | 25 | DFT-BPSK   | M | Outer_Full      | 24.1  | 24.13 | 27.13 | -0.64 | 26.49 | 30 | PASS |
| n77(3450-3550) | 30 | 25 | DFT-QPSK   | M | Inner_1RB_Left  | 25.55 | 25.59 | 28.58 | -0.64 | 27.94 | 30 | PASS |
| n77(3450-3550) | 30 | 25 | DFT-QPSK   | M | Inner_1RB_Right | 25.63 | 25.64 | 28.64 | -0.64 | 28    | 30 | PASS |
| n77(3450-3550) | 30 | 25 | DFT-QPSK   | M | Inner_Full      | 25.61 | 25.72 | 28.68 | -0.64 | 28.04 | 30 | PASS |
| n77(3450-3550) | 30 | 25 | DFT-QPSK   | M | Outer_Full      | 23.51 | 23.66 | 26.59 | -0.64 | 25.95 | 30 | PASS |
| n77(3450-3550) | 30 | 25 | DFT-16QAM  | M | Inner_1RB_Left  | 24.53 | 24.61 | 27.58 | -0.64 | 26.94 | 30 | PASS |
| n77(3450-3550) | 30 | 25 | DFT-16QAM  | M | Inner_1RB_Right | 24.49 | 24.35 | 27.43 | -0.64 | 26.79 | 30 | PASS |
| n77(3450-3550) | 30 | 25 | DFT-16QAM  | M | Inner_Full      | 24.52 | 24.65 | 27.59 | -0.64 | 26.95 | 30 | PASS |
| n77(3450-3550) | 30 | 25 | DFT-16QAM  | M | Outer_Full      | 22.52 | 22.58 | 25.56 | -0.64 | 24.92 | 30 | PASS |
| n77(3450-3550) | 30 | 25 | DFT-64QAM  | M | Inner_1RB_Left  | 22.66 | 22.65 | 25.66 | -0.64 | 25.02 | 30 | PASS |
| n77(3450-3550) | 30 | 25 | DFT-64QAM  | M | Inner_1RB_Right | 22.72 | 22.65 | 25.7  | -0.64 | 25.06 | 30 | PASS |
| n77(3450-3550) | 30 | 25 | DFT-64QAM  | M | Inner_Full      | 22.51 | 22.65 | 25.59 | -0.64 | 24.95 | 30 | PASS |
| n77(3450-3550) | 30 | 25 | DFT-64QAM  | M | Outer_Full      | 22.03 | 22.11 | 25.08 | -0.64 | 24.44 | 30 | PASS |
| n77(3450-3550) | 30 | 25 | DFT-256QAM | M | Inner_1RB_Left  | 20.05 | 20.09 | 23.08 | -0.64 | 22.44 | 30 | PASS |
| n77(3450-3550) | 30 | 25 | DFT-256QAM | M | Inner_1RB_Right | 20.12 | 19.9  | 23.03 | -0.64 | 22.39 | 30 | PASS |
| n77(3450-3550) | 30 | 25 | DFT-256QAM | M | Inner_Full      | 19.95 | 20.06 | 23.02 | -0.64 | 22.38 | 30 | PASS |
| n77(3450-3550) | 30 | 25 | DFT-256QAM | M | Outer_Full      | 20.07 | 20.09 | 23.09 | -0.64 | 22.45 | 30 | PASS |
| n77(3450-3550) | 30 | 25 | DFT-BPSK   | H | Inner_1RB_Left  | 25.47 | 25.6  | 28.55 | -0.64 | 27.91 | 30 | PASS |
| n77(3450-3550) | 30 | 25 | DFT-BPSK   | H | Inner_1RB_Right | 25.51 | 25.32 | 28.43 | -0.64 | 27.79 | 30 | PASS |
| n77(3450-3550) | 30 | 25 | DFT-BPSK   | H | Inner_Full      | 25.54 | 25.61 | 28.59 | -0.64 | 27.95 | 30 | PASS |
| n77(3450-3550) | 30 | 25 | DFT-BPSK   | H | Outer_Full      | 23.95 | 23.99 | 26.98 | -0.64 | 26.34 | 30 | PASS |
| n77(3450-3550) | 30 | 25 | DFT-QPSK   | H | Inner_1RB_Left  | 25.51 | 25.53 | 28.53 | -0.64 | 27.89 | 30 | PASS |
| n77(3450-3550) | 30 | 25 | DFT-QPSK   | H | Inner_1RB_Right | 25.53 | 25.36 | 28.46 | -0.64 | 27.82 | 30 | PASS |
| n77(3450-3550) | 30 | 25 | DFT-QPSK   | H | Inner_Full      | 25.55 | 25.53 | 28.55 | -0.64 | 27.91 | 30 | PASS |
| n77(3450-3550) | 30 | 25 | DFT-QPSK   | H | Outer_Full      | 23.5  | 23.47 | 26.49 | -0.64 | 25.85 | 30 | PASS |
| n77(3450-3550) | 30 | 25 | DFT-16QAM  | H | Inner_1RB_Left  | 24.42 | 24.64 | 27.54 | -0.64 | 26.9  | 30 | PASS |
| n77(3450-3550) | 30 | 25 | DFT-16QAM  | H | Inner_1RB_Right | 24.34 | 24.18 | 27.27 | -0.64 | 26.63 | 30 | PASS |
| n77(3450-3550) | 30 | 25 | DFT-16QAM  | H | Inner_Full      | 24.43 | 24.59 | 27.52 | -0.64 | 26.88 | 30 | PASS |
| n77(3450-3550) | 30 | 25 | DFT-16QAM  | H | Outer_Full      | 22.45 | 22.53 | 25.5  | -0.64 | 24.86 | 30 | PASS |
| n77(3450-3550) | 30 | 25 | DFT-64QAM  | H | Inner_1RB_Left  | 22.58 | 22.5  | 25.55 | -0.64 | 24.91 | 30 | PASS |
| n77(3450-3550) | 30 | 25 | DFT-64QAM  | H | Inner_1RB_Right | 22.49 | 22.43 | 25.47 | -0.64 | 24.83 | 30 | PASS |
| n77(3450-3550) | 30 | 25 | DFT-64QAM  | H | Inner_Full      | 22.55 | 22.63 | 25.6  | -0.64 | 24.96 | 30 | PASS |
| n77(3450-3550) | 30 | 25 | DFT-64QAM  | H | Outer_Full      | 21.99 | 22.07 | 25.04 | -0.64 | 24.4  | 30 | PASS |
| n77(3450-3550) | 30 | 25 | DFT-256QAM | H | Inner_1RB_Left  | 19.83 | 19.96 | 22.91 | -0.64 | 22.27 | 30 | PASS |
| n77(3450-3550) | 30 | 25 | DFT-256QAM | H | Inner_1RB_Right | 19.84 | 19.7  | 22.78 | -0.64 | 22.14 | 30 | PASS |

|                |    |    |            |   |                 |       |       |       |       |       |    |      |
|----------------|----|----|------------|---|-----------------|-------|-------|-------|-------|-------|----|------|
| n77(3450-3550) | 30 | 25 | DFT-256QAM | H | Inner_Full      | 19.93 | 20.04 | 22.99 | -0.64 | 22.35 | 30 | PASS |
| n77(3450-3550) | 30 | 25 | DFT-256QAM | H | Outer_Full      | 19.99 | 20.12 | 23.07 | -0.64 | 22.43 | 30 | PASS |
| n77(3450-3550) | 30 | 30 | DFT-BPSK   | L | Inner_1RB_Left  | 25.54 | 25.59 | 28.58 | -0.64 | 27.94 | 30 | PASS |
| n77(3450-3550) | 30 | 30 | DFT-BPSK   | L | Inner_1RB_Right | 25.5  | 25.56 | 28.54 | -0.64 | 27.9  | 30 | PASS |
| n77(3450-3550) | 30 | 30 | DFT-BPSK   | L | Inner_Full      | 25.39 | 25.59 | 28.5  | -0.64 | 27.86 | 30 | PASS |
| n77(3450-3550) | 30 | 30 | DFT-BPSK   | L | Outer_Full      | 23.91 | 24.06 | 27    | -0.64 | 26.36 | 30 | PASS |
| n77(3450-3550) | 30 | 30 | DFT-QPSK   | L | Inner_1RB_Left  | 25.5  | 25.54 | 28.53 | -0.64 | 27.89 | 30 | PASS |
| n77(3450-3550) | 30 | 30 | DFT-QPSK   | L | Inner_1RB_Right | 25.45 | 25.64 | 28.56 | -0.64 | 27.92 | 30 | PASS |
| n77(3450-3550) | 30 | 30 | DFT-QPSK   | L | Inner_Full      | 25.42 | 25.61 | 28.53 | -0.64 | 27.89 | 30 | PASS |
| n77(3450-3550) | 30 | 30 | DFT-QPSK   | L | Outer_Full      | 23.31 | 23.54 | 26.44 | -0.64 | 25.8  | 30 | PASS |
| n77(3450-3550) | 30 | 30 | DFT-16QAM  | L | Inner_1RB_Left  | 24.46 | 24.47 | 27.48 | -0.64 | 26.84 | 30 | PASS |
| n77(3450-3550) | 30 | 30 | DFT-16QAM  | L | Inner_1RB_Right | 24.42 | 24.28 | 27.36 | -0.64 | 26.72 | 30 | PASS |
| n77(3450-3550) | 30 | 30 | DFT-16QAM  | L | Inner_Full      | 24.27 | 24.49 | 27.39 | -0.64 | 26.75 | 30 | PASS |
| n77(3450-3550) | 30 | 30 | DFT-16QAM  | L | Outer_Full      | 22.4  | 22.59 | 25.51 | -0.64 | 24.87 | 30 | PASS |
| n77(3450-3550) | 30 | 30 | DFT-64QAM  | L | Inner_1RB_Left  | 22.52 | 22.55 | 25.55 | -0.64 | 24.91 | 30 | PASS |
| n77(3450-3550) | 30 | 30 | DFT-64QAM  | L | Inner_1RB_Right | 22.63 | 22.69 | 25.67 | -0.64 | 25.03 | 30 | PASS |
| n77(3450-3550) | 30 | 30 | DFT-64QAM  | L | Inner_Full      | 22.41 | 22.55 | 25.49 | -0.64 | 24.85 | 30 | PASS |
| n77(3450-3550) | 30 | 30 | DFT-64QAM  | L | Outer_Full      | 21.89 | 22.04 | 24.98 | -0.64 | 24.34 | 30 | PASS |
| n77(3450-3550) | 30 | 30 | DFT-256QAM | L | Inner_1RB_Left  | 20.01 | 20.06 | 23.05 | -0.64 | 22.41 | 30 | PASS |
| n77(3450-3550) | 30 | 30 | DFT-256QAM | L | Inner_1RB_Right | 19.93 | 20.19 | 23.07 | -0.64 | 22.43 | 30 | PASS |
| n77(3450-3550) | 30 | 30 | DFT-256QAM | L | Inner_Full      | 19.88 | 20.04 | 22.97 | -0.64 | 22.33 | 30 | PASS |
| n77(3450-3550) | 30 | 30 | DFT-256QAM | L | Outer_Full      | 19.77 | 19.89 | 22.84 | -0.64 | 22.2  | 30 | PASS |
| n77(3450-3550) | 30 | 30 | DFT-BPSK   | M | Inner_1RB_Left  | 25.59 | 25.7  | 28.66 | -0.64 | 28.02 | 30 | PASS |
| n77(3450-3550) | 30 | 30 | DFT-BPSK   | M | Inner_1RB_Right | 25.67 | 25.47 | 28.58 | -0.64 | 27.94 | 30 | PASS |
| n77(3450-3550) | 30 | 30 | DFT-BPSK   | M | Inner_Full      | 25.62 | 25.83 | 28.74 | -0.64 | 28.1  | 30 | PASS |
| n77(3450-3550) | 30 | 30 | DFT-BPSK   | M | Outer_Full      | 24.13 | 24.18 | 27.16 | -0.64 | 26.52 | 30 | PASS |
| n77(3450-3550) | 30 | 30 | DFT-QPSK   | M | Inner_1RB_Left  | 25.53 | 25.62 | 28.59 | -0.64 | 27.95 | 30 | PASS |
| n77(3450-3550) | 30 | 30 | DFT-QPSK   | M | Inner_1RB_Right | 25.71 | 25.49 | 28.61 | -0.64 | 27.97 | 30 | PASS |
| n77(3450-3550) | 30 | 30 | DFT-QPSK   | M | Inner_Full      | 25.52 | 25.65 | 28.6  | -0.64 | 27.96 | 30 | PASS |
| n77(3450-3550) | 30 | 30 | DFT-QPSK   | M | Outer_Full      | 23.52 | 23.58 | 26.56 | -0.64 | 25.92 | 30 | PASS |
| n77(3450-3550) | 30 | 30 | DFT-16QAM  | M | Inner_1RB_Left  | 24.51 | 24.69 | 27.61 | -0.64 | 26.97 | 30 | PASS |
| n77(3450-3550) | 30 | 30 | DFT-16QAM  | M | Inner_1RB_Right | 24.57 | 24.45 | 27.52 | -0.64 | 26.88 | 30 | PASS |
| n77(3450-3550) | 30 | 30 | DFT-16QAM  | M | Inner_Full      | 24.47 | 24.6  | 27.55 | -0.64 | 26.91 | 30 | PASS |
| n77(3450-3550) | 30 | 30 | DFT-16QAM  | M | Outer_Full      | 22.63 | 22.72 | 25.68 | -0.64 | 25.04 | 30 | PASS |
| n77(3450-3550) | 30 | 30 | DFT-64QAM  | M | Inner_1RB_Left  | 22.74 | 22.88 | 25.82 | -0.64 | 25.18 | 30 | PASS |
| n77(3450-3550) | 30 | 30 | DFT-64QAM  | M | Inner_1RB_Right | 22.7  | 22.71 | 25.72 | -0.64 | 25.08 | 30 | PASS |
| n77(3450-3550) | 30 | 30 | DFT-64QAM  | M | Inner_Full      | 22.54 | 22.65 | 25.6  | -0.64 | 24.96 | 30 | PASS |
| n77(3450-3550) | 30 | 30 | DFT-64QAM  | M | Outer_Full      | 22.03 | 22.13 | 25.09 | -0.64 | 24.45 | 30 | PASS |
| n77(3450-3550) | 30 | 30 | DFT-256QAM | M | Inner_1RB_Left  | 19.99 | 20.09 | 23.05 | -0.64 | 22.41 | 30 | PASS |
| n77(3450-3550) | 30 | 30 | DFT-256QAM | M | Inner_1RB_Right | 20.1  | 20    | 23.06 | -0.64 | 22.42 | 30 | PASS |
| n77(3450-3550) | 30 | 30 | DFT-256QAM | M | Inner_Full      | 20.02 | 20.16 | 23.1  | -0.64 | 22.46 | 30 | PASS |

