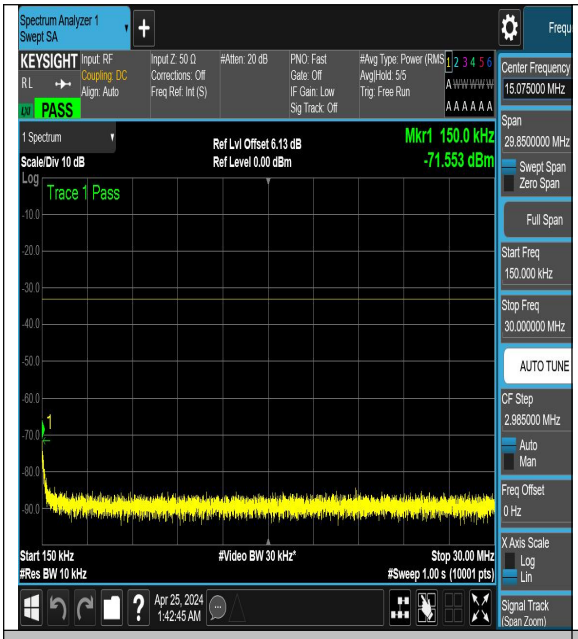
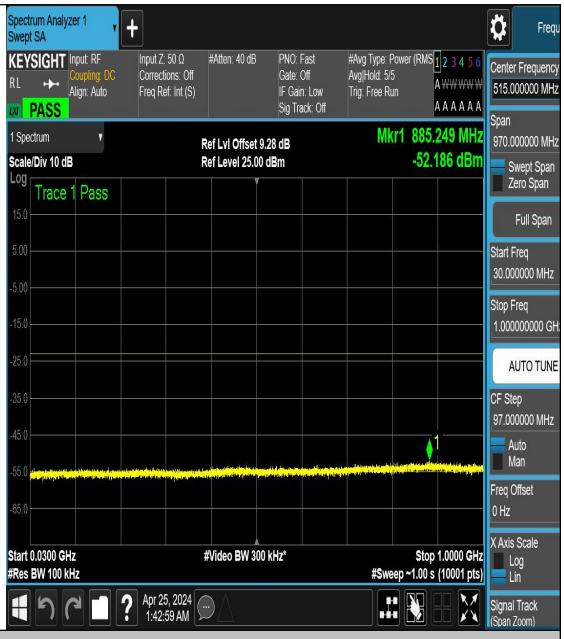
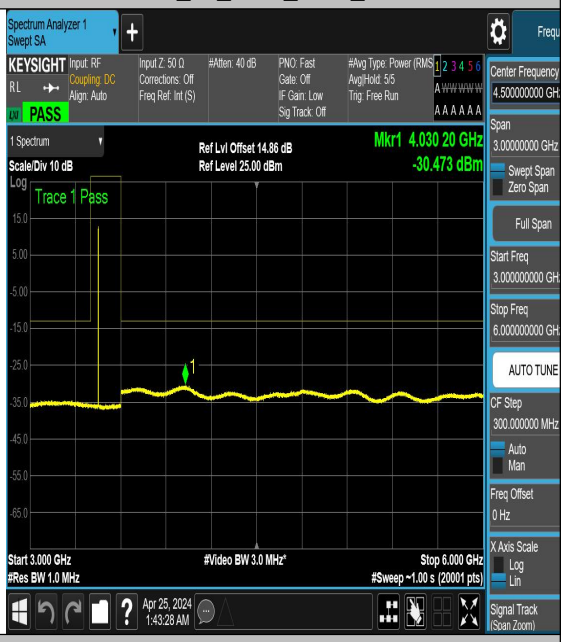



NTNV_N77-3450-3550_PC2_30_100_H_TID16_NS_01_1000_3000_#1




NTNV_N77-3450-3550_PC2_30_100_H_TID16_NS_01_3000_6000_#1

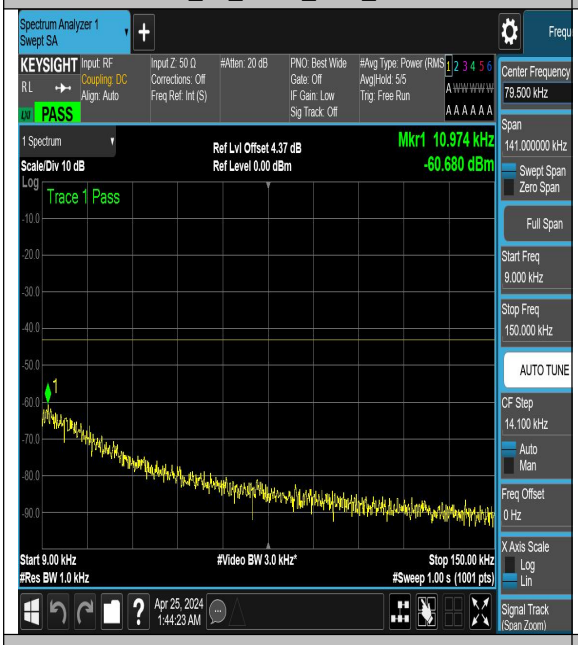
NTNV_N77-3450-3550_PC2_30_100_H_TID16_NS_01_6000_26000_#1




NTNV_N77-3450-3550_PC2_30_100_H_TID16_NS_01_26000_40000_#1

NTNV_N77-3450-3550_PC2_30_100_H_TID17_NS_01_0.009_0.15_#1

NTNV_N77-3450-3550_PC2_30_100_H_TID17_NS_01_0.15_30_#1

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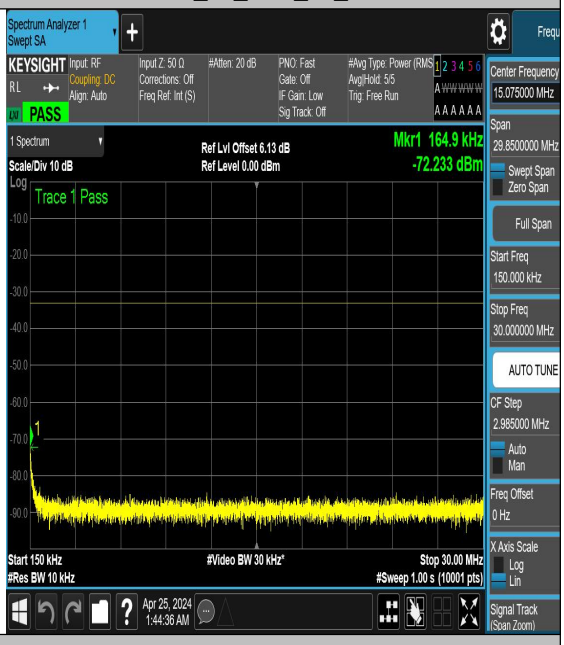


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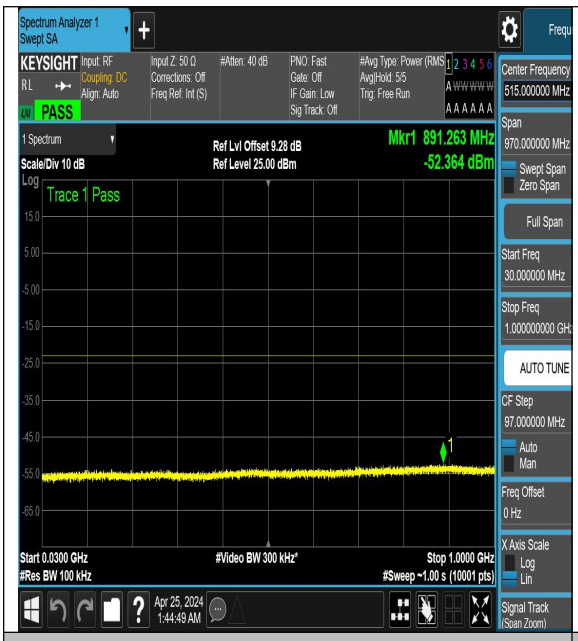