|                |    |    |            |   |                 |       |       |       |       |       |    |      |
|----------------|----|----|------------|---|-----------------|-------|-------|-------|-------|-------|----|------|
| n77(3450-3550) | 30 | 30 | DFT-256QAM | M | Outer_Full      | 19.98 | 20.07 | 23.03 | -0.64 | 22.39 | 30 | PASS |
| n77(3450-3550) | 30 | 30 | DFT-BPSK   | H | Inner_1RB_Left  | 25.65 | 25.63 | 28.65 | -0.64 | 28.01 | 30 | PASS |
| n77(3450-3550) | 30 | 30 | DFT-BPSK   | H | Inner_1RB_Right | 25.59 | 25.59 | 28.6  | -0.64 | 27.96 | 30 | PASS |
| n77(3450-3550) | 30 | 30 | DFT-BPSK   | H | Inner_Full      | 25.63 | 25.7  | 28.68 | -0.64 | 28.04 | 30 | PASS |
| n77(3450-3550) | 30 | 30 | DFT-BPSK   | H | Outer_Full      | 24.06 | 24.06 | 27.07 | -0.64 | 26.43 | 30 | PASS |
| n77(3450-3550) | 30 | 30 | DFT-QPSK   | H | Inner_1RB_Left  | 25.61 | 25.61 | 28.62 | -0.64 | 27.98 | 30 | PASS |
| n77(3450-3550) | 30 | 30 | DFT-QPSK   | H | Inner_1RB_Right | 25.68 | 25.45 | 28.58 | -0.64 | 27.94 | 30 | PASS |
| n77(3450-3550) | 30 | 30 | DFT-QPSK   | H | Inner_Full      | 25.55 | 25.73 | 28.65 | -0.64 | 28.01 | 30 | PASS |
| n77(3450-3550) | 30 | 30 | DFT-QPSK   | H | Outer_Full      | 23.51 | 23.58 | 26.56 | -0.64 | 25.92 | 30 | PASS |
| n77(3450-3550) | 30 | 30 | DFT-16QAM  | H | Inner_1RB_Left  | 24.6  | 24.69 | 27.66 | -0.64 | 27.02 | 30 | PASS |
| n77(3450-3550) | 30 | 30 | DFT-16QAM  | H | Inner_1RB_Right | 24.43 | 24.5  | 27.47 | -0.64 | 26.83 | 30 | PASS |
| n77(3450-3550) | 30 | 30 | DFT-16QAM  | H | Inner_Full      | 24.51 | 24.67 | 27.6  | -0.64 | 26.96 | 30 | PASS |
| n77(3450-3550) | 30 | 30 | DFT-16QAM  | H | Outer_Full      | 22.59 | 22.63 | 25.62 | -0.64 | 24.98 | 30 | PASS |
| n77(3450-3550) | 30 | 30 | DFT-64QAM  | H | Inner_1RB_Left  | 22.64 | 22.73 | 25.7  | -0.64 | 25.06 | 30 | PASS |
| n77(3450-3550) | 30 | 30 | DFT-64QAM  | H | Inner_1RB_Right | 22.59 | 22.47 | 25.54 | -0.64 | 24.9  | 30 | PASS |
| n77(3450-3550) | 30 | 30 | DFT-64QAM  | H | Inner_Full      | 22.58 | 22.72 | 25.66 | -0.64 | 25.02 | 30 | PASS |
| n77(3450-3550) | 30 | 30 | DFT-64QAM  | H | Outer_Full      | 22.09 | 22.22 | 25.17 | -0.64 | 24.53 | 30 | PASS |
| n77(3450-3550) | 30 | 30 | DFT-256QAM | H | Inner_1RB_Left  | 19.91 | 19.97 | 22.95 | -0.64 | 22.31 | 30 | PASS |
| n77(3450-3550) | 30 | 30 | DFT-256QAM | H | Inner_1RB_Right | 20.05 | 20.04 | 23.06 | -0.64 | 22.42 | 30 | PASS |
| n77(3450-3550) | 30 | 30 | DFT-256QAM | H | Inner_Full      | 20.04 | 20.17 | 23.11 | -0.64 | 22.47 | 30 | PASS |
| n77(3450-3550) | 30 | 30 | DFT-256QAM | H | Outer_Full      | 20.06 | 20.2  | 23.14 | -0.64 | 22.5  | 30 | PASS |
| n77(3450-3550) | 30 | 40 | DFT-BPSK   | L | Inner_1RB_Left  | 25.32 | 25.44 | 28.39 | -0.64 | 27.75 | 30 | PASS |
| n77(3450-3550) | 30 | 40 | DFT-BPSK   | L | Inner_1RB_Right | 25.42 | 25.49 | 28.46 | -0.64 | 27.82 | 30 | PASS |
| n77(3450-3550) | 30 | 40 | DFT-BPSK   | L | Inner_Full      | 25.41 | 25.7  | 28.57 | -0.64 | 27.93 | 30 | PASS |
| n77(3450-3550) | 30 | 40 | DFT-BPSK   | L | Outer_Full      | 23.98 | 24.26 | 27.13 | -0.64 | 26.49 | 30 | PASS |
| n77(3450-3550) | 30 | 40 | DFT-QPSK   | L | Inner_1RB_Left  | 25.46 | 25.66 | 28.57 | -0.64 | 27.93 | 30 | PASS |
| n77(3450-3550) | 30 | 40 | DFT-QPSK   | L | Inner_1RB_Right | 25.48 | 25.51 | 28.51 | -0.64 | 27.87 | 30 | PASS |
| n77(3450-3550) | 30 | 40 | DFT-QPSK   | L | Inner_Full      | 25.45 | 25.65 | 28.56 | -0.64 | 27.92 | 30 | PASS |
| n77(3450-3550) | 30 | 40 | DFT-QPSK   | L | Outer_Full      | 23.49 | 23.75 | 26.63 | -0.64 | 25.99 | 30 | PASS |
| n77(3450-3550) | 30 | 40 | DFT-16QAM  | L | Inner_1RB_Left  | 24.36 | 24.35 | 27.36 | -0.64 | 26.72 | 30 | PASS |
| n77(3450-3550) | 30 | 40 | DFT-16QAM  | L | Inner_1RB_Right | 24.32 | 24.48 | 27.41 | -0.64 | 26.77 | 30 | PASS |
| n77(3450-3550) | 30 | 40 | DFT-16QAM  | L | Inner_Full      | 24.43 | 24.66 | 27.56 | -0.64 | 26.92 | 30 | PASS |
| n77(3450-3550) | 30 | 40 | DFT-16QAM  | L | Outer_Full      | 22.42 | 22.7  | 25.57 | -0.64 | 24.93 | 30 | PASS |
| n77(3450-3550) | 30 | 40 | DFT-64QAM  | L | Inner_1RB_Left  | 22.34 | 22.43 | 25.39 | -0.64 | 24.75 | 30 | PASS |
| n77(3450-3550) | 30 | 40 | DFT-64QAM  | L | Inner_1RB_Right | 22.48 | 22.5  | 25.5  | -0.64 | 24.86 | 30 | PASS |
| n77(3450-3550) | 30 | 40 | DFT-64QAM  | L | Inner_Full      | 22.41 | 22.63 | 25.53 | -0.64 | 24.89 | 30 | PASS |
| n77(3450-3550) | 30 | 40 | DFT-64QAM  | L | Outer_Full      | 21.99 | 22.15 | 25.08 | -0.64 | 24.44 | 30 | PASS |
| n77(3450-3550) | 30 | 40 | DFT-256QAM | L | Inner_1RB_Left  | 19.84 | 19.87 | 22.87 | -0.64 | 22.23 | 30 | PASS |
| n77(3450-3550) | 30 | 40 | DFT-256QAM | L | Inner_1RB_Right | 19.95 | 20.17 | 23.07 | -0.64 | 22.43 | 30 | PASS |
| n77(3450-3550) | 30 | 40 | DFT-256QAM | L | Inner_Full      | 19.94 | 20.23 | 23.1  | -0.64 | 22.46 | 30 | PASS |
| n77(3450-3550) | 30 | 40 | DFT-256QAM | L | Outer_Full      | 20    | 20.14 | 23.08 | -0.64 | 22.44 | 30 | PASS |

|                |    |    |            |   |                 |       |       |       |       |       |    |      |
|----------------|----|----|------------|---|-----------------|-------|-------|-------|-------|-------|----|------|
| n77(3450-3550) | 30 | 40 | DFT-BPSK   | M | Inner_1RB_Left  | 25.43 | 25.48 | 28.47 | -0.64 | 27.83 | 30 | PASS |
| n77(3450-3550) | 30 | 40 | DFT-BPSK   | M | Inner_1RB_Right | 25.37 | 25.45 | 28.42 | -0.64 | 27.78 | 30 | PASS |
| n77(3450-3550) | 30 | 40 | DFT-BPSK   | M | Inner_Full      | 25.61 | 25.69 | 28.66 | -0.64 | 28.02 | 30 | PASS |
| n77(3450-3550) | 30 | 40 | DFT-BPSK   | M | Outer_Full      | 24.07 | 24.16 | 27.12 | -0.64 | 26.48 | 30 | PASS |
| n77(3450-3550) | 30 | 40 | DFT-QPSK   | M | Inner_1RB_Left  | 25.41 | 25.74 | 28.59 | -0.64 | 27.95 | 30 | PASS |
| n77(3450-3550) | 30 | 40 | DFT-QPSK   | M | Inner_1RB_Right | 25.57 | 25.52 | 28.56 | -0.64 | 27.92 | 30 | PASS |
| n77(3450-3550) | 30 | 40 | DFT-QPSK   | M | Inner_Full      | 25.66 | 25.75 | 28.72 | -0.64 | 28.08 | 30 | PASS |
| n77(3450-3550) | 30 | 40 | DFT-QPSK   | M | Outer_Full      | 23.71 | 23.81 | 26.77 | -0.64 | 26.13 | 30 | PASS |
| n77(3450-3550) | 30 | 40 | DFT-16QAM  | M | Inner_1RB_Left  | 24.4  | 24.54 | 27.48 | -0.64 | 26.84 | 30 | PASS |
| n77(3450-3550) | 30 | 40 | DFT-16QAM  | M | Inner_1RB_Right | 24.48 | 24.43 | 27.46 | -0.64 | 26.82 | 30 | PASS |
| n77(3450-3550) | 30 | 40 | DFT-16QAM  | M | Inner_Full      | 24.58 | 24.64 | 27.62 | -0.64 | 26.98 | 30 | PASS |
| n77(3450-3550) | 30 | 40 | DFT-16QAM  | M | Outer_Full      | 22.55 | 22.63 | 25.6  | -0.64 | 24.96 | 30 | PASS |
| n77(3450-3550) | 30 | 40 | DFT-64QAM  | M | Inner_1RB_Left  | 22.48 | 22.75 | 25.62 | -0.64 | 24.98 | 30 | PASS |
| n77(3450-3550) | 30 | 40 | DFT-64QAM  | M | Inner_1RB_Right | 22.57 | 22.64 | 25.61 | -0.64 | 24.97 | 30 | PASS |
| n77(3450-3550) | 30 | 40 | DFT-64QAM  | M | Inner_Full      | 22.56 | 22.64 | 25.61 | -0.64 | 24.97 | 30 | PASS |
| n77(3450-3550) | 30 | 40 | DFT-64QAM  | M | Outer_Full      | 22.04 | 22.15 | 25.11 | -0.64 | 24.47 | 30 | PASS |
| n77(3450-3550) | 30 | 40 | DFT-256QAM | M | Inner_1RB_Left  | 19.76 | 20.11 | 22.95 | -0.64 | 22.31 | 30 | PASS |
| n77(3450-3550) | 30 | 40 | DFT-256QAM | M | Inner_1RB_Right | 19.87 | 19.9  | 22.89 | -0.64 | 22.25 | 30 | PASS |
| n77(3450-3550) | 30 | 40 | DFT-256QAM | M | Inner_Full      | 20.03 | 20.2  | 23.13 | -0.64 | 22.49 | 30 | PASS |
| n77(3450-3550) | 30 | 40 | DFT-256QAM | M | Outer_Full      | 19.99 | 20.09 | 23.05 | -0.64 | 22.41 | 30 | PASS |
| n77(3450-3550) | 30 | 40 | DFT-BPSK   | H | Inner_1RB_Left  | 25.52 | 25.43 | 28.49 | -0.64 | 27.85 | 30 | PASS |
| n77(3450-3550) | 30 | 40 | DFT-BPSK   | H | Inner_1RB_Right | 25.4  | 25.38 | 28.4  | -0.64 | 27.76 | 30 | PASS |
| n77(3450-3550) | 30 | 40 | DFT-BPSK   | H | Inner_Full      | 25.64 | 25.64 | 28.65 | -0.64 | 28.01 | 30 | PASS |
| n77(3450-3550) | 30 | 40 | DFT-BPSK   | H | Outer_Full      | 24.04 | 24.08 | 27.07 | -0.64 | 26.43 | 30 | PASS |
| n77(3450-3550) | 30 | 40 | DFT-QPSK   | H | Inner_1RB_Left  | 25.48 | 25.38 | 28.44 | -0.64 | 27.8  | 30 | PASS |
| n77(3450-3550) | 30 | 40 | DFT-QPSK   | H | Inner_1RB_Right | 25.53 | 25.34 | 28.45 | -0.64 | 27.81 | 30 | PASS |
| n77(3450-3550) | 30 | 40 | DFT-QPSK   | H | Inner_Full      | 25.57 | 25.63 | 28.61 | -0.64 | 27.97 | 30 | PASS |
| n77(3450-3550) | 30 | 40 | DFT-QPSK   | H | Outer_Full      | 23.63 | 23.6  | 26.62 | -0.64 | 25.98 | 30 | PASS |
| n77(3450-3550) | 30 | 40 | DFT-16QAM  | H | Inner_1RB_Left  | 24.36 | 24.19 | 27.29 | -0.64 | 26.65 | 30 | PASS |
| n77(3450-3550) | 30 | 40 | DFT-16QAM  | H | Inner_1RB_Right | 24.42 | 24.26 | 27.35 | -0.64 | 26.71 | 30 | PASS |
| n77(3450-3550) | 30 | 40 | DFT-16QAM  | H | Inner_Full      | 24.48 | 24.54 | 27.52 | -0.64 | 26.88 | 30 | PASS |
| n77(3450-3550) | 30 | 40 | DFT-16QAM  | H | Outer_Full      | 22.56 | 22.49 | 25.54 | -0.64 | 24.9  | 30 | PASS |
| n77(3450-3550) | 30 | 40 | DFT-64QAM  | H | Inner_1RB_Left  | 22.59 | 22.31 | 25.46 | -0.64 | 24.82 | 30 | PASS |
| n77(3450-3550) | 30 | 40 | DFT-64QAM  | H | Inner_1RB_Right | 22.5  | 22.44 | 25.48 | -0.64 | 24.84 | 30 | PASS |
| n77(3450-3550) | 30 | 40 | DFT-64QAM  | H | Inner_Full      | 22.57 | 22.57 | 25.58 | -0.64 | 24.94 | 30 | PASS |
| n77(3450-3550) | 30 | 40 | DFT-64QAM  | H | Outer_Full      | 22.05 | 22.01 | 25.04 | -0.64 | 24.4  | 30 | PASS |
| n77(3450-3550) | 30 | 40 | DFT-256QAM | H | Inner_1RB_Left  | 19.93 | 19.96 | 22.95 | -0.64 | 22.31 | 30 | PASS |
| n77(3450-3550) | 30 | 40 | DFT-256QAM | H | Inner_1RB_Right | 19.86 | 19.89 | 22.88 | -0.64 | 22.24 | 30 | PASS |
| n77(3450-3550) | 30 | 40 | DFT-256QAM | H | Inner_Full      | 20.05 | 20.16 | 23.11 | -0.64 | 22.47 | 30 | PASS |
| n77(3450-3550) | 30 | 40 | DFT-256QAM | H | Outer_Full      | 20.11 | 20.05 | 23.09 | -0.64 | 22.45 | 30 | PASS |
| n77(3450-3550) | 30 | 50 | DFT-BPSK   | L | Inner_1RB_Left  | 25.61 | 25.52 | 28.58 | -0.64 | 27.94 | 30 | PASS |

|                |    |    |            |   |                 |       |       |       |       |       |    |      |
|----------------|----|----|------------|---|-----------------|-------|-------|-------|-------|-------|----|------|
| n77(3450-3550) | 30 | 50 | DFT-BPSK   | L | Inner_1RB_Right | 25.79 | 26.03 | 28.93 | -0.64 | 28.29 | 30 | PASS |
| n77(3450-3550) | 30 | 50 | DFT-BPSK   | L | Inner_Full      | 25.7  | 25.91 | 28.81 | -0.64 | 28.17 | 30 | PASS |
| n77(3450-3550) | 30 | 50 | DFT-BPSK   | L | Outer_Full      | 24.12 | 24.29 | 27.22 | -0.64 | 26.58 | 30 | PASS |
| n77(3450-3550) | 30 | 50 | DFT-QPSK   | L | Inner_1RB_Left  | 25.49 | 25.64 | 28.58 | -0.64 | 27.94 | 30 | PASS |
| n77(3450-3550) | 30 | 50 | DFT-QPSK   | L | Inner_1RB_Right | 25.71 | 25.93 | 28.83 | -0.64 | 28.19 | 30 | PASS |
| n77(3450-3550) | 30 | 50 | DFT-QPSK   | L | Inner_Full      | 25.69 | 25.93 | 28.83 | -0.64 | 28.19 | 30 | PASS |
| n77(3450-3550) | 30 | 50 | DFT-QPSK   | L | Outer_Full      | 23.61 | 23.86 | 26.75 | -0.64 | 26.11 | 30 | PASS |
| n77(3450-3550) | 30 | 50 | DFT-16QAM  | L | Inner_1RB_Left  | 24.64 | 24.85 | 27.75 | -0.64 | 27.11 | 30 | PASS |
| n77(3450-3550) | 30 | 50 | DFT-16QAM  | L | Inner_1RB_Right | 24.83 | 25.06 | 27.96 | -0.64 | 27.32 | 30 | PASS |
| n77(3450-3550) | 30 | 50 | DFT-16QAM  | L | Inner_Full      | 24.6  | 24.94 | 27.78 | -0.64 | 27.14 | 30 | PASS |
| n77(3450-3550) | 30 | 50 | DFT-16QAM  | L | Outer_Full      | 22.65 | 22.92 | 25.8  | -0.64 | 25.16 | 30 | PASS |
| n77(3450-3550) | 30 | 50 | DFT-64QAM  | L | Inner_1RB_Left  | 22.6  | 22.72 | 25.67 | -0.64 | 25.03 | 30 | PASS |
| n77(3450-3550) | 30 | 50 | DFT-64QAM  | L | Inner_1RB_Right | 22.79 | 22.93 | 25.87 | -0.64 | 25.23 | 30 | PASS |
| n77(3450-3550) | 30 | 50 | DFT-64QAM  | L | Inner_Full      | 22.75 | 22.9  | 25.83 | -0.64 | 25.19 | 30 | PASS |
| n77(3450-3550) | 30 | 50 | DFT-64QAM  | L | Outer_Full      | 22.13 | 22.39 | 25.27 | -0.64 | 24.63 | 30 | PASS |
| n77(3450-3550) | 30 | 50 | DFT-256QAM | L | Inner_1RB_Left  | 20.06 | 20.3  | 23.19 | -0.64 | 22.55 | 30 | PASS |
| n77(3450-3550) | 30 | 50 | DFT-256QAM | L | Inner_1RB_Right | 20.16 | 20.35 | 23.26 | -0.64 | 22.62 | 30 | PASS |
| n77(3450-3550) | 30 | 50 | DFT-256QAM | L | Inner_Full      | 20.23 | 20.45 | 23.35 | -0.64 | 22.71 | 30 | PASS |
| n77(3450-3550) | 30 | 50 | DFT-256QAM | L | Outer_Full      | 20.18 | 20.36 | 23.28 | -0.64 | 22.64 | 30 | PASS |
| n77(3450-3550) | 30 | 50 | DFT-BPSK   | M | Inner_1RB_Left  | 25.44 | 25.61 | 28.54 | -0.64 | 27.9  | 30 | PASS |
| n77(3450-3550) | 30 | 50 | DFT-BPSK   | M | Inner_1RB_Right | 25.67 | 25.73 | 28.71 | -0.64 | 28.07 | 30 | PASS |
| n77(3450-3550) | 30 | 50 | DFT-BPSK   | M | Inner_Full      | 25.75 | 25.77 | 28.77 | -0.64 | 28.13 | 30 | PASS |
| n77(3450-3550) | 30 | 50 | DFT-BPSK   | M | Outer_Full      | 24.17 | 24.27 | 27.23 | -0.64 | 26.59 | 30 | PASS |
| n77(3450-3550) | 30 | 50 | DFT-QPSK   | M | Inner_1RB_Left  | 25.42 | 25.75 | 28.6  | -0.64 | 27.96 | 30 | PASS |
| n77(3450-3550) | 30 | 50 | DFT-QPSK   | M | Inner_1RB_Right | 25.66 | 25.71 | 28.69 | -0.64 | 28.05 | 30 | PASS |
| n77(3450-3550) | 30 | 50 | DFT-QPSK   | M | Inner_Full      | 25.82 | 25.85 | 28.85 | -0.64 | 28.21 | 30 | PASS |
| n77(3450-3550) | 30 | 50 | DFT-QPSK   | M | Outer_Full      | 23.69 | 23.73 | 26.72 | -0.64 | 26.08 | 30 | PASS |
| n77(3450-3550) | 30 | 50 | DFT-16QAM  | M | Inner_1RB_Left  | 24.49 | 24.74 | 27.63 | -0.64 | 26.99 | 30 | PASS |
| n77(3450-3550) | 30 | 50 | DFT-16QAM  | M | Inner_1RB_Right | 24.51 | 24.86 | 27.7  | -0.64 | 27.06 | 30 | PASS |
| n77(3450-3550) | 30 | 50 | DFT-16QAM  | M | Inner_Full      | 24.57 | 24.67 | 27.63 | -0.64 | 26.99 | 30 | PASS |
| n77(3450-3550) | 30 | 50 | DFT-16QAM  | M | Outer_Full      | 22.68 | 22.82 | 25.76 | -0.64 | 25.12 | 30 | PASS |
| n77(3450-3550) | 30 | 50 | DFT-64QAM  | M | Inner_1RB_Left  | 22.64 | 22.71 | 25.68 | -0.64 | 25.04 | 30 | PASS |
| n77(3450-3550) | 30 | 50 | DFT-64QAM  | M | Inner_1RB_Right | 22.84 | 22.79 | 25.82 | -0.64 | 25.18 | 30 | PASS |
| n77(3450-3550) | 30 | 50 | DFT-64QAM  | M | Inner_Full      | 22.73 | 22.89 | 25.82 | -0.64 | 25.18 | 30 | PASS |
| n77(3450-3550) | 30 | 50 | DFT-64QAM  | M | Outer_Full      | 22.09 | 22.14 | 25.12 | -0.64 | 24.48 | 30 | PASS |
| n77(3450-3550) | 30 | 50 | DFT-256QAM | M | Inner_1RB_Left  | 19.75 | 20.06 | 22.92 | -0.64 | 22.28 | 30 | PASS |
| n77(3450-3550) | 30 | 50 | DFT-256QAM | M | Inner_1RB_Right | 20.21 | 20.14 | 23.19 | -0.64 | 22.55 | 30 | PASS |
| n77(3450-3550) | 30 | 50 | DFT-256QAM | M | Inner_Full      | 20.19 | 20.34 | 23.28 | -0.64 | 22.64 | 30 | PASS |
| n77(3450-3550) | 30 | 50 | DFT-256QAM | M | Outer_Full      | 20.13 | 20.17 | 23.16 | -0.64 | 22.52 | 30 | PASS |
| n77(3450-3550) | 30 | 50 | DFT-BPSK   | H | Inner_1RB_Left  | 25.63 | 25.64 | 28.64 | -0.64 | 28    | 30 | PASS |
| n77(3450-3550) | 30 | 50 | DFT-BPSK   | H | Inner_1RB_Right | 25.69 | 25.44 | 28.58 | -0.64 | 27.94 | 30 | PASS |

|                |    |    |            |   |                 |       |       |       |       |       |    |      |
|----------------|----|----|------------|---|-----------------|-------|-------|-------|-------|-------|----|------|
| n77(3450-3550) | 30 | 50 | DFT-BPSK   | H | Inner_Full      | 25.71 | 25.69 | 28.71 | -0.64 | 28.07 | 30 | PASS |
| n77(3450-3550) | 30 | 50 | DFT-BPSK   | H | Outer_Full      | 24.08 | 24.11 | 27.11 | -0.64 | 26.47 | 30 | PASS |
| n77(3450-3550) | 30 | 50 | DFT-QPSK   | H | Inner_1RB_Left  | 25.68 | 25.56 | 28.63 | -0.64 | 27.99 | 30 | PASS |
| n77(3450-3550) | 30 | 50 | DFT-QPSK   | H | Inner_1RB_Right | 25.6  | 25.49 | 28.56 | -0.64 | 27.92 | 30 | PASS |
| n77(3450-3550) | 30 | 50 | DFT-QPSK   | H | Inner_Full      | 25.71 | 25.7  | 28.72 | -0.64 | 28.08 | 30 | PASS |
| n77(3450-3550) | 30 | 50 | DFT-QPSK   | H | Outer_Full      | 23.63 | 23.54 | 26.59 | -0.64 | 25.95 | 30 | PASS |
| n77(3450-3550) | 30 | 50 | DFT-16QAM  | H | Inner_1RB_Left  | 24.43 | 24.42 | 27.44 | -0.64 | 26.8  | 30 | PASS |
| n77(3450-3550) | 30 | 50 | DFT-16QAM  | H | Inner_1RB_Right | 24.49 | 24.3  | 27.41 | -0.64 | 26.77 | 30 | PASS |
| n77(3450-3550) | 30 | 50 | DFT-16QAM  | H | Inner_Full      | 24.63 | 24.69 | 27.67 | -0.64 | 27.03 | 30 | PASS |
| n77(3450-3550) | 30 | 50 | DFT-16QAM  | H | Outer_Full      | 22.7  | 22.7  | 25.71 | -0.64 | 25.07 | 30 | PASS |
| n77(3450-3550) | 30 | 50 | DFT-64QAM  | H | Inner_1RB_Left  | 22.62 | 22.78 | 25.71 | -0.64 | 25.07 | 30 | PASS |
| n77(3450-3550) | 30 | 50 | DFT-64QAM  | H | Inner_1RB_Right | 22.6  | 22.43 | 25.53 | -0.64 | 24.89 | 30 | PASS |
| n77(3450-3550) | 30 | 50 | DFT-64QAM  | H | Inner_Full      | 22.7  | 22.82 | 25.77 | -0.64 | 25.13 | 30 | PASS |
| n77(3450-3550) | 30 | 50 | DFT-64QAM  | H | Outer_Full      | 22.22 | 22.15 | 25.2  | -0.64 | 24.56 | 30 | PASS |
| n77(3450-3550) | 30 | 50 | DFT-256QAM | H | Inner_1RB_Left  | 20.04 | 20    | 23.03 | -0.64 | 22.39 | 30 | PASS |
| n77(3450-3550) | 30 | 50 | DFT-256QAM | H | Inner_1RB_Right | 20.09 | 20.03 | 23.07 | -0.64 | 22.43 | 30 | PASS |
| n77(3450-3550) | 30 | 50 | DFT-256QAM | H | Inner_Full      | 20.17 | 20.21 | 23.2  | -0.64 | 22.56 | 30 | PASS |
| n77(3450-3550) | 30 | 50 | DFT-256QAM | H | Outer_Full      | 20.2  | 20.05 | 23.14 | -0.64 | 22.5  | 30 | PASS |
| n77(3450-3550) | 30 | 60 | DFT-BPSK   | L | Inner_1RB_Left  | 25.38 | 25.51 | 28.45 | -0.64 | 27.81 | 30 | PASS |
| n77(3450-3550) | 30 | 60 | DFT-BPSK   | L | Inner_1RB_Right | 25.56 | 25.37 | 28.47 | -0.64 | 27.83 | 30 | PASS |
| n77(3450-3550) | 30 | 60 | DFT-BPSK   | L | Inner_Full      | 25.47 | 25.66 | 28.58 | -0.64 | 27.94 | 30 | PASS |
| n77(3450-3550) | 30 | 60 | DFT-BPSK   | L | Outer_Full      | 23.93 | 24.11 | 27.03 | -0.64 | 26.39 | 30 | PASS |
| n77(3450-3550) | 30 | 60 | DFT-QPSK   | L | Inner_1RB_Left  | 25.34 | 25.53 | 28.45 | -0.64 | 27.81 | 30 | PASS |
| n77(3450-3550) | 30 | 60 | DFT-QPSK   | L | Inner_1RB_Right | 25.58 | 25.35 | 28.48 | -0.64 | 27.84 | 30 | PASS |
| n77(3450-3550) | 30 | 60 | DFT-QPSK   | L | Inner_Full      | 25.41 | 25.64 | 28.54 | -0.64 | 27.9  | 30 | PASS |
| n77(3450-3550) | 30 | 60 | DFT-QPSK   | L | Outer_Full      | 23.43 | 23.64 | 26.55 | -0.64 | 25.91 | 30 | PASS |
| n77(3450-3550) | 30 | 60 | DFT-16QAM  | L | Inner_1RB_Left  | 24.17 | 24.37 | 27.28 | -0.64 | 26.64 | 30 | PASS |
| n77(3450-3550) | 30 | 60 | DFT-16QAM  | L | Inner_1RB_Right | 24.48 | 24.54 | 27.52 | -0.64 | 26.88 | 30 | PASS |
| n77(3450-3550) | 30 | 60 | DFT-16QAM  | L | Inner_Full      | 24.4  | 24.54 | 27.48 | -0.64 | 26.84 | 30 | PASS |
| n77(3450-3550) | 30 | 60 | DFT-16QAM  | L | Outer_Full      | 22.36 | 22.46 | 25.42 | -0.64 | 24.78 | 30 | PASS |
| n77(3450-3550) | 30 | 60 | DFT-64QAM  | L | Inner_1RB_Left  | 22.37 | 22.53 | 25.46 | -0.64 | 24.82 | 30 | PASS |
| n77(3450-3550) | 30 | 60 | DFT-64QAM  | L | Inner_1RB_Right | 22.57 | 22.5  | 25.55 | -0.64 | 24.91 | 30 | PASS |
| n77(3450-3550) | 30 | 60 | DFT-64QAM  | L | Inner_Full      | 22.42 | 22.52 | 25.48 | -0.64 | 24.84 | 30 | PASS |
| n77(3450-3550) | 30 | 60 | DFT-64QAM  | L | Outer_Full      | 21.84 | 21.93 | 24.89 | -0.64 | 24.25 | 30 | PASS |
| n77(3450-3550) | 30 | 60 | DFT-256QAM | L | Inner_1RB_Left  | 19.8  | 19.89 | 22.86 | -0.64 | 22.22 | 30 | PASS |
| n77(3450-3550) | 30 | 60 | DFT-256QAM | L | Inner_1RB_Right | 19.85 | 19.86 | 22.87 | -0.64 | 22.23 | 30 | PASS |
| n77(3450-3550) | 30 | 60 | DFT-256QAM | L | Inner_Full      | 19.88 | 20.18 | 23.04 | -0.64 | 22.4  | 30 | PASS |
| n77(3450-3550) | 30 | 60 | DFT-256QAM | L | Outer_Full      | 19.94 | 19.97 | 22.96 | -0.64 | 22.32 | 30 | PASS |
| n77(3450-3550) | 30 | 60 | DFT-BPSK   | M | Inner_1RB_Left  | 25.16 | 25.61 | 28.4  | -0.64 | 27.76 | 30 | PASS |
| n77(3450-3550) | 30 | 60 | DFT-BPSK   | M | Inner_1RB_Right | 25.38 | 25.42 | 28.41 | -0.64 | 27.77 | 30 | PASS |
| n77(3450-3550) | 30 | 60 | DFT-BPSK   | M | Inner_Full      | 25.5  | 25.57 | 28.55 | -0.64 | 27.91 | 30 | PASS |