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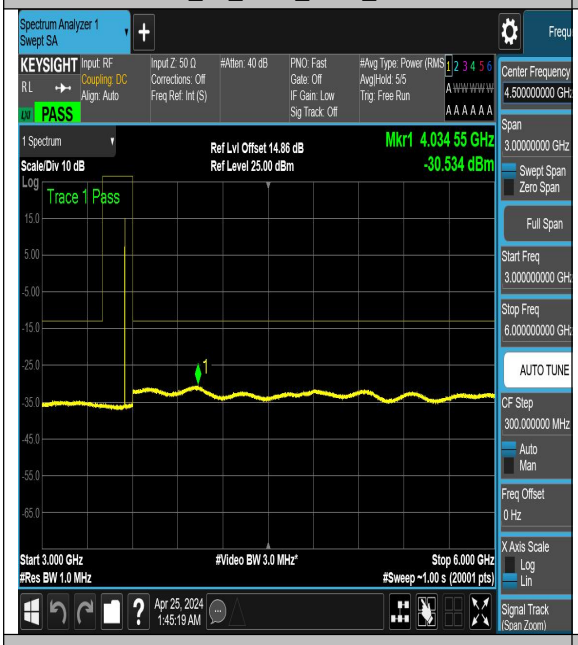
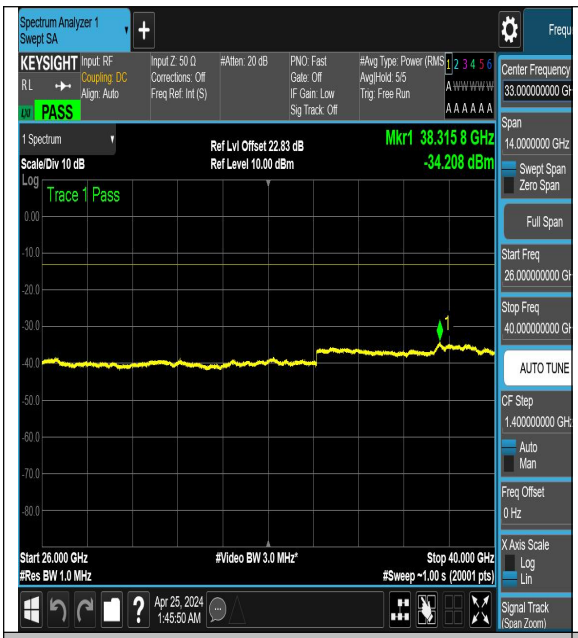
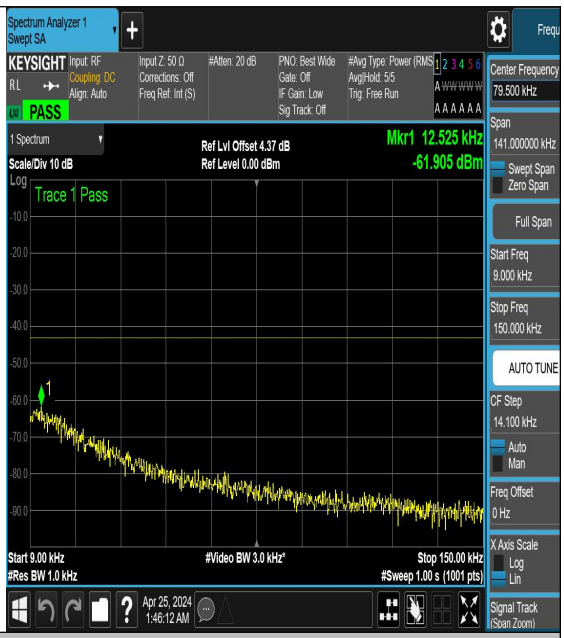



NTNV_N77-3450-3550_PC2_30_100_H_TID17_NS_01_26000_40000_#1

NTNV_N77-3450-3550_PC2_30_100_H_TID21_NS_01_0.009_0.15_#1




NTNV_N77-3450-3550_PC2_30_100_H_TID21_NS_01_0.15_30_#1

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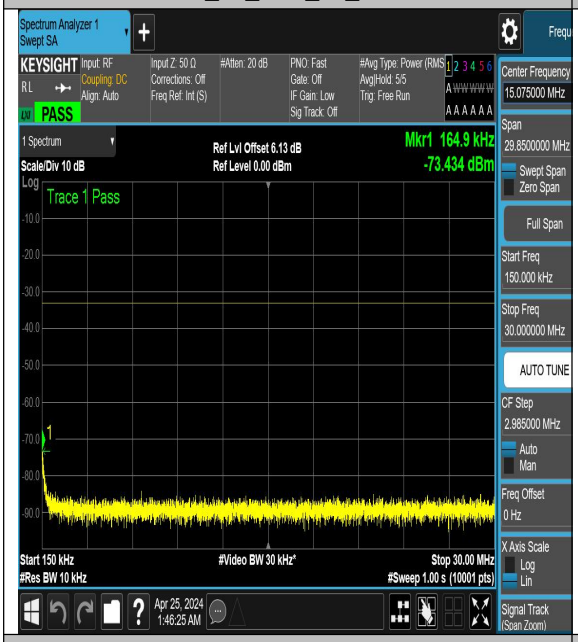


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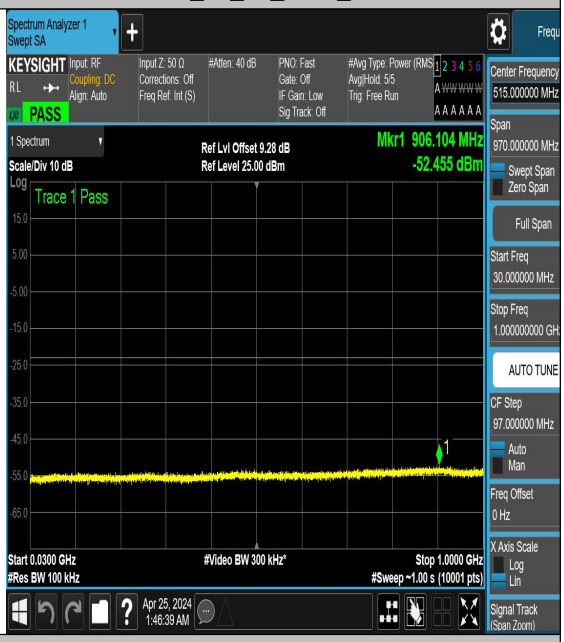
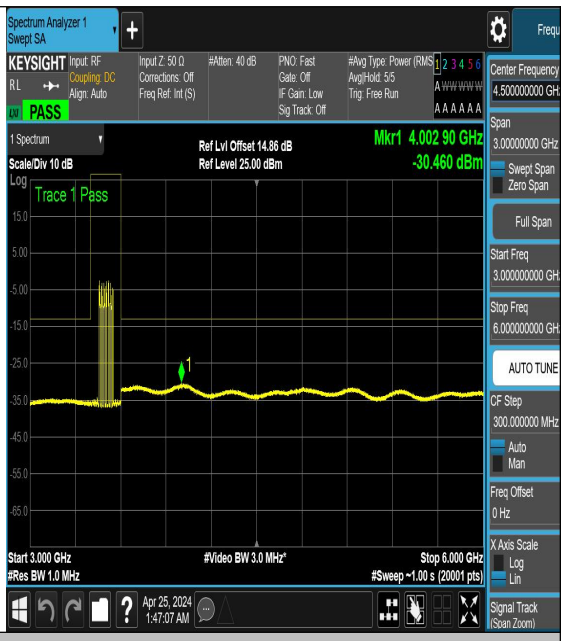