|                |    |    |            |   |                 |       |       |       |       |       |    |      |
|----------------|----|----|------------|---|-----------------|-------|-------|-------|-------|-------|----|------|
| n77(3450-3550) | 30 | 60 | DFT-BPSK   | M | Outer_Full      | 23.89 | 24.02 | 26.97 | -0.64 | 26.33 | 30 | PASS |
| n77(3450-3550) | 30 | 60 | DFT-QPSK   | M | Inner_1RB_Left  | 25.21 | 25.51 | 28.37 | -0.64 | 27.73 | 30 | PASS |
| n77(3450-3550) | 30 | 60 | DFT-QPSK   | M | Inner_1RB_Right | 25.38 | 25.59 | 28.5  | -0.64 | 27.86 | 30 | PASS |
| n77(3450-3550) | 30 | 60 | DFT-QPSK   | M | Inner_Full      | 25.47 | 25.63 | 28.56 | -0.64 | 27.92 | 30 | PASS |
| n77(3450-3550) | 30 | 60 | DFT-QPSK   | M | Outer_Full      | 23.39 | 23.53 | 26.47 | -0.64 | 25.83 | 30 | PASS |
| n77(3450-3550) | 30 | 60 | DFT-16QAM  | M | Inner_1RB_Left  | 24.11 | 24.31 | 27.22 | -0.64 | 26.58 | 30 | PASS |
| n77(3450-3550) | 30 | 60 | DFT-16QAM  | M | Inner_1RB_Right | 24.39 | 24.36 | 27.39 | -0.64 | 26.75 | 30 | PASS |
| n77(3450-3550) | 30 | 60 | DFT-16QAM  | M | Inner_Full      | 24.46 | 24.51 | 27.5  | -0.64 | 26.86 | 30 | PASS |
| n77(3450-3550) | 30 | 60 | DFT-16QAM  | M | Outer_Full      | 22.38 | 22.49 | 25.44 | -0.64 | 24.8  | 30 | PASS |
| n77(3450-3550) | 30 | 60 | DFT-64QAM  | M | Inner_1RB_Left  | 22.19 | 22.38 | 25.29 | -0.64 | 24.65 | 30 | PASS |
| n77(3450-3550) | 30 | 60 | DFT-64QAM  | M | Inner_1RB_Right | 22.37 | 22.4  | 25.4  | -0.64 | 24.76 | 30 | PASS |
| n77(3450-3550) | 30 | 60 | DFT-64QAM  | M | Inner_Full      | 22.43 | 22.47 | 25.46 | -0.64 | 24.82 | 30 | PASS |
| n77(3450-3550) | 30 | 60 | DFT-64QAM  | M | Outer_Full      | 21.83 | 21.94 | 24.9  | -0.64 | 24.26 | 30 | PASS |
| n77(3450-3550) | 30 | 60 | DFT-256QAM | M | Inner_1RB_Left  | 19.56 | 19.87 | 22.73 | -0.64 | 22.09 | 30 | PASS |
| n77(3450-3550) | 30 | 60 | DFT-256QAM | M | Inner_1RB_Right | 19.91 | 19.89 | 22.91 | -0.64 | 22.27 | 30 | PASS |
| n77(3450-3550) | 30 | 60 | DFT-256QAM | M | Inner_Full      | 19.89 | 20.02 | 22.96 | -0.64 | 22.32 | 30 | PASS |
| n77(3450-3550) | 30 | 60 | DFT-256QAM | M | Outer_Full      | 19.61 | 19.83 | 22.73 | -0.64 | 22.09 | 30 | PASS |
| n77(3450-3550) | 30 | 60 | DFT-BPSK   | H | Inner_1RB_Left  | 25.32 | 25.56 | 28.45 | -0.64 | 27.81 | 30 | PASS |
| n77(3450-3550) | 30 | 60 | DFT-BPSK   | H | Inner_1RB_Right | 25.38 | 25.15 | 28.28 | -0.64 | 27.64 | 30 | PASS |
| n77(3450-3550) | 30 | 60 | DFT-BPSK   | H | Inner_Full      | 25.48 | 25.49 | 28.5  | -0.64 | 27.86 | 30 | PASS |
| n77(3450-3550) | 30 | 60 | DFT-BPSK   | H | Outer_Full      | 23.99 | 23.98 | 27    | -0.64 | 26.36 | 30 | PASS |
| n77(3450-3550) | 30 | 60 | DFT-QPSK   | H | Inner_1RB_Left  | 25.27 | 25.35 | 28.32 | -0.64 | 27.68 | 30 | PASS |
| n77(3450-3550) | 30 | 60 | DFT-QPSK   | H | Inner_1RB_Right | 25.4  | 25.18 | 28.3  | -0.64 | 27.66 | 30 | PASS |
| n77(3450-3550) | 30 | 60 | DFT-QPSK   | H | Inner_Full      | 25.52 | 25.49 | 28.52 | -0.64 | 27.88 | 30 | PASS |
| n77(3450-3550) | 30 | 60 | DFT-QPSK   | H | Outer_Full      | 23.4  | 23.52 | 26.47 | -0.64 | 25.83 | 30 | PASS |
| n77(3450-3550) | 30 | 60 | DFT-16QAM  | H | Inner_1RB_Left  | 24.31 | 24.45 | 27.39 | -0.64 | 26.75 | 30 | PASS |
| n77(3450-3550) | 30 | 60 | DFT-16QAM  | H | Inner_1RB_Right | 24.38 | 24.48 | 27.44 | -0.64 | 26.8  | 30 | PASS |
| n77(3450-3550) | 30 | 60 | DFT-16QAM  | H | Inner_Full      | 24.37 | 24.46 | 27.43 | -0.64 | 26.79 | 30 | PASS |
| n77(3450-3550) | 30 | 60 | DFT-16QAM  | H | Outer_Full      | 22.5  | 22.41 | 25.47 | -0.64 | 24.83 | 30 | PASS |
| n77(3450-3550) | 30 | 60 | DFT-64QAM  | H | Inner_1RB_Left  | 22.43 | 22.66 | 25.56 | -0.64 | 24.92 | 30 | PASS |
| n77(3450-3550) | 30 | 60 | DFT-64QAM  | H | Inner_1RB_Right | 22.49 | 22.41 | 25.46 | -0.64 | 24.82 | 30 | PASS |
| n77(3450-3550) | 30 | 60 | DFT-64QAM  | H | Inner_Full      | 22.52 | 22.52 | 25.53 | -0.64 | 24.89 | 30 | PASS |
| n77(3450-3550) | 30 | 60 | DFT-64QAM  | H | Outer_Full      | 21.99 | 22    | 25    | -0.64 | 24.36 | 30 | PASS |
| n77(3450-3550) | 30 | 60 | DFT-256QAM | H | Inner_1RB_Left  | 19.7  | 19.86 | 22.79 | -0.64 | 22.15 | 30 | PASS |
| n77(3450-3550) | 30 | 60 | DFT-256QAM | H | Inner_1RB_Right | 19.84 | 19.71 | 22.79 | -0.64 | 22.15 | 30 | PASS |
| n77(3450-3550) | 30 | 60 | DFT-256QAM | H | Inner_Full      | 19.98 | 19.97 | 22.98 | -0.64 | 22.34 | 30 | PASS |
| n77(3450-3550) | 30 | 60 | DFT-256QAM | H | Outer_Full      | 19.99 | 20.1  | 23.05 | -0.64 | 22.41 | 30 | PASS |
| n77(3450-3550) | 30 | 70 | DFT-BPSK   | L | Inner_1RB_Left  | 25.39 | 25.45 | 28.43 | -0.64 | 27.79 | 30 | PASS |
| n77(3450-3550) | 30 | 70 | DFT-BPSK   | L | Inner_1RB_Right | 25.39 | 25.37 | 28.39 | -0.64 | 27.75 | 30 | PASS |
| n77(3450-3550) | 30 | 70 | DFT-BPSK   | L | Inner_Full      | 25.54 | 25.68 | 28.62 | -0.64 | 27.98 | 30 | PASS |
| n77(3450-3550) | 30 | 70 | DFT-BPSK   | L | Outer_Full      | 23.95 | 23.96 | 26.97 | -0.64 | 26.33 | 30 | PASS |

|                |    |    |            |   |                 |       |       |       |       |       |    |      |
|----------------|----|----|------------|---|-----------------|-------|-------|-------|-------|-------|----|------|
| n77(3450-3550) | 30 | 70 | DFT-QPSK   | L | Inner_1RB_Left  | 25.3  | 25.33 | 28.33 | -0.64 | 27.69 | 30 | PASS |
| n77(3450-3550) | 30 | 70 | DFT-QPSK   | L | Inner_1RB_Right | 25.35 | 25.46 | 28.42 | -0.64 | 27.78 | 30 | PASS |
| n77(3450-3550) | 30 | 70 | DFT-QPSK   | L | Inner_Full      | 25.46 | 25.66 | 28.57 | -0.64 | 27.93 | 30 | PASS |
| n77(3450-3550) | 30 | 70 | DFT-QPSK   | L | Outer_Full      | 23.5  | 23.52 | 26.52 | -0.64 | 25.88 | 30 | PASS |
| n77(3450-3550) | 30 | 70 | DFT-16QAM  | L | Inner_1RB_Left  | 24.39 | 24.29 | 27.35 | -0.64 | 26.71 | 30 | PASS |
| n77(3450-3550) | 30 | 70 | DFT-16QAM  | L | Inner_1RB_Right | 24.43 | 24.5  | 27.47 | -0.64 | 26.83 | 30 | PASS |
| n77(3450-3550) | 30 | 70 | DFT-16QAM  | L | Inner_Full      | 24.46 | 24.55 | 27.51 | -0.64 | 26.87 | 30 | PASS |
| n77(3450-3550) | 30 | 70 | DFT-16QAM  | L | Outer_Full      | 22.55 | 22.54 | 25.56 | -0.64 | 24.92 | 30 | PASS |
| n77(3450-3550) | 30 | 70 | DFT-64QAM  | L | Inner_1RB_Left  | 22.6  | 22.79 | 25.71 | -0.64 | 25.07 | 30 | PASS |
| n77(3450-3550) | 30 | 70 | DFT-64QAM  | L | Inner_1RB_Right | 22.53 | 22.61 | 25.58 | -0.64 | 24.94 | 30 | PASS |
| n77(3450-3550) | 30 | 70 | DFT-64QAM  | L | Inner_Full      | 22.6  | 22.57 | 25.59 | -0.64 | 24.95 | 30 | PASS |
| n77(3450-3550) | 30 | 70 | DFT-64QAM  | L | Outer_Full      | 22.04 | 22.13 | 25.1  | -0.64 | 24.46 | 30 | PASS |
| n77(3450-3550) | 30 | 70 | DFT-256QAM | L | Inner_1RB_Left  | 19.92 | 19.93 | 22.94 | -0.64 | 22.3  | 30 | PASS |
| n77(3450-3550) | 30 | 70 | DFT-256QAM | L | Inner_1RB_Right | 19.92 | 19.94 | 22.94 | -0.64 | 22.3  | 30 | PASS |
| n77(3450-3550) | 30 | 70 | DFT-256QAM | L | Inner_Full      | 19.96 | 20.11 | 23.05 | -0.64 | 22.41 | 30 | PASS |
| n77(3450-3550) | 30 | 70 | DFT-256QAM | L | Outer_Full      | 19.93 | 20.1  | 23.03 | -0.64 | 22.39 | 30 | PASS |
| n77(3450-3550) | 30 | 70 | DFT-BPSK   | M | Inner_1RB_Left  | 25.13 | 25.36 | 28.26 | -0.64 | 27.62 | 30 | PASS |
| n77(3450-3550) | 30 | 70 | DFT-BPSK   | M | Inner_1RB_Right | 25.35 | 25.64 | 28.51 | -0.64 | 27.87 | 30 | PASS |
| n77(3450-3550) | 30 | 70 | DFT-BPSK   | M | Inner_Full      | 25.57 | 25.68 | 28.64 | -0.64 | 28    | 30 | PASS |
| n77(3450-3550) | 30 | 70 | DFT-BPSK   | M | Outer_Full      | 23.99 | 24.09 | 27.05 | -0.64 | 26.41 | 30 | PASS |
| n77(3450-3550) | 30 | 70 | DFT-QPSK   | M | Inner_1RB_Left  | 25.22 | 25.36 | 28.3  | -0.64 | 27.66 | 30 | PASS |
| n77(3450-3550) | 30 | 70 | DFT-QPSK   | M | Inner_1RB_Right | 25.36 | 25.69 | 28.54 | -0.64 | 27.9  | 30 | PASS |
| n77(3450-3550) | 30 | 70 | DFT-QPSK   | M | Inner_Full      | 25.59 | 25.67 | 28.64 | -0.64 | 28    | 30 | PASS |
| n77(3450-3550) | 30 | 70 | DFT-QPSK   | M | Outer_Full      | 23.5  | 23.67 | 26.6  | -0.64 | 25.96 | 30 | PASS |
| n77(3450-3550) | 30 | 70 | DFT-16QAM  | M | Inner_1RB_Left  | 24.22 | 24.35 | 27.3  | -0.64 | 26.66 | 30 | PASS |
| n77(3450-3550) | 30 | 70 | DFT-16QAM  | M | Inner_1RB_Right | 24.38 | 24.7  | 27.55 | -0.64 | 26.91 | 30 | PASS |
| n77(3450-3550) | 30 | 70 | DFT-16QAM  | M | Inner_Full      | 24.47 | 24.63 | 27.56 | -0.64 | 26.92 | 30 | PASS |
| n77(3450-3550) | 30 | 70 | DFT-16QAM  | M | Outer_Full      | 22.54 | 22.64 | 25.6  | -0.64 | 24.96 | 30 | PASS |
| n77(3450-3550) | 30 | 70 | DFT-64QAM  | M | Inner_1RB_Left  | 22.22 | 22.55 | 25.4  | -0.64 | 24.76 | 30 | PASS |
| n77(3450-3550) | 30 | 70 | DFT-64QAM  | M | Inner_1RB_Right | 22.47 | 22.49 | 25.49 | -0.64 | 24.85 | 30 | PASS |
| n77(3450-3550) | 30 | 70 | DFT-64QAM  | M | Inner_Full      | 22.48 | 22.67 | 25.59 | -0.64 | 24.95 | 30 | PASS |
| n77(3450-3550) | 30 | 70 | DFT-64QAM  | M | Outer_Full      | 21.93 | 22.1  | 25.03 | -0.64 | 24.39 | 30 | PASS |
| n77(3450-3550) | 30 | 70 | DFT-256QAM | M | Inner_1RB_Left  | 19.79 | 20.01 | 22.91 | -0.64 | 22.27 | 30 | PASS |
| n77(3450-3550) | 30 | 70 | DFT-256QAM | M | Inner_1RB_Right | 20.03 | 20.13 | 23.09 | -0.64 | 22.45 | 30 | PASS |
| n77(3450-3550) | 30 | 70 | DFT-256QAM | M | Inner_Full      | 20.06 | 20.08 | 23.08 | -0.64 | 22.44 | 30 | PASS |
| n77(3450-3550) | 30 | 70 | DFT-256QAM | M | Outer_Full      | 20.11 | 20.1  | 23.12 | -0.64 | 22.48 | 30 | PASS |
| n77(3450-3550) | 30 | 70 | DFT-BPSK   | H | Inner_1RB_Left  | 25.43 | 25.43 | 28.44 | -0.64 | 27.8  | 30 | PASS |
| n77(3450-3550) | 30 | 70 | DFT-BPSK   | H | Inner_1RB_Right | 25.4  | 25.27 | 28.34 | -0.64 | 27.7  | 30 | PASS |
| n77(3450-3550) | 30 | 70 | DFT-BPSK   | H | Inner_Full      | 25.48 | 25.63 | 28.57 | -0.64 | 27.93 | 30 | PASS |
| n77(3450-3550) | 30 | 70 | DFT-BPSK   | H | Outer_Full      | 23.97 | 24.04 | 27.01 | -0.64 | 26.37 | 30 | PASS |
| n77(3450-3550) | 30 | 70 | DFT-QPSK   | H | Inner_1RB_Left  | 25.49 | 25.66 | 28.59 | -0.64 | 27.95 | 30 | PASS |