NTNV_N77-3450-3550_PC2_30_100_H_TID21_NS_01_3000_6000_#1

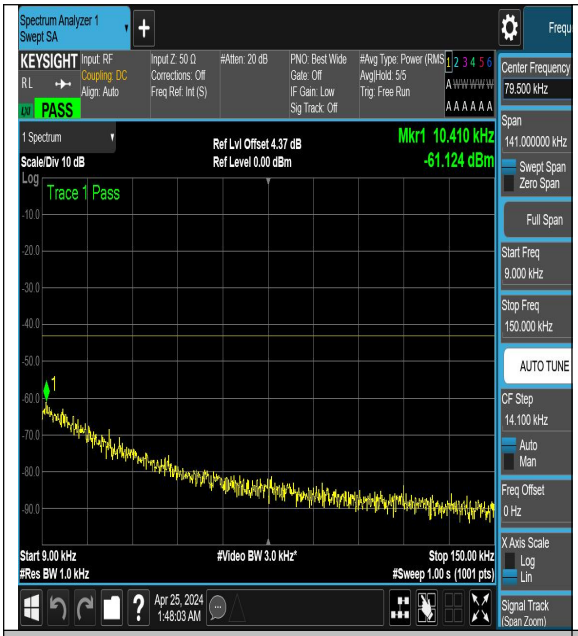
NTNV_N77-3450-3550_PC2_30_100_H_TID21_NS_01_6000_26000_#1




NTNV_N77-3450-3550_PC2_30_100_H_TID21_NS_01_26000_40000_#1

NTNV_N77-3450-3550_PC2_30_100_H_TID19_NS_01_0.009_0.15_#1

NTNV_N77-3450-3550_PC2_30_100_H_TID19_NS_01_0.15_30_#1

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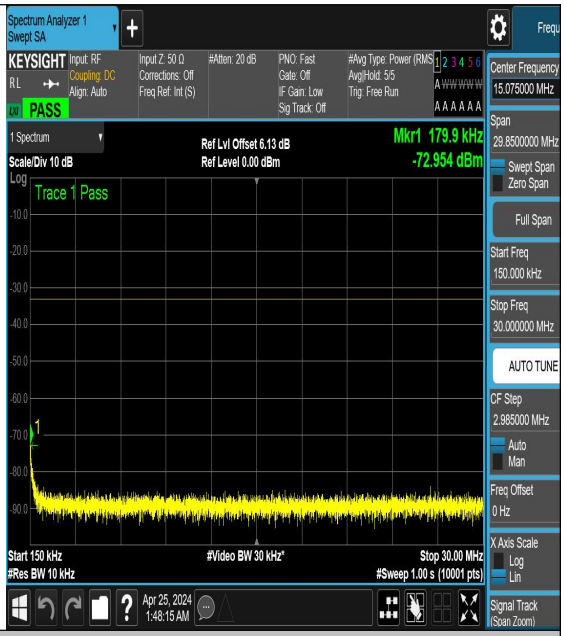


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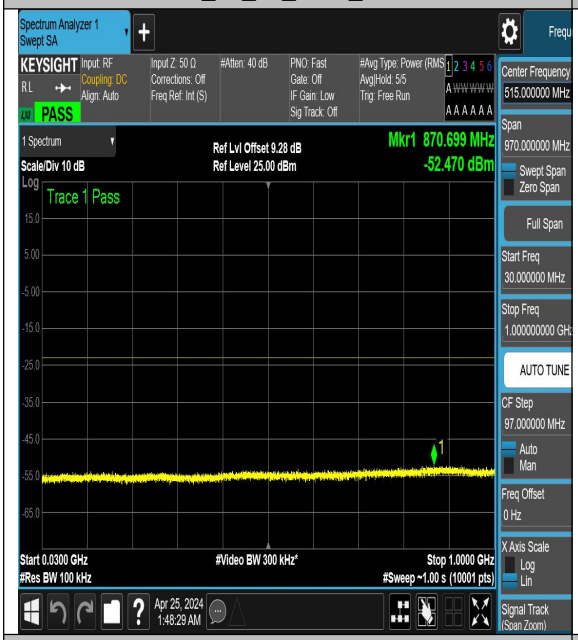
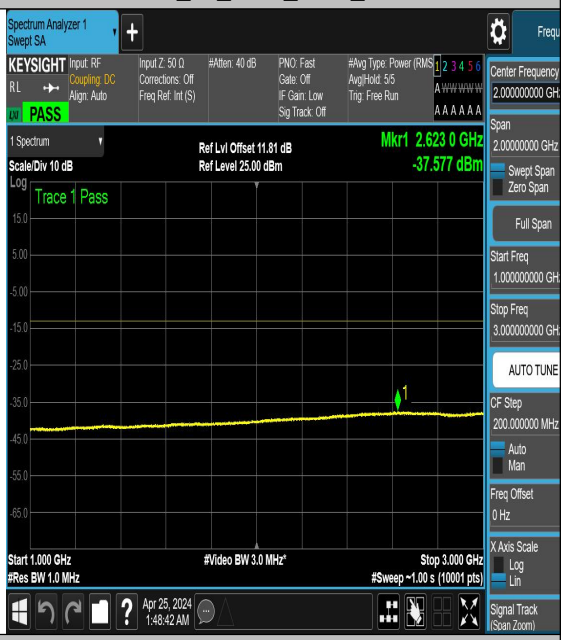
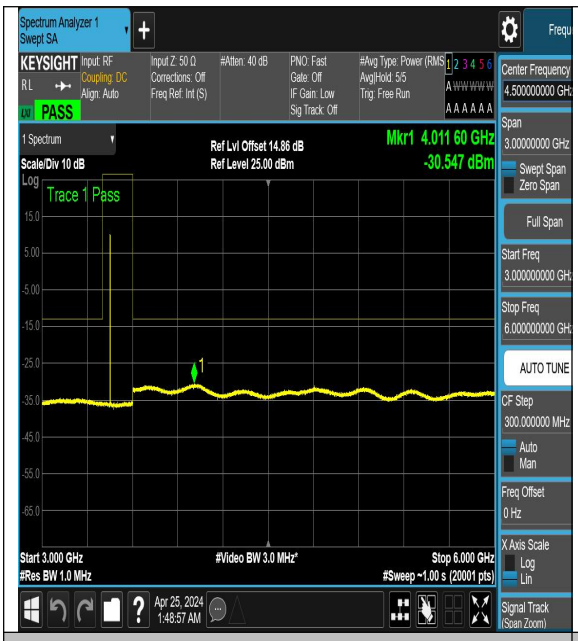



NTNV_N77-3450-3550_PC2_30_100_H_TID19_NS_01_3000_6000_#1



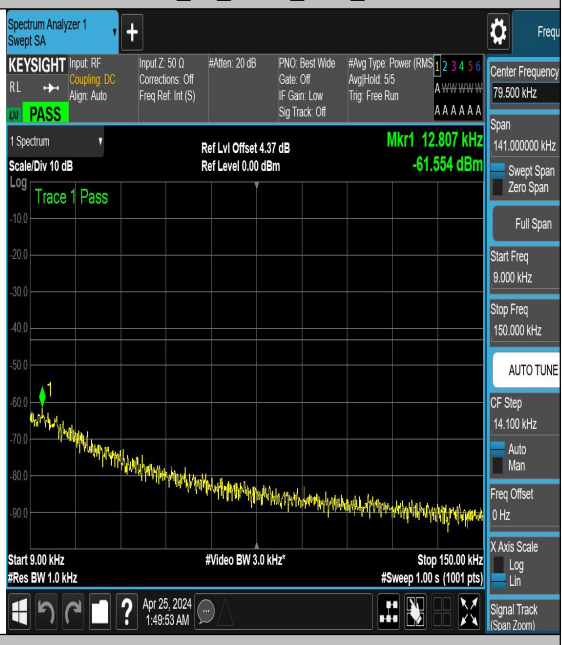

NTNV_N77-3450-3550_PC2_30_100_H_TID19_NS_01_6000_26000_#1




NTNV_N77-3450-3550_PC2_30_100_H_TID19_NS_01_26000_40000_#1

NTNV_N77-3450-3550_PC2_30_100_H_TID20_NS_01_0.009_0.15_#1

NTNV_N77-3450-3550_PC2_30_100_H_TID20_NS_01_0.15_30_#1

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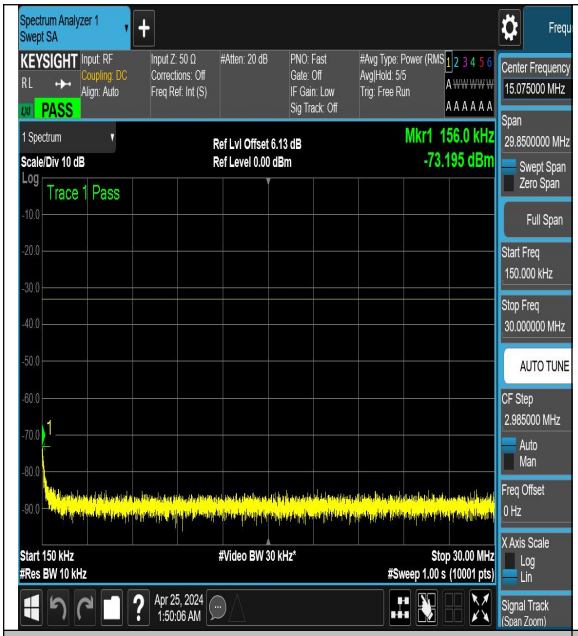


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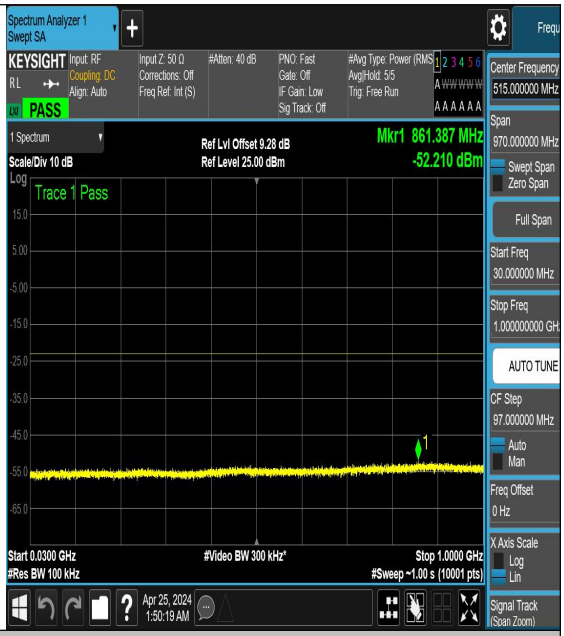
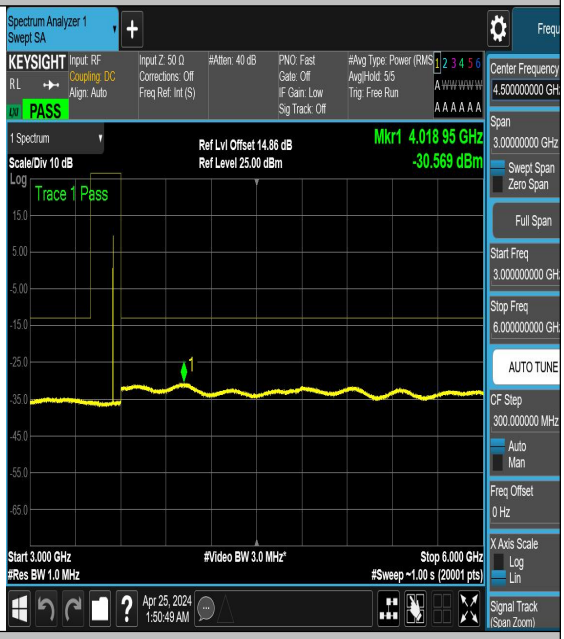
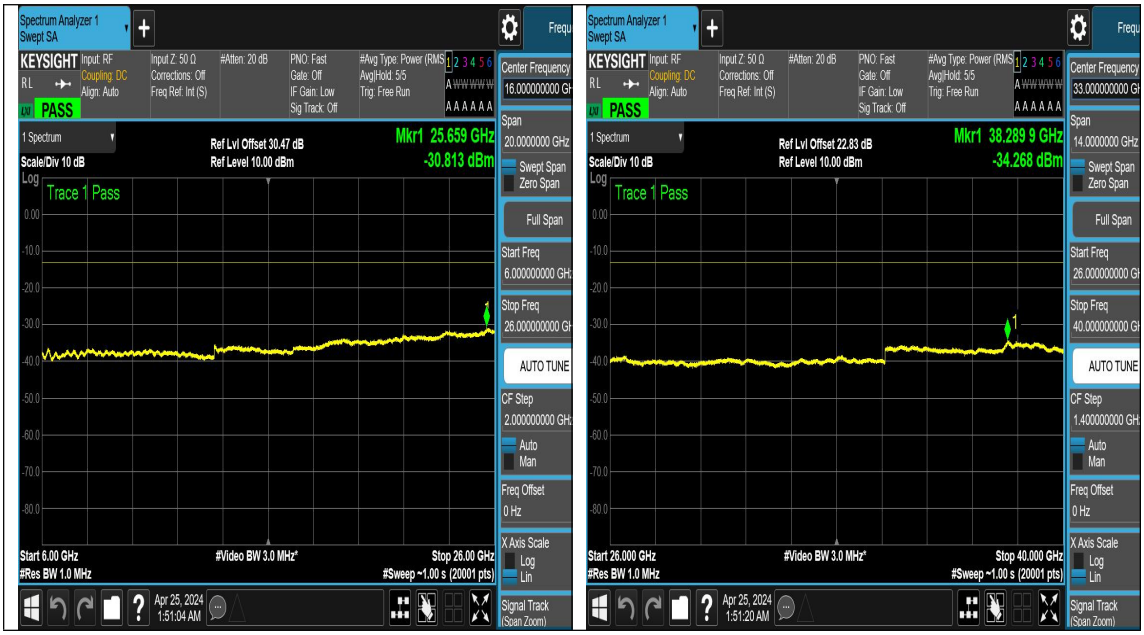