|                |    |    |            |   |                 |       |       |       |       |       |    |      |
|----------------|----|----|------------|---|-----------------|-------|-------|-------|-------|-------|----|------|
| n77(3450-3550) | 30 | 70 | DFT-QPSK   | H | Inner_1RB_Right | 25.44 | 25.21 | 28.34 | -0.64 | 27.7  | 30 | PASS |
| n77(3450-3550) | 30 | 70 | DFT-QPSK   | H | Inner_Full      | 25.5  | 25.51 | 28.51 | -0.64 | 27.87 | 30 | PASS |
| n77(3450-3550) | 30 | 70 | DFT-QPSK   | H | Outer_Full      | 23.44 | 23.57 | 26.51 | -0.64 | 25.87 | 30 | PASS |
| n77(3450-3550) | 30 | 70 | DFT-16QAM  | H | Inner_1RB_Left  | 24.48 | 24.57 | 27.54 | -0.64 | 26.9  | 30 | PASS |
| n77(3450-3550) | 30 | 70 | DFT-16QAM  | H | Inner_1RB_Right | 24.57 | 24.42 | 27.51 | -0.64 | 26.87 | 30 | PASS |
| n77(3450-3550) | 30 | 70 | DFT-16QAM  | H | Inner_Full      | 24.34 | 24.44 | 27.4  | -0.64 | 26.76 | 30 | PASS |
| n77(3450-3550) | 30 | 70 | DFT-16QAM  | H | Outer_Full      | 22.48 | 22.53 | 25.51 | -0.64 | 24.87 | 30 | PASS |
| n77(3450-3550) | 30 | 70 | DFT-64QAM  | H | Inner_1RB_Left  | 22.51 | 22.64 | 25.59 | -0.64 | 24.95 | 30 | PASS |
| n77(3450-3550) | 30 | 70 | DFT-64QAM  | H | Inner_1RB_Right | 22.53 | 22.26 | 25.41 | -0.64 | 24.77 | 30 | PASS |
| n77(3450-3550) | 30 | 70 | DFT-64QAM  | H | Inner_Full      | 22.48 | 22.63 | 25.57 | -0.64 | 24.93 | 30 | PASS |
| n77(3450-3550) | 30 | 70 | DFT-64QAM  | H | Outer_Full      | 21.96 | 22.09 | 25.04 | -0.64 | 24.4  | 30 | PASS |
| n77(3450-3550) | 30 | 70 | DFT-256QAM | H | Inner_1RB_Left  | 19.96 | 20.1  | 23.04 | -0.64 | 22.4  | 30 | PASS |
| n77(3450-3550) | 30 | 70 | DFT-256QAM | H | Inner_1RB_Right | 19.89 | 19.82 | 22.86 | -0.64 | 22.22 | 30 | PASS |
| n77(3450-3550) | 30 | 70 | DFT-256QAM | H | Inner_Full      | 19.97 | 20.11 | 23.05 | -0.64 | 22.41 | 30 | PASS |
| n77(3450-3550) | 30 | 70 | DFT-256QAM | H | Outer_Full      | 19.97 | 20.09 | 23.04 | -0.64 | 22.4  | 30 | PASS |
| n77(3450-3550) | 30 | 80 | DFT-BPSK   | L | Inner_1RB_Left  | 25.38 | 25.47 | 28.44 | -0.64 | 27.8  | 30 | PASS |
| n77(3450-3550) | 30 | 80 | DFT-BPSK   | L | Inner_1RB_Right | 25.54 | 25.71 | 28.64 | -0.64 | 28    | 30 | PASS |
| n77(3450-3550) | 30 | 80 | DFT-BPSK   | L | Inner_Full      | 25.57 | 25.63 | 28.61 | -0.64 | 27.97 | 30 | PASS |
| n77(3450-3550) | 30 | 80 | DFT-BPSK   | L | Outer_Full      | 24.06 | 24.23 | 27.16 | -0.64 | 26.52 | 30 | PASS |
| n77(3450-3550) | 30 | 80 | DFT-QPSK   | L | Inner_1RB_Left  | 25.41 | 25.48 | 28.46 | -0.64 | 27.82 | 30 | PASS |
| n77(3450-3550) | 30 | 80 | DFT-QPSK   | L | Inner_1RB_Right | 25.44 | 25.69 | 28.57 | -0.64 | 27.93 | 30 | PASS |
| n77(3450-3550) | 30 | 80 | DFT-QPSK   | L | Inner_Full      | 25.52 | 25.65 | 28.6  | -0.64 | 27.96 | 30 | PASS |
| n77(3450-3550) | 30 | 80 | DFT-QPSK   | L | Outer_Full      | 23.58 | 23.75 | 26.67 | -0.64 | 26.03 | 30 | PASS |
| n77(3450-3550) | 30 | 80 | DFT-16QAM  | L | Inner_1RB_Left  | 24.33 | 24.62 | 27.49 | -0.64 | 26.85 | 30 | PASS |
| n77(3450-3550) | 30 | 80 | DFT-16QAM  | L | Inner_1RB_Right | 24.49 | 24.74 | 27.63 | -0.64 | 26.99 | 30 | PASS |
| n77(3450-3550) | 30 | 80 | DFT-16QAM  | L | Inner_Full      | 24.45 | 24.59 | 27.53 | -0.64 | 26.89 | 30 | PASS |
| n77(3450-3550) | 30 | 80 | DFT-16QAM  | L | Outer_Full      | 22.5  | 22.57 | 25.55 | -0.64 | 24.91 | 30 | PASS |
| n77(3450-3550) | 30 | 80 | DFT-64QAM  | L | Inner_1RB_Left  | 22.5  | 22.45 | 25.49 | -0.64 | 24.85 | 30 | PASS |
| n77(3450-3550) | 30 | 80 | DFT-64QAM  | L | Inner_1RB_Right | 22.53 | 22.62 | 25.59 | -0.64 | 24.95 | 30 | PASS |
| n77(3450-3550) | 30 | 80 | DFT-64QAM  | L | Inner_Full      | 22.55 | 22.72 | 25.64 | -0.64 | 25    | 30 | PASS |
| n77(3450-3550) | 30 | 80 | DFT-64QAM  | L | Outer_Full      | 22    | 22.19 | 25.11 | -0.64 | 24.47 | 30 | PASS |
| n77(3450-3550) | 30 | 80 | DFT-256QAM | L | Inner_1RB_Left  | 19.81 | 19.87 | 22.85 | -0.64 | 22.21 | 30 | PASS |
| n77(3450-3550) | 30 | 80 | DFT-256QAM | L | Inner_1RB_Right | 19.85 | 20    | 22.93 | -0.64 | 22.29 | 30 | PASS |
| n77(3450-3550) | 30 | 80 | DFT-256QAM | L | Inner_Full      | 20.04 | 20.12 | 23.09 | -0.64 | 22.45 | 30 | PASS |
| n77(3450-3550) | 30 | 80 | DFT-256QAM | L | Outer_Full      | 20.02 | 20.18 | 23.11 | -0.64 | 22.47 | 30 | PASS |
| n77(3450-3550) | 30 | 80 | DFT-BPSK   | M | Inner_1RB_Left  | 25.33 | 25.64 | 28.5  | -0.64 | 27.86 | 30 | PASS |
| n77(3450-3550) | 30 | 80 | DFT-BPSK   | M | Inner_1RB_Right | 25.49 | 25.59 | 28.55 | -0.64 | 27.91 | 30 | PASS |
| n77(3450-3550) | 30 | 80 | DFT-BPSK   | M | Inner_Full      | 25.53 | 25.66 | 28.6  | -0.64 | 27.96 | 30 | PASS |
| n77(3450-3550) | 30 | 80 | DFT-BPSK   | M | Outer_Full      | 24.04 | 24.2  | 27.13 | -0.64 | 26.49 | 30 | PASS |
| n77(3450-3550) | 30 | 80 | DFT-QPSK   | M | Inner_1RB_Left  | 25.33 | 25.72 | 28.54 | -0.64 | 27.9  | 30 | PASS |
| n77(3450-3550) | 30 | 80 | DFT-QPSK   | M | Inner_1RB_Right | 25.51 | 25.65 | 28.59 | -0.64 | 27.95 | 30 | PASS |

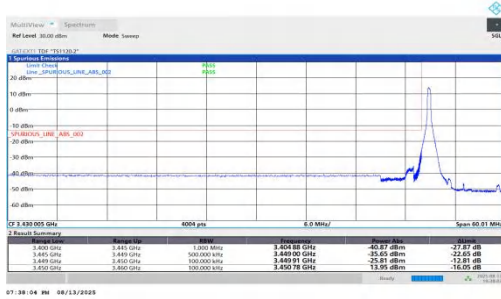
|                |    |    |            |   |                 |       |       |       |       |       |    |      |
|----------------|----|----|------------|---|-----------------|-------|-------|-------|-------|-------|----|------|
| n77(3450-3550) | 30 | 80 | DFT-QPSK   | M | Inner_Full      | 25.55 | 25.65 | 28.61 | -0.64 | 27.97 | 30 | PASS |
| n77(3450-3550) | 30 | 80 | DFT-QPSK   | M | Outer_Full      | 23.56 | 23.73 | 26.66 | -0.64 | 26.02 | 30 | PASS |
| n77(3450-3550) | 30 | 80 | DFT-16QAM  | M | Inner_1RB_Left  | 24.18 | 24.33 | 27.27 | -0.64 | 26.63 | 30 | PASS |
| n77(3450-3550) | 30 | 80 | DFT-16QAM  | M | Inner_1RB_Right | 24.31 | 24.46 | 27.4  | -0.64 | 26.76 | 30 | PASS |
| n77(3450-3550) | 30 | 80 | DFT-16QAM  | M | Inner_Full      | 24.51 | 24.72 | 27.63 | -0.64 | 26.99 | 30 | PASS |
| n77(3450-3550) | 30 | 80 | DFT-16QAM  | M | Outer_Full      | 22.49 | 22.66 | 25.59 | -0.64 | 24.95 | 30 | PASS |
| n77(3450-3550) | 30 | 80 | DFT-64QAM  | M | Inner_1RB_Left  | 22.31 | 22.49 | 25.41 | -0.64 | 24.77 | 30 | PASS |
| n77(3450-3550) | 30 | 80 | DFT-64QAM  | M | Inner_1RB_Right | 22.61 | 22.63 | 25.63 | -0.64 | 24.99 | 30 | PASS |
| n77(3450-3550) | 30 | 80 | DFT-64QAM  | M | Inner_Full      | 22.52 | 22.63 | 25.59 | -0.64 | 24.95 | 30 | PASS |
| n77(3450-3550) | 30 | 80 | DFT-64QAM  | M | Outer_Full      | 22    | 22.19 | 25.11 | -0.64 | 24.47 | 30 | PASS |
| n77(3450-3550) | 30 | 80 | DFT-256QAM | M | Inner_1RB_Left  | 19.47 | 19.84 | 22.67 | -0.64 | 22.03 | 30 | PASS |
| n77(3450-3550) | 30 | 80 | DFT-256QAM | M | Inner_1RB_Right | 20    | 20.31 | 23.17 | -0.64 | 22.53 | 30 | PASS |
| n77(3450-3550) | 30 | 80 | DFT-256QAM | M | Inner_Full      | 19.99 | 20.15 | 23.08 | -0.64 | 22.44 | 30 | PASS |
| n77(3450-3550) | 30 | 80 | DFT-256QAM | M | Outer_Full      | 20.07 | 20.25 | 23.17 | -0.64 | 22.53 | 30 | PASS |
| n77(3450-3550) | 30 | 80 | DFT-BPSK   | H | Inner_1RB_Left  | 25.43 | 25.56 | 28.51 | -0.64 | 27.87 | 30 | PASS |
| n77(3450-3550) | 30 | 80 | DFT-BPSK   | H | Inner_1RB_Right | 25.66 | 25.52 | 28.6  | -0.64 | 27.96 | 30 | PASS |
| n77(3450-3550) | 30 | 80 | DFT-BPSK   | H | Inner_Full      | 25.59 | 25.62 | 28.62 | -0.64 | 27.98 | 30 | PASS |
| n77(3450-3550) | 30 | 80 | DFT-BPSK   | H | Outer_Full      | 24.05 | 24.15 | 27.11 | -0.64 | 26.47 | 30 | PASS |
| n77(3450-3550) | 30 | 80 | DFT-QPSK   | H | Inner_1RB_Left  | 25.38 | 25.55 | 28.47 | -0.64 | 27.83 | 30 | PASS |
| n77(3450-3550) | 30 | 80 | DFT-QPSK   | H | Inner_1RB_Right | 25.5  | 25.48 | 28.5  | -0.64 | 27.86 | 30 | PASS |
| n77(3450-3550) | 30 | 80 | DFT-QPSK   | H | Inner_Full      | 25.55 | 25.63 | 28.6  | -0.64 | 27.96 | 30 | PASS |
| n77(3450-3550) | 30 | 80 | DFT-QPSK   | H | Outer_Full      | 23.54 | 23.69 | 26.63 | -0.64 | 25.99 | 30 | PASS |
| n77(3450-3550) | 30 | 80 | DFT-16QAM  | H | Inner_1RB_Left  | 24.38 | 24.56 | 27.48 | -0.64 | 26.84 | 30 | PASS |
| n77(3450-3550) | 30 | 80 | DFT-16QAM  | H | Inner_1RB_Right | 24.43 | 24.24 | 27.35 | -0.64 | 26.71 | 30 | PASS |
| n77(3450-3550) | 30 | 80 | DFT-16QAM  | H | Inner_Full      | 24.59 | 24.57 | 27.59 | -0.64 | 26.95 | 30 | PASS |
| n77(3450-3550) | 30 | 80 | DFT-16QAM  | H | Outer_Full      | 22.51 | 22.62 | 25.58 | -0.64 | 24.94 | 30 | PASS |
| n77(3450-3550) | 30 | 80 | DFT-64QAM  | H | Inner_1RB_Left  | 22.37 | 22.71 | 25.55 | -0.64 | 24.91 | 30 | PASS |
| n77(3450-3550) | 30 | 80 | DFT-64QAM  | H | Inner_1RB_Right | 22.57 | 22.39 | 25.49 | -0.64 | 24.85 | 30 | PASS |
| n77(3450-3550) | 30 | 80 | DFT-64QAM  | H | Inner_Full      | 22.46 | 22.57 | 25.53 | -0.64 | 24.89 | 30 | PASS |
| n77(3450-3550) | 30 | 80 | DFT-64QAM  | H | Outer_Full      | 22.03 | 22.12 | 25.09 | -0.64 | 24.45 | 30 | PASS |
| n77(3450-3550) | 30 | 80 | DFT-256QAM | H | Inner_1RB_Left  | 19.73 | 19.89 | 22.82 | -0.64 | 22.18 | 30 | PASS |
| n77(3450-3550) | 30 | 80 | DFT-256QAM | H | Inner_1RB_Right | 20.13 | 19.98 | 23.07 | -0.64 | 22.43 | 30 | PASS |
| n77(3450-3550) | 30 | 80 | DFT-256QAM | H | Inner_Full      | 20    | 20.16 | 23.09 | -0.64 | 22.45 | 30 | PASS |
| n77(3450-3550) | 30 | 80 | DFT-256QAM | H | Outer_Full      | 20.01 | 20.15 | 23.09 | -0.64 | 22.45 | 30 | PASS |
| n77(3450-3550) | 30 | 90 | DFT-BPSK   | L | Inner_1RB_Left  | 25.5  | 25.47 | 28.5  | -0.64 | 27.86 | 30 | PASS |
| n77(3450-3550) | 30 | 90 | DFT-BPSK   | L | Inner_1RB_Right | 25.42 | 25.59 | 28.52 | -0.64 | 27.88 | 30 | PASS |
| n77(3450-3550) | 30 | 90 | DFT-BPSK   | L | Inner_Full      | 25.51 | 25.68 | 28.61 | -0.64 | 27.97 | 30 | PASS |
| n77(3450-3550) | 30 | 90 | DFT-BPSK   | L | Outer_Full      | 24.09 | 24.13 | 27.12 | -0.64 | 26.48 | 30 | PASS |
| n77(3450-3550) | 30 | 90 | DFT-QPSK   | L | Inner_1RB_Left  | 25.44 | 25.87 | 28.67 | -0.64 | 28.03 | 30 | PASS |
| n77(3450-3550) | 30 | 90 | DFT-QPSK   | L | Inner_1RB_Right | 25.54 | 25.65 | 28.6  | -0.64 | 27.96 | 30 | PASS |
| n77(3450-3550) | 30 | 90 | DFT-QPSK   | L | Inner_Full      | 25.53 | 25.47 | 28.51 | -0.64 | 27.87 | 30 | PASS |

|                |    |    |            |   |                 |       |       |       |       |       |    |      |
|----------------|----|----|------------|---|-----------------|-------|-------|-------|-------|-------|----|------|
| n77(3450-3550) | 30 | 90 | DFT-QPSK   | L | Outer_Full      | 23.5  | 23.66 | 26.59 | -0.64 | 25.95 | 30 | PASS |
| n77(3450-3550) | 30 | 90 | DFT-16QAM  | L | Inner_1RB_Left  | 24.31 | 24.58 | 27.46 | -0.64 | 26.82 | 30 | PASS |
| n77(3450-3550) | 30 | 90 | DFT-16QAM  | L | Inner_1RB_Right | 24.43 | 24.55 | 27.5  | -0.64 | 26.86 | 30 | PASS |
| n77(3450-3550) | 30 | 90 | DFT-16QAM  | L | Inner_Full      | 24.42 | 24.55 | 27.5  | -0.64 | 26.86 | 30 | PASS |
| n77(3450-3550) | 30 | 90 | DFT-16QAM  | L | Outer_Full      | 22.47 | 22.62 | 25.55 | -0.64 | 24.91 | 30 | PASS |
| n77(3450-3550) | 30 | 90 | DFT-64QAM  | L | Inner_1RB_Left  | 22.5  | 22.62 | 25.57 | -0.64 | 24.93 | 30 | PASS |
| n77(3450-3550) | 30 | 90 | DFT-64QAM  | L | Inner_1RB_Right | 22.62 | 22.42 | 25.53 | -0.64 | 24.89 | 30 | PASS |
| n77(3450-3550) | 30 | 90 | DFT-64QAM  | L | Inner_Full      | 22.49 | 22.55 | 25.53 | -0.64 | 24.89 | 30 | PASS |
| n77(3450-3550) | 30 | 90 | DFT-64QAM  | L | Outer_Full      | 21.9  | 22.07 | 25    | -0.64 | 24.36 | 30 | PASS |
| n77(3450-3550) | 30 | 90 | DFT-256QAM | L | Inner_1RB_Left  | 19.92 | 19.86 | 22.9  | -0.64 | 22.26 | 30 | PASS |
| n77(3450-3550) | 30 | 90 | DFT-256QAM | L | Inner_1RB_Right | 19.85 | 19.83 | 22.85 | -0.64 | 22.21 | 30 | PASS |
| n77(3450-3550) | 30 | 90 | DFT-256QAM | L | Inner_Full      | 19.97 | 20.08 | 23.04 | -0.64 | 22.4  | 30 | PASS |
| n77(3450-3550) | 30 | 90 | DFT-256QAM | L | Outer_Full      | 20.03 | 20.09 | 23.07 | -0.64 | 22.43 | 30 | PASS |
| n77(3450-3550) | 30 | 90 | DFT-BPSK   | M | Inner_1RB_Left  | 25.38 | 25.51 | 28.46 | -0.64 | 27.82 | 30 | PASS |
| n77(3450-3550) | 30 | 90 | DFT-BPSK   | M | Inner_1RB_Right | 25.7  | 25.62 | 28.67 | -0.64 | 28.03 | 30 | PASS |
| n77(3450-3550) | 30 | 90 | DFT-BPSK   | M | Inner_Full      | 25.52 | 25.67 | 28.61 | -0.64 | 27.97 | 30 | PASS |
| n77(3450-3550) | 30 | 90 | DFT-BPSK   | M | Outer_Full      | 24.04 | 24.2  | 27.13 | -0.64 | 26.49 | 30 | PASS |
| n77(3450-3550) | 30 | 90 | DFT-QPSK   | M | Inner_1RB_Left  | 25.32 | 25.57 | 28.46 | -0.64 | 27.82 | 30 | PASS |
| n77(3450-3550) | 30 | 90 | DFT-QPSK   | M | Inner_1RB_Right | 25.7  | 25.56 | 28.64 | -0.64 | 28    | 30 | PASS |
| n77(3450-3550) | 30 | 90 | DFT-QPSK   | M | Inner_Full      | 25.57 | 25.58 | 28.59 | -0.64 | 27.95 | 30 | PASS |
| n77(3450-3550) | 30 | 90 | DFT-QPSK   | M | Outer_Full      | 23.56 | 23.73 | 26.66 | -0.64 | 26.02 | 30 | PASS |
| n77(3450-3550) | 30 | 90 | DFT-16QAM  | M | Inner_1RB_Left  | 24.21 | 24.57 | 27.4  | -0.64 | 26.76 | 30 | PASS |
| n77(3450-3550) | 30 | 90 | DFT-16QAM  | M | Inner_1RB_Right | 24.38 | 24.29 | 27.35 | -0.64 | 26.71 | 30 | PASS |
| n77(3450-3550) | 30 | 90 | DFT-16QAM  | M | Inner_Full      | 24.47 | 24.68 | 27.58 | -0.64 | 26.94 | 30 | PASS |
| n77(3450-3550) | 30 | 90 | DFT-16QAM  | M | Outer_Full      | 22.52 | 22.7  | 25.62 | -0.64 | 24.98 | 30 | PASS |
| n77(3450-3550) | 30 | 90 | DFT-64QAM  | M | Inner_1RB_Left  | 22.37 | 22.62 | 25.5  | -0.64 | 24.86 | 30 | PASS |
| n77(3450-3550) | 30 | 90 | DFT-64QAM  | M | Inner_1RB_Right | 22.57 | 22.44 | 25.52 | -0.64 | 24.88 | 30 | PASS |
| n77(3450-3550) | 30 | 90 | DFT-64QAM  | M | Inner_Full      | 22.53 | 22.65 | 25.6  | -0.64 | 24.96 | 30 | PASS |
| n77(3450-3550) | 30 | 90 | DFT-64QAM  | M | Outer_Full      | 21.99 | 22.16 | 25.09 | -0.64 | 24.45 | 30 | PASS |
| n77(3450-3550) | 30 | 90 | DFT-256QAM | M | Inner_1RB_Left  | 19.87 | 20.13 | 23.01 | -0.64 | 22.37 | 30 | PASS |
| n77(3450-3550) | 30 | 90 | DFT-256QAM | M | Inner_1RB_Right | 20.13 | 20.09 | 23.12 | -0.64 | 22.48 | 30 | PASS |
| n77(3450-3550) | 30 | 90 | DFT-256QAM | M | Inner_Full      | 20.01 | 20.19 | 23.11 | -0.64 | 22.47 | 30 | PASS |
| n77(3450-3550) | 30 | 90 | DFT-256QAM | M | Outer_Full      | 19.98 | 20.16 | 23.09 | -0.64 | 22.45 | 30 | PASS |
| n77(3450-3550) | 30 | 90 | DFT-BPSK   | H | Inner_1RB_Left  | 25.26 | 25.54 | 28.41 | -0.64 | 27.77 | 30 | PASS |
| n77(3450-3550) | 30 | 90 | DFT-BPSK   | H | Inner_1RB_Right | 25.64 | 25.49 | 28.58 | -0.64 | 27.94 | 30 | PASS |
| n77(3450-3550) | 30 | 90 | DFT-BPSK   | H | Inner_Full      | 25.61 | 25.7  | 28.67 | -0.64 | 28.03 | 30 | PASS |
| n77(3450-3550) | 30 | 90 | DFT-BPSK   | H | Outer_Full      | 24.06 | 24.21 | 27.14 | -0.64 | 26.5  | 30 | PASS |
| n77(3450-3550) | 30 | 90 | DFT-QPSK   | H | Inner_1RB_Left  | 25.26 | 25.47 | 28.38 | -0.64 | 27.74 | 30 | PASS |
| n77(3450-3550) | 30 | 90 | DFT-QPSK   | H | Inner_1RB_Right | 25.73 | 25.54 | 28.65 | -0.64 | 28.01 | 30 | PASS |
| n77(3450-3550) | 30 | 90 | DFT-QPSK   | H | Inner_Full      | 25.64 | 25.78 | 28.72 | -0.64 | 28.08 | 30 | PASS |
| n77(3450-3550) | 30 | 90 | DFT-QPSK   | H | Outer_Full      | 23.55 | 23.72 | 26.64 | -0.64 | 26    | 30 | PASS |

|                |    |     |            |   |                 |       |       |       |       |       |    |      |
|----------------|----|-----|------------|---|-----------------|-------|-------|-------|-------|-------|----|------|
| n77(3450-3550) | 30 | 90  | DFT-16QAM  | H | Inner_1RB_Left  | 24.28 | 24.32 | 27.31 | -0.64 | 26.67 | 30 | PASS |
| n77(3450-3550) | 30 | 90  | DFT-16QAM  | H | Inner_1RB_Right | 24.54 | 24.48 | 27.52 | -0.64 | 26.88 | 30 | PASS |
| n77(3450-3550) | 30 | 90  | DFT-16QAM  | H | Inner_Full      | 24.73 | 24.69 | 27.72 | -0.64 | 27.08 | 30 | PASS |
| n77(3450-3550) | 30 | 90  | DFT-16QAM  | H | Outer_Full      | 22.53 | 22.68 | 25.62 | -0.64 | 24.98 | 30 | PASS |
| n77(3450-3550) | 30 | 90  | DFT-64QAM  | H | Inner_1RB_Left  | 22.27 | 22.68 | 25.49 | -0.64 | 24.85 | 30 | PASS |
| n77(3450-3550) | 30 | 90  | DFT-64QAM  | H | Inner_1RB_Right | 22.58 | 22.58 | 25.59 | -0.64 | 24.95 | 30 | PASS |
| n77(3450-3550) | 30 | 90  | DFT-64QAM  | H | Inner_Full      | 22.61 | 22.75 | 25.69 | -0.64 | 25.05 | 30 | PASS |
| n77(3450-3550) | 30 | 90  | DFT-64QAM  | H | Outer_Full      | 22.07 | 22.23 | 25.16 | -0.64 | 24.52 | 30 | PASS |
| n77(3450-3550) | 30 | 90  | DFT-256QAM | H | Inner_1RB_Left  | 19.54 | 19.94 | 22.75 | -0.64 | 22.11 | 30 | PASS |
| n77(3450-3550) | 30 | 90  | DFT-256QAM | H | Inner_1RB_Right | 20.06 | 20.12 | 23.1  | -0.64 | 22.46 | 30 | PASS |
| n77(3450-3550) | 30 | 90  | DFT-256QAM | H | Inner_Full      | 20.02 | 20.19 | 23.12 | -0.64 | 22.48 | 30 | PASS |
| n77(3450-3550) | 30 | 90  | DFT-256QAM | H | Outer_Full      | 19.98 | 20.26 | 23.14 | -0.64 | 22.5  | 30 | PASS |
| n77(3450-3550) | 30 | 100 | DFT-BPSK   | L | Inner_1RB_Left  | 25.31 | 25.41 | 28.37 | -0.64 | 27.73 | 30 | PASS |
| n77(3450-3550) | 30 | 100 | DFT-BPSK   | L | Inner_1RB_Right | 25.55 | 25.5  | 28.54 | -0.64 | 27.9  | 30 | PASS |
| n77(3450-3550) | 30 | 100 | DFT-BPSK   | L | Inner_Full      | 25.45 | 25.61 | 28.54 | -0.64 | 27.9  | 30 | PASS |
| n77(3450-3550) | 30 | 100 | DFT-BPSK   | L | Outer_Full      | 23.9  | 24.18 | 27.05 | -0.64 | 26.41 | 30 | PASS |
| n77(3450-3550) | 30 | 100 | DFT-QPSK   | L | Inner_1RB_Left  | 25.33 | 25.61 | 28.48 | -0.64 | 27.84 | 30 | PASS |
| n77(3450-3550) | 30 | 100 | DFT-QPSK   | L | Inner_1RB_Right | 25.58 | 25.45 | 28.52 | -0.64 | 27.88 | 30 | PASS |
| n77(3450-3550) | 30 | 100 | DFT-QPSK   | L | Inner_Full      | 25.45 | 25.64 | 28.56 | -0.64 | 27.92 | 30 | PASS |
| n77(3450-3550) | 30 | 100 | DFT-QPSK   | L | Outer_Full      | 23.55 | 23.62 | 26.6  | -0.64 | 25.96 | 30 | PASS |
| n77(3450-3550) | 30 | 100 | DFT-16QAM  | L | Inner_1RB_Left  | 24.33 | 24.41 | 27.38 | -0.64 | 26.74 | 30 | PASS |
| n77(3450-3550) | 30 | 100 | DFT-16QAM  | L | Inner_1RB_Right | 24.45 | 24.39 | 27.43 | -0.64 | 26.79 | 30 | PASS |
| n77(3450-3550) | 30 | 100 | DFT-16QAM  | L | Inner_Full      | 24.51 | 24.65 | 27.59 | -0.64 | 26.95 | 30 | PASS |
| n77(3450-3550) | 30 | 100 | DFT-16QAM  | L | Outer_Full      | 22.47 | 22.66 | 25.57 | -0.64 | 24.93 | 30 | PASS |
| n77(3450-3550) | 30 | 100 | DFT-64QAM  | L | Inner_1RB_Left  | 22.51 | 22.77 | 25.65 | -0.64 | 25.01 | 30 | PASS |
| n77(3450-3550) | 30 | 100 | DFT-64QAM  | L | Inner_1RB_Right | 22.88 | 22.55 | 25.73 | -0.64 | 25.09 | 30 | PASS |
| n77(3450-3550) | 30 | 100 | DFT-64QAM  | L | Inner_Full      | 22.49 | 22.62 | 25.57 | -0.64 | 24.93 | 30 | PASS |
| n77(3450-3550) | 30 | 100 | DFT-64QAM  | L | Outer_Full      | 21.92 | 22.21 | 25.08 | -0.64 | 24.44 | 30 | PASS |
| n77(3450-3550) | 30 | 100 | DFT-256QAM | L | Inner_1RB_Left  | 19.97 | 20.15 | 23.07 | -0.64 | 22.43 | 30 | PASS |
| n77(3450-3550) | 30 | 100 | DFT-256QAM | L | Inner_1RB_Right | 19.97 | 19.81 | 22.9  | -0.64 | 22.26 | 30 | PASS |
| n77(3450-3550) | 30 | 100 | DFT-256QAM | L | Inner_Full      | 19.98 | 20.16 | 23.09 | -0.64 | 22.45 | 30 | PASS |
| n77(3450-3550) | 30 | 100 | DFT-256QAM | L | Outer_Full      | 19.74 | 19.96 | 22.86 | -0.64 | 22.22 | 30 | PASS |

# Band Edge for MIMO ANT1

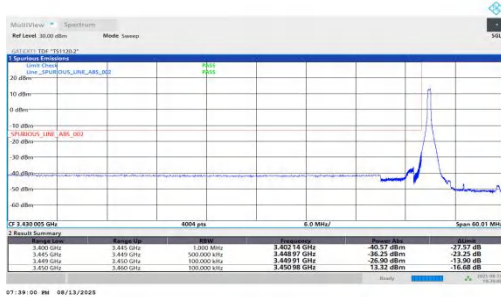
## Test Graphs



NTNV-n77(3450-3550)-PC1.5-30-10-L-DFT-BPSK-Edge\_1RB\_Left-PA SS



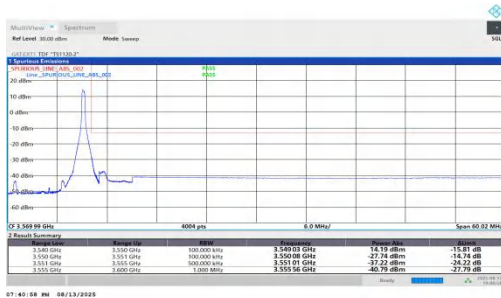
NTNV-n77(3450-3550)-PC1.5-30-10-L-DFT-BPSK-Outer\_Full-PASS



NTNV-n77(3450-3550)-PC1.5-30-10-L-DFT-QPSK-Edge\_1RB\_Left-PA SS



NTNV-n77(3450-3550)-PC1.5-30-10-L-DFT-QPSK-Outer\_Full-PASS



NTNV-n77(3450-3550)-PC1.5-30-10-H-DFT-BPSK-Edge\_1RB\_Right-PASS



NTNV-n77(3450-3550)-PC1.5-30-10-H-DFT-BPSK-Outer\_Full-PASS



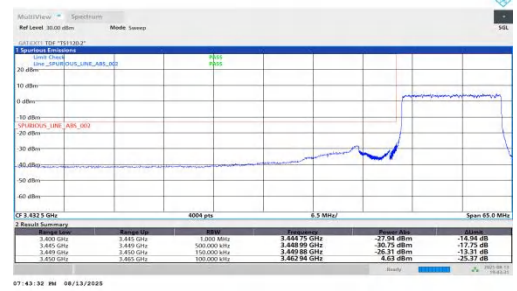
NTNV-n77(3450-3550)-PC1.5-30-10-H-DFT-QPSK-Edge\_1RB\_Right-PASS



NTNV-n77(3450-3550)-PC1.5-30-10-H-DFT-QPSK-Outer\_Full-PASS



NTNV-n77(3450-3550)-PC1.5-30-15-L-DFT-BPSK-Edge\_1RB\_Left-PA SS



NTNV-n77(3450-3550)-PC1.5-30-15-L-DFT-BPSK-Outer\_Full-PASS



NTNV-n77(3450-3550)-PC1.5-30-15-L-DFT-QPSK-Edge\_1RB\_Left-PA SS



NTNV-n77(3450-3550)-PC1.5-30-15-L-DFT-QPSK-Outer\_Full-PASS



NTNV-n77(3450-3550)-PC1.5-30-15-H-DFT-BPSK-Edge\_1RB\_Right-PASS



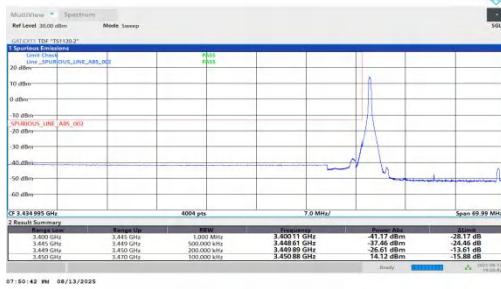
NTNV-n77(3450-3550)-PC1.5-30-15-H-DFT-BPSK-Outer\_Full-PASS