NTNV_N77-3450-3550_PC2_30_100_H_TID20_NS_01_3000_6000_#1

NTNV_N77-3450-3550_PC2_30_100_H_TID20_NS_01_6000_26000_#1




NTNV_N77-3450-3550_PC2_30_100_H_TID20_NS_01_26000_40000_#1


Spectrum Analyzer 1
Swept SA
KEYSIGHT
PASS
Ref Lvl Offset 30.47 dB
Ref Level 10.00 dBm
Mkr1 25.659 GHz
-30.813 dBm
Trace 1 Pass
Start 6.00 GHz
#Res BW 1.0 MHz
#Video BW 3.0 MHz*
Stop 26.00 GHz
#Sweep ~1.00 s (20001 pts)
Apr 25, 2024
1:51:04 AM
Ref Lvl Offset 22.83 dB
Ref Level 10.00 dBm
Mkr1 38.289 9 GHz
-34.268 dBm
Start 26.000 GHz
#Res BW 1.0 MHz
#Video BW 3.0 MHz*
Stop 40.000 GHz
#Sweep ~1.00 s (20001 pts)
Apr 25, 2024
1:51:20 AM

# Appendix F: Frequency Stability for SA

## Test Result

### Frequency Error VS. Voltage

| Voltage | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|
| Band | SCS | Bandwidth | Modulation | Channel | RB Config | Voltage | Temperature | Deviation(Hz) | Deviation (ppm) | Verdict |
| N77-3450-3550 | 30 | 10 | CP-QPSK | L | Outer_Full | VL | NT | -6.80 | 0.00 | PASS |
| N77-3450-3550 | 30 | 10 | CP-QPSK | L | Outer_Full | VN | NT | -4.23 | 0.00 | PASS |
| N77-3450-3550 | 30 | 10 | CP-QPSK | L | Outer_Full | VH | NT | -4.22 | 0.00 | PASS |
| N77-3450-3550 | 30 | 10 | CP-16QAM | L | Outer_Full | VL | NT | -3.56 | 0.00 | PASS |
| N77-3450-3550 | 30 | 10 | CP-16QAM | L | Outer_Full | VN | NT | -4.09 | 0.00 | PASS |
| N77-3450-3550 | 30 | 10 | CP-16QAM | L | Outer_Full | VH | NT | -0.31 | 0.00 | PASS |
| N77-3450-3550 | 30 | 10 | CP-QPSK | M | Outer_Full | VL | NT | -2.69 | 0.00 | PASS |
| N77-3450-3550 | 30 | 10 | CP-QPSK | M | Outer_Full | VN | NT | -2.77 | 0.00 | PASS |
| N77-3450-3550 | 30 | 10 | CP-QPSK | M | Outer_Full | VH | NT | -5.37 | 0.00 | PASS |
| N77-3450-3550 | 30 | 10 | CP-16QAM | M | Outer_Full | VL | NT | -1.69 | 0.00 | PASS |
| N77-3450-3550 | 30 | 10 | CP-16QAM | M | Outer_Full | VN | NT | -6.66 | 0.00 | PASS |
| N77-3450-3550 | 30 | 10 | CP-16QAM | M | Outer_Full | VH | NT | -4.93 | 0.00 | PASS |
| N77-3450-3550 | 30 | 10 | CP-QPSK | H | Outer_Full | VL | NT | -4.92 | 0.00 | PASS |
| N77-3450-3550 | 30 | 10 | CP-QPSK | H | Outer_Full | VN | NT | -2.14 | 0.00 | PASS |
| N77-3450-3550 | 30 | 10 | CP-QPSK | H | Outer_Full | VH | NT | -7.07 | 0.00 | PASS |
| N77-3450-3550 | 30 | 10 | CP-16QAM | H | Outer_Full | VL | NT | -4.29 | 0.00 | PASS |
| N77-345 | 30 | 10 | CP-16QAM | H | Outer_Full | VN | NT | -3.05 | 0.00 | PASS |

| | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|
| 0-3550 | | | | | | | | | | |
| N77-345 0-3550 | 30 | 10 | CP-16QAM | H | Outer_Full | VH | NT | -4.15 | 0.00 | PASS |
| N77-345 0-3550 | 30 | 15 | CP-QPSK | L | Outer_Full | VL | NT | -2.79 | 0.00 | PASS |
| N77-345 0-3550 | 30 | 15 | CP-QPSK | L | Outer_Full | VN | NT | -3.60 | 0.00 | PASS |
| N77-345 0-3550 | 30 | 15 | CP-QPSK | L | Outer_Full | VH | NT | -4.93 | 0.00 | PASS |
| N77-345 0-3550 | 30 | 15 | CP-16QAM | L | Outer_Full | VL | NT | -2.73 | 0.00 | PASS |
| N77-345 0-3550 | 30 | 15 | CP-16QAM | L | Outer_Full | VN | NT | -4.35 | 0.00 | PASS |
| N77-345 0-3550 | 30 | 15 | CP-16QAM | L | Outer_Full | VH | NT | -6.64 | 0.00 | PASS |
| N77-345 0-3550 | 30 | 15 | CP-QPSK | M | Outer_Full | VL | NT | -3.33 | 0.00 | PASS |
| N77-345 0-3550 | 30 | 15 | CP-QPSK | M | Outer_Full | VN | NT | -5.22 | 0.00 | PASS |
| N77-345 0-3550 | 30 | 15 | CP-QPSK | M | Outer_Full | VH | NT | -3.91 | 0.00 | PASS |
| N77-345 0-3550 | 30 | 15 | CP-16QAM | M | Outer_Full | VL | NT | -5.90 | 0.00 | PASS |
| N77-345 0-3550 | 30 | 15 | CP-16QAM | M | Outer_Full | VN | NT | -1.50 | 0.00 | PASS |
| N77-345 0-3550 | 30 | 15 | CP-16QAM | M | Outer_Full | VH | NT | -4.24 | 0.00 | PASS |
| N77-345 0-3550 | 30 | 15 | CP-QPSK | H | Outer_Full | VL | NT | 1.50 | 0.00 | PASS |
| N77-345 0-3550 | 30 | 15 | CP-QPSK | H | Outer_Full | VN | NT | -4.41 | 0.00 | PASS |
| N77-345 0-3550 | 30 | 15 | CP-QPSK | H | Outer_Full | VH | NT | -5.31 | 0.00 | PASS |
| N77-345 0-3550 | 30 | 15 | CP-16QAM | H | Outer_Full | VL | NT | -2.00 | 0.00 | PASS |
| N77-345 0-3550 | 30 | 15 | CP-16QAM | H | Outer_Full | VN | NT | -3.58 | 0.00 | PASS |
| N77-345 0-3550 | 30 | 15 | CP-16QAM | H | Outer_Full | VH | NT | -4.08 | 0.00 | PASS |
| N77-345 0-3550 | 30 | 20 | CP-QPSK | L | Outer_Full | VL | NT | -1.41 | 0.00 | PASS |
| N77-345 | 30 | 20 | CP-QPSK | L | Outer_Full | VN | NT | -4.78 | 0.00 | PASS |

| | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|
| 0-3550 | | | | | | | | | | |
| N77-345 0-3550 | 30 | 20 | CP-QPSK | L | Outer_Full | VH | NT | -5.73 | 0.00 | PASS |
| N77-345 0-3550 | 30 | 20 | CP-16QAM | L | Outer_Full | VL | NT | -3.57 | 0.00 | PASS |
| N77-345 0-3550 | 30 | 20 | CP-16QAM | L | Outer_Full | VN | NT | -3.72 | 0.00 | PASS |
| N77-345 0-3550 | 30 | 20 | CP-16QAM | L | Outer_Full | VH | NT | -6.77 | 0.00 | PASS |
| N77-345 0-3550 | 30 | 20 | CP-QPSK | M | Outer_Full | VL | NT | -3.27 | 0.00 | PASS |
| N77-345 0-3550 | 30 | 20 | CP-QPSK | M | Outer_Full | VN | NT | -4.80 | 0.00 | PASS |
| N77-345 0-3550 | 30 | 20 | CP-QPSK | M | Outer_Full | VH | NT | -5.60 | 0.00 | PASS |
| N77-345 0-3550 | 30 | 20 | CP-16QAM | M | Outer_Full | VL | NT | -5.75 | 0.00 | PASS |
| N77-345 0-3550 | 30 | 20 | CP-16QAM | M | Outer_Full | VN | NT | -1.68 | 0.00 | PASS |
| N77-345 0-3550 | 30 | 20 | CP-16QAM | M | Outer_Full | VH | NT | -2.05 | 0.00 | PASS |
| N77-345 0-3550 | 30 | 20 | CP-QPSK | H | Outer_Full | VL | NT | -3.33 | 0.00 | PASS |
| N77-345 0-3550 | 30 | 20 | CP-QPSK | H | Outer_Full | VN | NT | -0.18 | 0.00 | PASS |
| N77-345 0-3550 | 30 | 20 | CP-QPSK | H | Outer_Full | VH | NT | -2.24 | 0.00 | PASS |
| N77-345 0-3550 | 30 | 20 | CP-16QAM | H | Outer_Full | VL | NT | -3.10 | 0.00 | PASS |
| N77-345 0-3550 | 30 | 20 | CP-16QAM | H | Outer_Full | VN | NT | -1.88 | 0.00 | PASS |
| N77-345 0-3550 | 30 | 20 | CP-16QAM | H | Outer_Full | VH | NT | -5.40 | 0.00 | PASS |
| N77-345 0-3550 | 30 | 40 | CP-QPSK | L | Outer_Full | VL | NT | -5.83 | 0.00 | PASS |
| N77-345 0-3550 | 30 | 40 | CP-QPSK | L | Outer_Full | VN | NT | -3.61 | 0.00 | PASS |
| N77-345 0-3550 | 30 | 40 | CP-QPSK | L | Outer_Full | VH | NT | -2.63 | 0.00 | PASS |
| N77-345 0-3550 | 30 | 40 | CP-16QAM | L | Outer_Full | VL | NT | -3.65 | 0.00 | PASS |
| N77-345 | 30 | 40 | CP-16QAM | L | Outer_Full | VN | NT | -3.64 | 0.00 | PASS |

| | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|
| 0-3550 | | | | | | | | | | |
| N77-345 0-3550 | 30 | 40 | CP-16QAM | L | Outer_Full | VH | NT | -3.52 | 0.00 | PASS |
| N77-345 0-3550 | 30 | 40 | CP-QPSK | M | Outer_Full | VL | NT | -3.59 | 0.00 | PASS |
| N77-345 0-3550 | 30 | 40 | CP-QPSK | M | Outer_Full | VN | NT | -5.35 | 0.00 | PASS |
| N77-345 0-3550 | 30 | 40 | CP-QPSK | M | Outer_Full | VH | NT | -3.95 | 0.00 | PASS |
| N77-345 0-3550 | 30 | 40 | CP-16QAM | M | Outer_Full | VL | NT | -5.58 | 0.00 | PASS |
| N77-345 0-3550 | 30 | 40 | CP-16QAM | M | Outer_Full | VN | NT | -4.35 | 0.00 | PASS |
| N77-345 0-3550 | 30 | 40 | CP-16QAM | M | Outer_Full | VH | NT | -4.19 | 0.00 | PASS |
| N77-345 0-3550 | 30 | 40 | CP-QPSK | H | Outer_Full | VL | NT | -4.62 | 0.00 | PASS |
| N77-345 0-3550 | 30 | 40 | CP-QPSK | H | Outer_Full | VN | NT | -3.62 | 0.00 | PASS |
| N77-345 0-3550 | 30 | 40 | CP-QPSK | H | Outer_Full | VH | NT | -4.05 | 0.00 | PASS |
| N77-345 0-3550 | 30 | 40 | CP-16QAM | H | Outer_Full | VL | NT | -3.83 | 0.00 | PASS |
| N77-345 0-3550 | 30 | 40 | CP-16QAM | H | Outer_Full | VN | NT | -6.12 | 0.00 | PASS |
| N77-345 0-3550 | 30 | 40 | CP-16QAM | H | Outer_Full | VH | NT | -5.62 | 0.00 | PASS |
| N77-345 0-3550 | 30 | 50 | CP-QPSK | L | Outer_Full | VL | NT | -1.76 | 0.00 | PASS |
| N77-345 0-3550 | 30 | 50 | CP-QPSK | L | Outer_Full | VN | NT | -3.66 | 0.00 | PASS |
| N77-345 0-3550 | 30 | 50 | CP-QPSK | L | Outer_Full | VH | NT | -5.90 | 0.00 | PASS |
| N77-345 0-3550 | 30 | 50 | CP-16QAM | L | Outer_Full | VL | NT | -3.13 | 0.00 | PASS |
| N77-345 0-3550 | 30 | 50 | CP-16QAM | L | Outer_Full | VN | NT | -4.73 | 0.00 | PASS |
| N77-345 0-3550 | 30 | 50 | CP-16QAM | L | Outer_Full | VH | NT | -6.90 | 0.00 | PASS |
| N77-345 0-3550 | 30 | 50 | CP-QPSK | M | Outer_Full | VL | NT | -4.79 | 0.00 | PASS |
| N77-345 | 30 | 50 | CP-QPSK | M | Outer_Full | VN | NT | -6.43 | 0.00 | PASS |

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| 0-3550 | | | | | | | | | | |
| N77-345 0-3550 | 30 | 50 | CP-QPSK | M | Outer_Full | VH | NT | -4.68 | 0.00 | PASS |
| N77-345 0-3550 | 30 | 50 | CP-16QAM | M | Outer_Full | VL | NT | -3.93 | 0.00 | PASS |
| N77-345 0-3550 | 30 | 50 | CP-16QAM | M | Outer_Full | VN | NT | -6.97 | 0.00 | PASS |
| N77-345 0-3550 | 30 | 50 | CP-16QAM | M | Outer_Full | VH | NT | -3.57 | 0.00 | PASS |
| N77-345 0-3550 | 30 | 50 | CP-QPSK | H | Outer_Full | VL | NT | -6.50 | 0.00 | PASS |
| N77-345 0-3550 | 30 | 50 | CP-QPSK | H | Outer_Full | VN | NT | -4.62 | 0.00 | PASS |
| N77-345 0-3550 | 30 | 50 | CP-QPSK | H | Outer_Full | VH | NT | -5.50 | 0.00 | PASS |
| N77-345 0-3550 | 30 | 50 | CP-16QAM | H | Outer_Full | VL | NT | -2.96 | 0.00 | PASS |
| N77-345 0-3550 | 30 | 50 | CP-16QAM | H | Outer_Full | VN | NT | -4.83 | 0.00 | PASS |
| N77-345 0-3550 | 30 | 50 | CP-16QAM | H | Outer_Full | VH | NT | -2.96 | 0.00 | PASS |
| N77-345 0-3550 | 30 | 60 | CP-QPSK | L | Outer_Full | VL | NT | -2.67 | 0.00 | PASS |
| N77-345 0-3550 | 30 | 60 | CP-QPSK | L | Outer_Full | VN | NT | -3.66 | 0.00 | PASS |
| N77-345 0-3550 | 30 | 60 | CP-QPSK | L | Outer_Full | VH | NT | -1.30 | 0.00 | PASS |
| N77-345 0-3550 | 30 | 60 | CP-16QAM | L | Outer_Full | VL | NT | -4.53 | 0.00 | PASS |
| N77-345 0-3550 | 30 | 60 | CP-16QAM | L | Outer_Full | VN | NT | -3.60 | 0.00 | PASS |
| N77-345 0-3550 | 30 | 60 | CP-16QAM | L | Outer_Full | VH | NT | -2.92 | 0.00 | PASS |
| N77-345 0-3550 | 30 | 60 | CP-QPSK | M | Outer_Full | VL | NT | -3.05 | 0.00 | PASS |
| N77-345 0-3550 | 30 | 60 | CP-QPSK | M | Outer_Full | VN | NT | -3.88 | 0.00 | PASS |
| N77-345 0-3550 | 30 | 60 | CP-QPSK | M | Outer_Full | VH | NT | -5.40 | 0.00 | PASS |
| N77-345 0-3550 | 30 | 60 | CP-16QAM | M | Outer_Full | VL | NT | -3.78 | 0.00 | PASS |
| N77-345 | 30 | 60 | CP-16QAM | M | Outer_Full | VN | NT | -2.22 | 0.00 | PASS |