NTNV-n77(3450-3550)-PC1.5-30-15-H-DFT-QPSK-Edge\_1RB\_Right-PASS



NTNV-n77(3450-3550)-PC1.5-30-15-H-DFT-QPSK-Outer\_Full-PASS



NTNV-n77(3450-3550)-PC1.5-30-20-L-DFT-BPSK-Edge\_1RB\_Left-PA SS



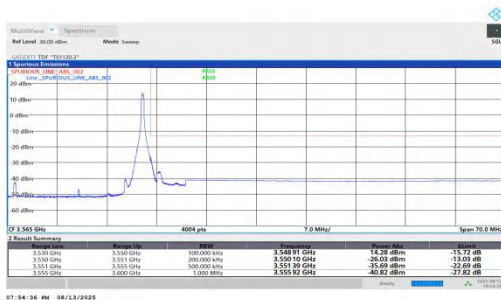
NTNV-n77(3450-3550)-PC1.5-30-20-L-DFT-BPSK-Outer\_Full-PASS



NTNV-n77(3450-3550)-PC1.5-30-20-L-DFT-QPSK-Edge\_1RB\_Left-PA SS



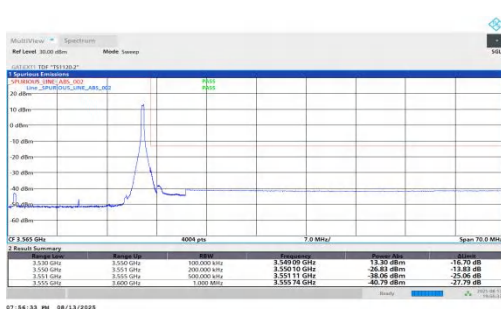
NTNV-n77(3450-3550)-PC1.5-30-20-L-DFT-QPSK-Outer\_Full-PASS



NTNV-n77(3450-3550)-PC1.5-30-20-H-DFT-BPSK-Edge\_1RB\_Right-PASS



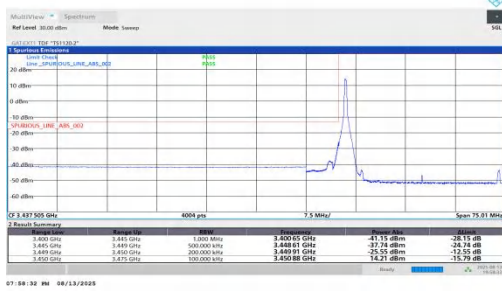
NTNV-n77(3450-3550)-PC1.5-30-20-H-DFT-BPSK-Outer\_Full-PASS



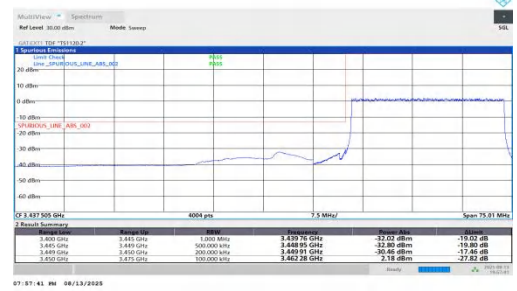
NTNV-n77(3450-3550)-PC1.5-30-20-H-DFT-QPSK-Edge\_1RB\_Right-PASS



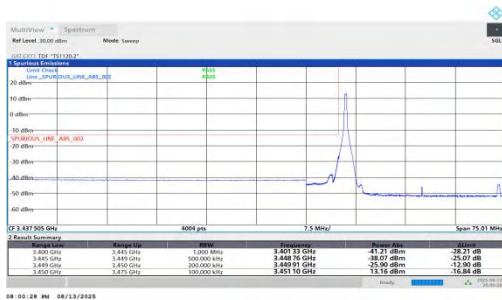
NTNV-n77(3450-3550)-PC1.5-30-20-H-DFT-QPSK-Outer\_Full-PASS



NTNV-n77(3450-3550)-PC1.5-30-25-L-DFT-BPSK-Edge\_1RB\_Left-PA SS



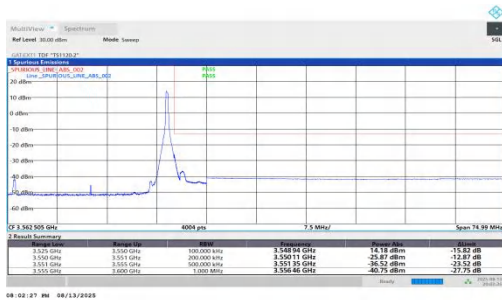
NTNV-n77(3450-3550)-PC1.5-30-25-L-DFT-BPSK-Outer\_Full-PASS



NTNV-n77(3450-3550)-PC1.5-30-25-L-DFT-QPSK-Edge\_1RB\_Left-PA SS



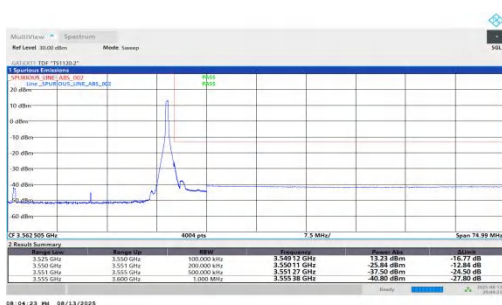
NTNV-n77(3450-3550)-PC1.5-30-25-L-DFT-QPSK-Outer\_Full-PASS



NTNV-n77(3450-3550)-PC1.5-30-25-H-DFT-BPSK-Edge\_1RB\_Right-PASS



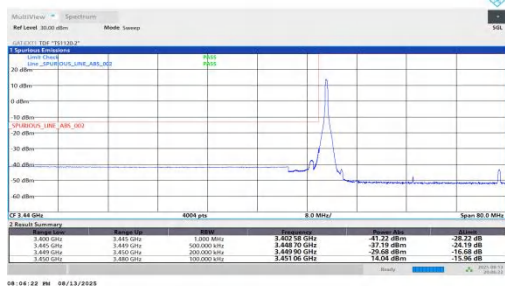
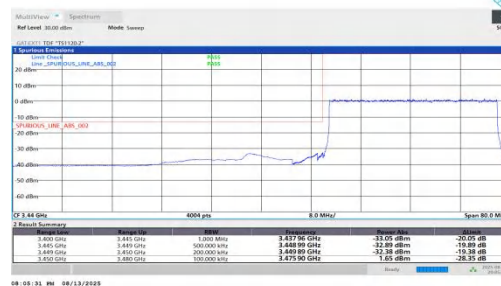
NTNV-n77(3450-3550)-PC1.5-30-25-H-DFT-BPSK-Outer\_Full-PASS



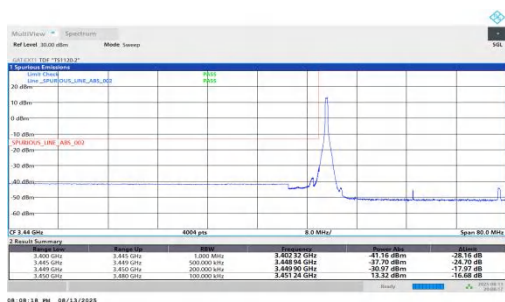
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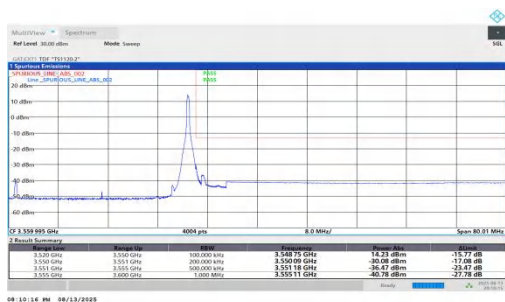
NTNV-n77(3450-3550)-PC1.5-30-25-H-DFT-QPSK-Outer\_Full-PASS

NTNV-n77(3450-3550)-PC1.5-30-30-L-DFT-BPSK-Edge\_1RB\_Left-PA  
SS

NTNV-n77(3450-3550)-PC1.5-30-30-L-DFT-BPSK-Outer\_Full-PASS

NTNV-n77(3450-3550)-PC1.5-30-30-L-DFT-QPSK-Edge\_1RB\_Left-PA  
SS

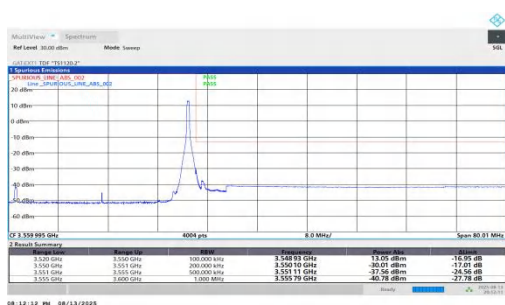
NTNV-n77(3450-3550)-PC1.5-30-30-L-DFT-QPSK-Outer\_Full-PASS



NTNV-n77(3450-3550)-PC1.5-30-30-H-DFT-BPSK-Edge\_1RB\_Right-  
PASS



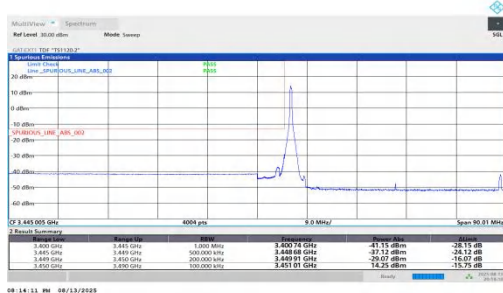
NTNV-n77(3450-3550)-PC1.5-30-30-H-DFT-BPSK-Outer Full-PASS



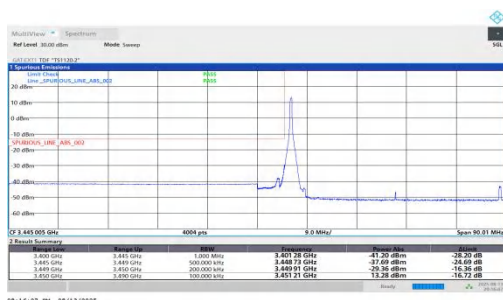
NTNV-n77(3450-3550)-PC1.5-30-30-H-DFT-QPSK-Edge\_1RB\_Right-  
PASS



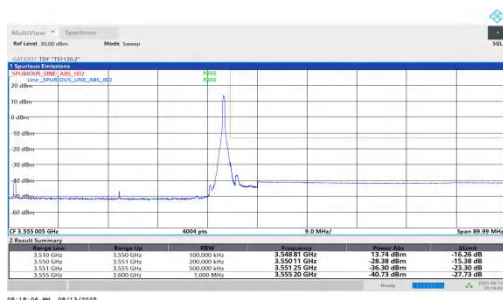
NTNV-n77(3450-3550)-PC1.5-30-30-H-DFT-QPSK-Outer Full-PASS

NTNV-n77(3450-3550)-PC1.5-30-40-L-DFT-BPSK-Edge\_1RB\_Left-PA  
SS

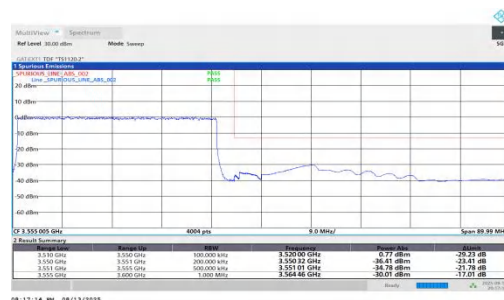
NTNV-n77(3450-3550)-PC1.5-30-40-L-DFT-BPSK-Outer\_Full-PASS

NTNV-n77(3450-3550)-PC1.5-30-40-L-DFT-QPSK-Edge\_1RB\_Left-PA  
SS

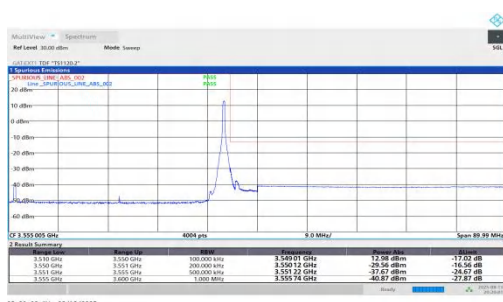
NTNV-n77(3450-3550)-PC1.5-30-40-L-DFT-QPSK-Outer Full-PASS



NTNV-n77(3450-3550)-PC1.5-30-40-H-DFT-BPSK-Edge\_1RB\_Right-  
PASS



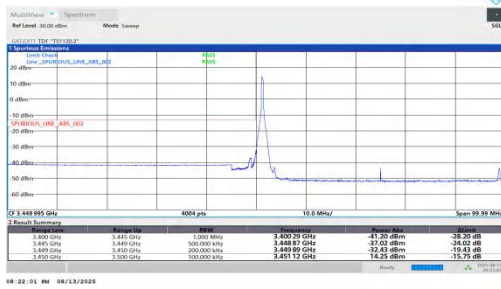
NTNV-n77(3450-3550)-PC1.5-30-40-H-DFT-BPSK-Outer Full-PASS



NTNV-n77(3450-3550)-PC1.5-30-40-H-DFT-QPSK-Edge\_1RB\_Right-  
PASS



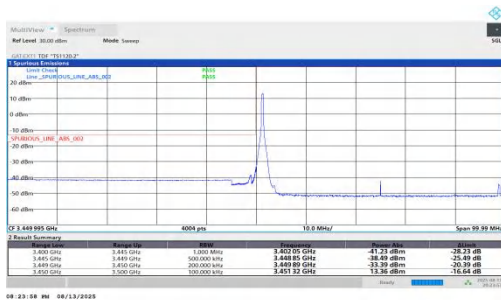
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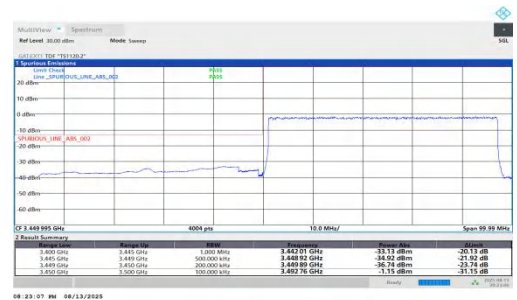
NTNV-n77(3450-3550)-PC1.5-30-50-L-DFT-BPSK-Edge\_1RB\_Left-PA SS



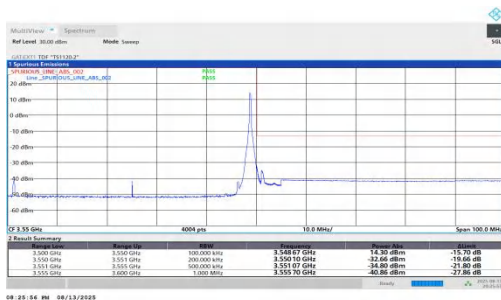
NTNV-n77(3450-3550)-PC1.5-30-50-L-DFT-BPSK-Outer\_Full-PASS



NTNV-n77(3450-3550)-PC1.5-30-50-L-DFT-QPSK-Edge\_1RB\_Left-PA SS



NTNV-n77(3450-3550)-PC1.5-30-50-L-DFT-QPSK-Outer\_Full-PASS



NTNV-n77(3450-3550)-PC1.5-30-50-H-DFT-BPSK-Edge\_1RB\_Right-PASS



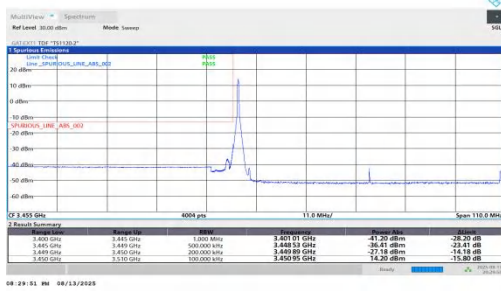
NTNV-n77(3450-3550)-PC1.5-30-50-H-DFT-BPSK-Outer\_Full-PASS



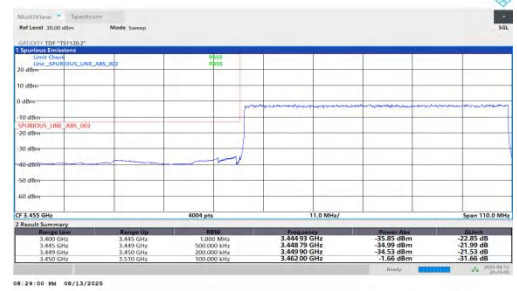
NTNV-n77(3450-3550)-PC1.5-30-50-H-DFT-QPSK-Edge\_1RB\_Right-PASS



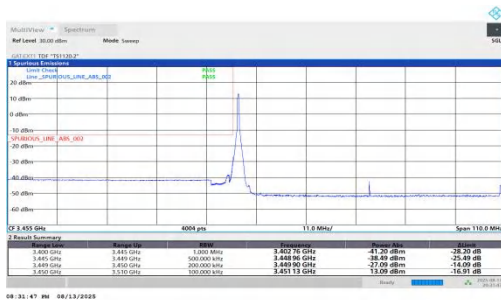
NTNV-n77(3450-3550)-PC1.5-30-50-H-DFT-QPSK-Outer\_Full-PASS