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| 0-3550 | | | | | | | | | | |
| N77-345 0-3550 | 30 | 60 | CP-16QAM | M | Outer_Full | VH | NT | -3.43 | 0.00 | PASS |
| N77-345 0-3550 | 30 | 60 | CP-QPSK | H | Outer_Full | VL | NT | -4.48 | 0.00 | PASS |
| N77-345 0-3550 | 30 | 60 | CP-QPSK | H | Outer_Full | VN | NT | -3.18 | 0.00 | PASS |
| N77-345 0-3550 | 30 | 60 | CP-QPSK | H | Outer_Full | VH | NT | -2.95 | 0.00 | PASS |
| N77-345 0-3550 | 30 | 60 | CP-16QAM | H | Outer_Full | VL | NT | -4.33 | 0.00 | PASS |
| N77-345 0-3550 | 30 | 60 | CP-16QAM | H | Outer_Full | VN | NT | -2.99 | 0.00 | PASS |
| N77-345 0-3550 | 30 | 60 | CP-16QAM | H | Outer_Full | VH | NT | -3.97 | 0.00 | PASS |
| N77-345 0-3550 | 30 | 80 | CP-QPSK | L | Outer_Full | VL | NT | -4.05 | 0.00 | PASS |
| N77-345 0-3550 | 30 | 80 | CP-QPSK | L | Outer_Full | VN | NT | -2.44 | 0.00 | PASS |
| N77-345 0-3550 | 30 | 80 | CP-QPSK | L | Outer_Full | VH | NT | -4.91 | 0.00 | PASS |
| N77-345 0-3550 | 30 | 80 | CP-16QAM | L | Outer_Full | VL | NT | -1.39 | 0.00 | PASS |
| N77-345 0-3550 | 30 | 80 | CP-16QAM | L | Outer_Full | VN | NT | -3.28 | 0.00 | PASS |
| N77-345 0-3550 | 30 | 80 | CP-16QAM | L | Outer_Full | VH | NT | -5.45 | 0.00 | PASS |
| N77-345 0-3550 | 30 | 80 | CP-QPSK | M | Outer_Full | VL | NT | -0.35 | 0.00 | PASS |
| N77-345 0-3550 | 30 | 80 | CP-QPSK | M | Outer_Full | VN | NT | -4.45 | 0.00 | PASS |
| N77-345 0-3550 | 30 | 80 | CP-QPSK | M | Outer_Full | VH | NT | -2.43 | 0.00 | PASS |
| N77-345 0-3550 | 30 | 80 | CP-16QAM | M | Outer_Full | VL | NT | -6.74 | 0.00 | PASS |
| N77-345 0-3550 | 30 | 80 | CP-16QAM | M | Outer_Full | VN | NT | -4.05 | 0.00 | PASS |
| N77-345 0-3550 | 30 | 80 | CP-16QAM | M | Outer_Full | VH | NT | -2.80 | 0.00 | PASS |
| N77-345 0-3550 | 30 | 80 | CP-QPSK | H | Outer_Full | VL | NT | -5.05 | 0.00 | PASS |
| N77-345 | 30 | 80 | CP-QPSK | H | Outer_Full | VN | NT | -5.85 | 0.00 | PASS |

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| 0-3550 | | | | | | | | | | |
| N77-345 0-3550 | 30 | 80 | CP-QPSK | H | Outer_Full | VH | NT | -8.87 | 0.00 | PASS |
| N77-345 0-3550 | 30 | 80 | CP-16QAM | H | Outer_Full | VL | NT | -4.07 | 0.00 | PASS |
| N77-345 0-3550 | 30 | 80 | CP-16QAM | H | Outer_Full | VN | NT | -0.85 | 0.00 | PASS |
| N77-345 0-3550 | 30 | 80 | CP-16QAM | H | Outer_Full | VH | NT | -8.53 | 0.00 | PASS |
| N77-345 0-3550 | 30 | 90 | CP-QPSK | L | Outer_Full | VL | NT | -5.62 | 0.00 | PASS |
| N77-345 0-3550 | 30 | 90 | CP-QPSK | L | Outer_Full | VN | NT | -3.45 | 0.00 | PASS |
| N77-345 0-3550 | 30 | 90 | CP-QPSK | L | Outer_Full | VH | NT | -5.20 | 0.00 | PASS |
| N77-345 0-3550 | 30 | 90 | CP-16QAM | L | Outer_Full | VL | NT | -1.95 | 0.00 | PASS |
| N77-345 0-3550 | 30 | 90 | CP-16QAM | L | Outer_Full | VN | NT | -2.21 | 0.00 | PASS |
| N77-345 0-3550 | 30 | 90 | CP-16QAM | L | Outer_Full | VH | NT | -1.65 | 0.00 | PASS |
| N77-345 0-3550 | 30 | 90 | CP-QPSK | M | Outer_Full | VL | NT | -5.95 | 0.00 | PASS |
| N77-345 0-3550 | 30 | 90 | CP-QPSK | M | Outer_Full | VN | NT | -2.96 | 0.00 | PASS |
| N77-345 0-3550 | 30 | 90 | CP-QPSK | M | Outer_Full | VH | NT | -3.66 | 0.00 | PASS |
| N77-345 0-3550 | 30 | 90 | CP-16QAM | M | Outer_Full | VL | NT | -3.58 | 0.00 | PASS |
| N77-345 0-3550 | 30 | 90 | CP-16QAM | M | Outer_Full | VN | NT | -4.00 | 0.00 | PASS |
| N77-345 0-3550 | 30 | 90 | CP-16QAM | M | Outer_Full | VH | NT | -3.27 | 0.00 | PASS |
| N77-345 0-3550 | 30 | 90 | CP-QPSK | H | Outer_Full | VL | NT | -4.24 | 0.00 | PASS |
| N77-345 0-3550 | 30 | 90 | CP-QPSK | H | Outer_Full | VN | NT | -3.69 | 0.00 | PASS |
| N77-345 0-3550 | 30 | 90 | CP-QPSK | H | Outer_Full | VH | NT | -3.31 | 0.00 | PASS |
| N77-345 0-3550 | 30 | 90 | CP-16QAM | H | Outer_Full | VL | NT | -4.89 | 0.00 | PASS |
| N77-345 | 30 | 90 | CP-16QAM | H | Outer_Full | VN | NT | -3.34 | 0.00 | PASS |