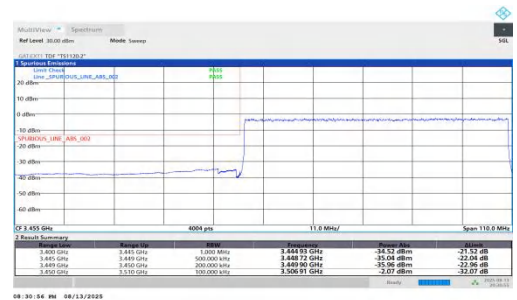
NTNV-n77(3450-3550)-PC1.5-30-60-L-DFT-BPSK-Edge\_1RB\_Left-PA SS



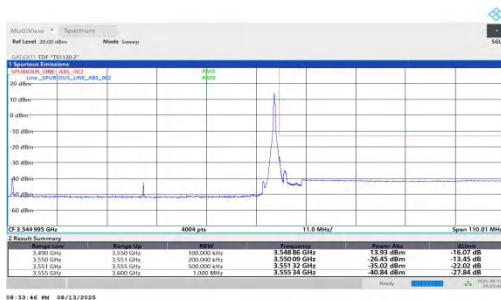
NTNV-n77(3450-3550)-PC1.5-30-60-L-DFT-BPSK-Outer\_Full-PASS



NTNV-n77(3450-3550)-PC1.5-30-60-L-DFT-QPSK-Edge\_1RB\_Left-PA SS



NTNV-n77(3450-3550)-PC1.5-30-60-L-DFT-QPSK-Outer\_Full-PASS



NTNV-n77(3450-3550)-PC1.5-30-60-H-DFT-BPSK-Edge\_1RB\_Right-PASS



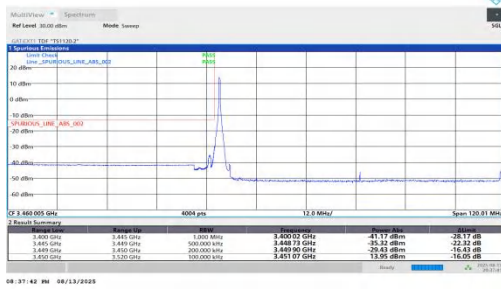
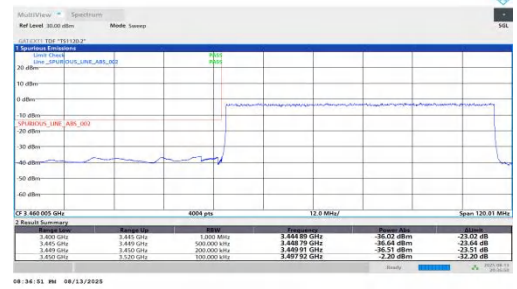
NTNV-n77(3450-3550)-PC1.5-30-60-H-DFT-BPSK-Outer\_Full-PASS



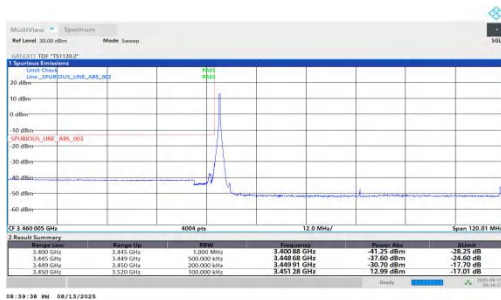
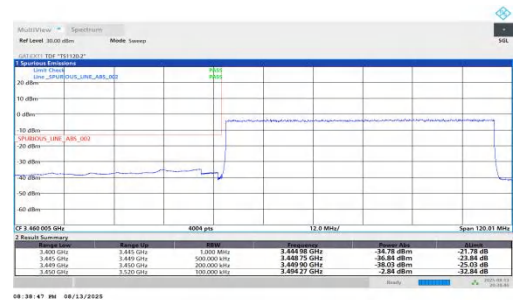
NTNV-n77(3450-3550)-PC1.5-30-60-H-DFT-QPSK-Edge\_1RB\_Right-PASS



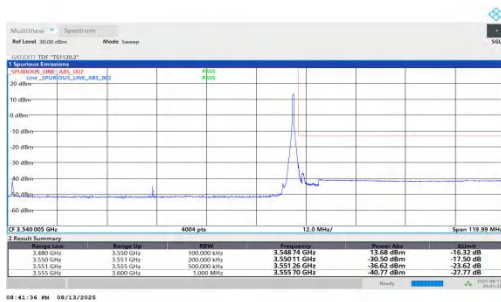
NTNV-n77(3450-3550)-PC1.5-30-60-H-DFT-QPSK-Outer\_Full-PASS


NTNV-n77(3450-3550)-PC1.5-30-70-L-DFT-BPSK-Edge\_1RB\_Left-PA  
SS


NTNV-n77(3450-3550)-PC1.5-30-70-L-DFT-BPSK-Outer\_Full-PASS


NTNV-n77(3450-3550)-PC1.5-30-70-L-DFT-QPSK-Edge\_1RB\_Left-PA  
SS


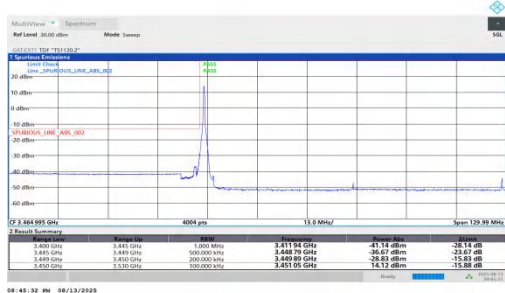
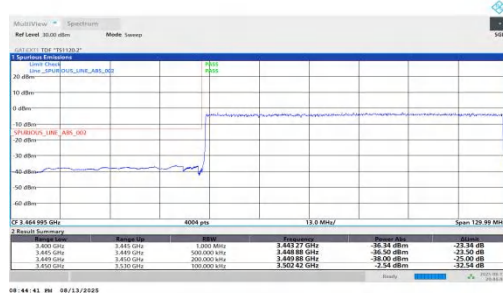
NTNV-n77(3450-3550)-PC1.5-30-70-L-DFT-QPSK-Outer\_Full-PASS


NTNV-n77(3450-3550)-PC1.5-30-70-H-DFT-BPSK-Edge\_1RB\_Right-  
PASS

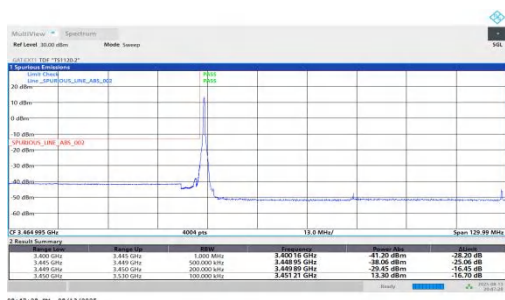

NTNV-n77(3450-3550)-PC1.5-30-70-H-DFT-BPSK-Outer\_Full-PASS


NTNV-n77(3450-3550)-PC1.5-30-70-H-DFT-QPSK-Edge\_1RB\_Right-  
PASS

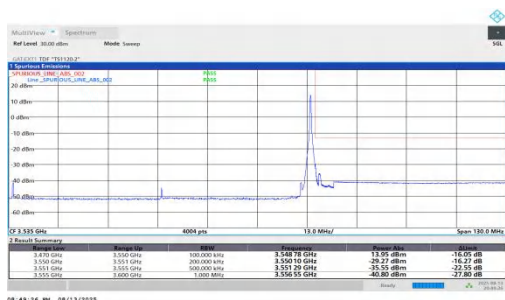

NTNV-n77(3450-3550)-PC1.5-30-70-H-DFT-QPSK-Outer\_Full-PASS

NTNV-n77(3450-3550)-PC1.5-30-80-L-DFT-BPSK-Edge\_1RB\_Left-PA  
SS

NTNV-n77(3450-3550)-PC1.5-30-80-L-DFT-BPSK-Outer\_Full-PASS

NTNV-n77(3450-3550)-PC1.5-30-80-L-DFT-QPSK-Edge\_1RB\_Left-PA  
SS

NTNV-n77(3450-3550)-PC1.5-30-80-L-DFT-QPSK-Outer Full-PASS



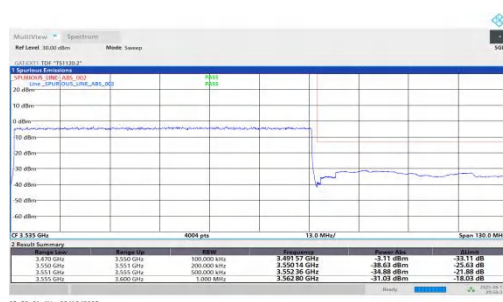
NTNV-n77(3450-3550)-PC1.5-30-80-H-DFT-BPSK-Edge\_1RB\_Right-  
PASS



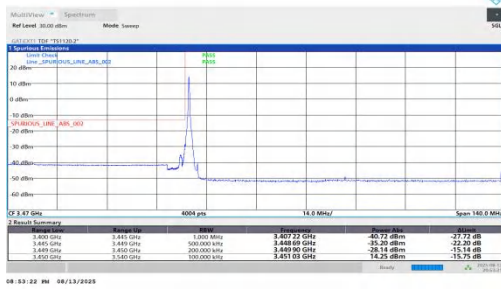
NTNV-n77(3450-3550)-PC1.5-30-80-H-DFT-BPSK-Outer Full-PASS



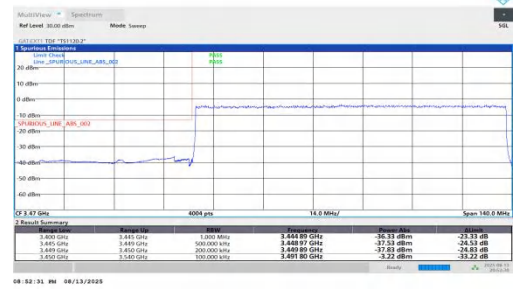
NTNV-n77(3450-3550)-PC1.5-30-80-H-DFT-QPSK-Edge\_1RB\_Right-  
PASS



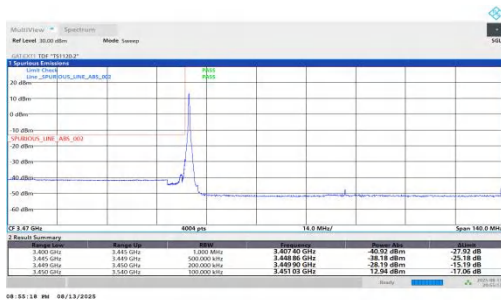
NTNV-n77(3450-3550)-PC1.5-30-80-H-DFT-QPSK-Outer Full-PASS



NTNV-n77(3450-3550)-PC1.5-30-90-L-DFT-BPSK-Edge\_1RB\_Left-PA SS



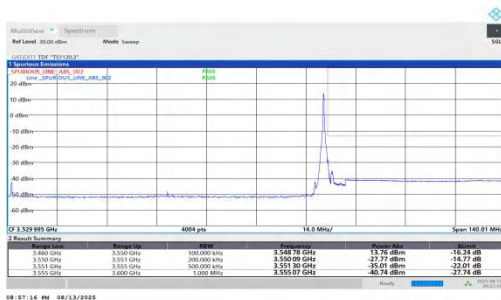
NTNV-n77(3450-3550)-PC1.5-30-90-L-DFT-BPSK-Outer\_Full-PASS



NTNV-n77(3450-3550)-PC1.5-30-90-L-DFT-QPSK-Edge\_1RB\_Left-PA SS



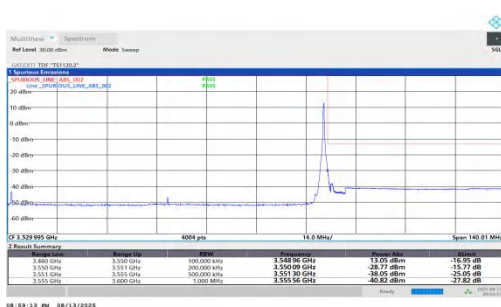
NTNV-n77(3450-3550)-PC1.5-30-90-L-DFT-QPSK-Outer\_Full-PASS



NTNV-n77(3450-3550)-PC1.5-30-90-H-DFT-BPSK-Edge\_1RB\_Right-PASS



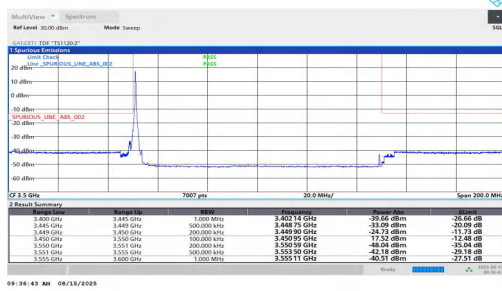
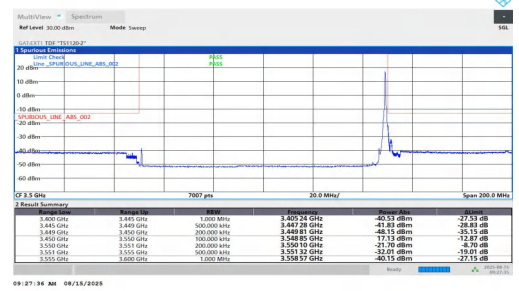
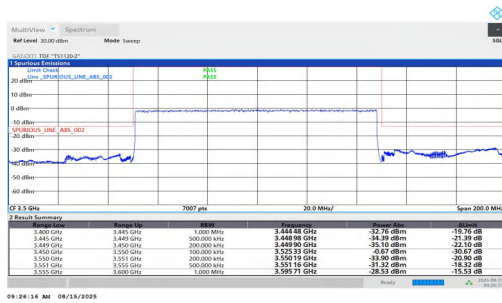
NTNV-n77(3450-3550)-PC1.5-30-90-H-DFT-BPSK-Outer\_Full-PASS



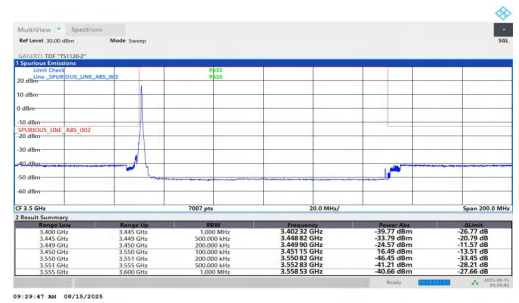
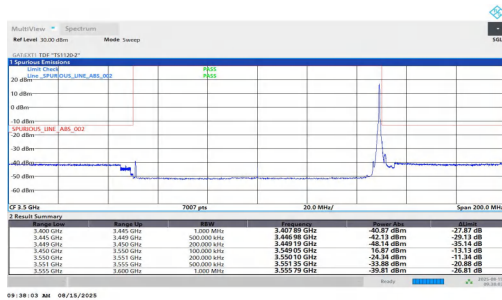
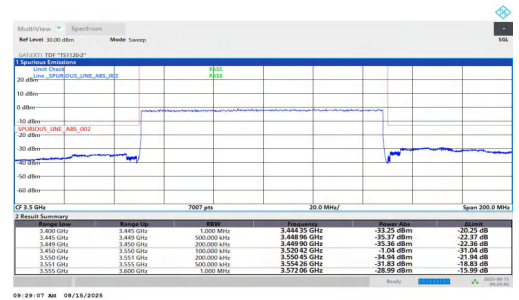
NTNV-n77(3450-3550)-PC1.5-30-90-H-DFT-QPSK-Edge\_1RB\_Right-PASS



NTNV-n77(3450-3550)-PC1.5-30-90-H-DFT-QPSK-Outer\_Full-PASS


NTNV-n77(3450-3550)-PC1.5-30-100-L-DFT-BPSK-Edge\_1RB\_Left-P  
ASS

NTNV-n77(3450-3550)-PC1.5-30-100-L-DFT-BPSK-Edge\_1RB\_Right-P  
PASS


NTNV-n77(3450-3550)-PC1.5-30-100-L-DFT-BPSK-Outer\_Full-PASS


NTNV-n77(3450-3550)-PC1.5-30-100-L-DFT-QPSK-Edge\_1RB\_Left-P  
ASS

NTNV-n77(3450-3550)-PC1.5-30-100-L-DFT-QPSK-Edge\_1RB\_Right-P  
PASS


NTNV-n77(3450-3550)-PC1.5-30-100-L-DFT-QPSK-Outer\_Full-PASS