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| 0-3550 | | | | | | | | | | |
| N77-345 0-3550 | 30 | 90 | CP-16QAM | H | Outer_Full | VH | NT | -3.71 | 0.00 | PASS |
| N77-345 0-3550 | 30 | 100 | CP-QPSK | L | Outer_Full | VL | NT | -1.72 | 0.00 | PASS |
| N77-345 0-3550 | 30 | 100 | CP-QPSK | L | Outer_Full | VN | NT | -6.32 | 0.00 | PASS |
| N77-345 0-3550 | 30 | 100 | CP-QPSK | L | Outer_Full | VH | NT | -5.14 | 0.00 | PASS |
| N77-345 0-3550 | 30 | 100 | CP-16QAM | L | Outer_Full | VL | NT | -5.27 | 0.00 | PASS |
| N77-345 0-3550 | 30 | 100 | CP-16QAM | L | Outer_Full | VN | NT | -3.89 | 0.00 | PASS |
| N77-345 0-3550 | 30 | 100 | CP-16QAM | L | Outer_Full | VH | NT | -3.64 | 0.00 | PASS |
| N77-345 0-3550 | 30 | 100 | CP-QPSK | M | Outer_Full | VL | NT | -9.31 | 0.00 | PASS |
| N77-345 0-3550 | 30 | 100 | CP-QPSK | M | Outer_Full | VN | NT | -3.18 | 0.00 | PASS |
| N77-345 0-3550 | 30 | 100 | CP-QPSK | M | Outer_Full | VH | NT | -6.68 | 0.00 | PASS |
| N77-345 0-3550 | 30 | 100 | CP-16QAM | M | Outer_Full | VL | NT | -5.04 | 0.00 | PASS |
| N77-345 0-3550 | 30 | 100 | CP-16QAM | M | Outer_Full | VN | NT | -5.60 | 0.00 | PASS |
| N77-345 0-3550 | 30 | 100 | CP-16QAM | M | Outer_Full | VH | NT | -6.92 | 0.00 | PASS |
| N77-345 0-3550 | 30 | 100 | CP-QPSK | H | Outer_Full | VL | NT | -5.01 | 0.00 | PASS |
| N77-345 0-3550 | 30 | 100 | CP-QPSK | H | Outer_Full | VN | NT | -3.92 | 0.00 | PASS |
| N77-345 0-3550 | 30 | 100 | CP-QPSK | H | Outer_Full | VH | NT | -6.57 | 0.00 | PASS |
| N77-345 0-3550 | 30 | 100 | CP-16QAM | H | Outer_Full | VL | NT | -4.31 | 0.00 | PASS |
| N77-345 0-3550 | 30 | 100 | CP-16QAM | H | Outer_Full | VN | NT | -2.68 | 0.00 | PASS |
| N77-345 0-3550 | 30 | 100 | CP-16QAM | H | Outer_Full | VH | NT | -3.17 | 0.00 | PASS |

**Frequency Error VS. Temperature**

| Voltage | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|
| Band | SCS | Bandwidth | Modulation | Channel | RB Config | Voltage | Temperature | Deviation(Hz) | Deviation (ppm) | Verdict |
| N77-3450-3550 | 30 | 10 | CP-QPSK | L | Outer_Full | NV | -30 | -1.375396 | -0.000398 | PASS |
| N77-3450-3550 | 30 | 10 | CP-QPSK | L | Outer_Full | NV | -20 | -1.274448 | -0.000369 | PASS |
| N77-3450-3550 | 30 | 10 | CP-QPSK | L | Outer_Full | NV | -10 | -4.957029 | -0.001435 | PASS |
| N77-3450-3550 | 30 | 10 | CP-QPSK | L | Outer_Full | NV | 0 | -4.084970 | -0.001182 | PASS |
| N77-3450-3550 | 30 | 10 | CP-QPSK | L | Outer_Full | NV | 10 | -5.427672 | -0.001571 | PASS |
| N77-3450-3550 | 30 | 10 | CP-QPSK | L | Outer_Full | NV | 20 | -5.349561 | -0.001548 | PASS |
| N77-3450-3550 | 30 | 10 | CP-QPSK | L | Outer_Full | NV | 30 | -5.754242 | -0.001665 | PASS |
| N77-3450-3550 | 30 | 10 | CP-QPSK | L | Outer_Full | NV | 40 | -2.887891 | -0.000836 | PASS |
| N77-3450-3550 | 30 | 10 | CP-QPSK | L | Outer_Full | NV | 50 | -6.483077 | -0.001876 | PASS |
| N77-3450-3550 | 30 | 10 | CP-16QAM | L | Outer_Full | NV | -30 | -4.927941 | -0.001426 | PASS |
| N77-3450-3550 | 30 | 10 | CP-16QAM | L | Outer_Full | NV | -20 | -2.746005 | -0.000795 | PASS |
| N77-3450-3550 | 30 | 10 | CP-16QAM | L | Outer_Full | NV | -10 | -3.072527 | -0.000889 | PASS |
| N77-3450-3550 | 30 | 10 | CP-16QAM | L | Outer_Full | NV | 0 | -6.103580 | -0.001767 | PASS |
| N77-3450-3550 | 30 | 10 | CP-16QAM | L | Outer_Full | NV | 10 | -3.524671 | -0.001020 | PASS |
| N77-3450-3550 | 30 | 10 | CP-16QAM | L | Outer_Full | NV | 20 | -7.126833 | -0.002063 | PASS |
| N77-3450-3550 | 30 | 10 | CP-16QAM | L | Outer_Full | NV | 30 | -3.497581 | -0.001012 | PASS |
| N77-3450-3550 | 30 | 10 | CP-16QAM | L | Outer_Full | NV | 40 | -2.925265 | -0.000847 | PASS |
| N77-3450-3550 | 30 | 10 | CP-16QAM | L | Outer_Full | NV | 50 | -5.396170 | -0.001562 | PASS |
| N77-3450-3550 | 30 | 10 | CP-QPSK | M | Outer_Full | NV | -30 | -4.289177 | -0.001225 | PASS |
| N77-345 | 30 | 10 | CP-QPSK | M | Outer_Full | NV | -20 | -3.910399 | -0.001117 | PASS |

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| 0-3550 | | | | | | | | | | |
| N77-345 0-3550 | 30 | 10 | CP-QPSK | M | Outer_Full | NV | -10 | -3.323274 | -0.000950 | PASS |
| N77-345 0-3550 | 30 | 10 | CP-QPSK | M | Outer_Full | NV | 0 | -5.864197 | -0.001675 | PASS |
| N77-345 0-3550 | 30 | 10 | CP-QPSK | M | Outer_Full | NV | 10 | -1.742721 | -0.000498 | PASS |
| N77-345 0-3550 | 30 | 10 | CP-QPSK | M | Outer_Full | NV | 20 | -5.083186 | -0.001452 | PASS |
| N77-345 0-3550 | 30 | 10 | CP-QPSK | M | Outer_Full | NV | 30 | -4.892307 | -0.001398 | PASS |
| N77-345 0-3550 | 30 | 10 | CP-QPSK | M | Outer_Full | NV | 40 | -5.376158 | -0.001536 | PASS |
| N77-345 0-3550 | 30 | 10 | CP-QPSK | M | Outer_Full | NV | 50 | -7.335059 | -0.002096 | PASS |
| N77-345 0-3550 | 30 | 10 | CP-16QAM | M | Outer_Full | NV | -30 | -4.274302 | -0.001221 | PASS |
| N77-345 0-3550 | 30 | 10 | CP-16QAM | M | Outer_Full | NV | -20 | -2.966834 | -0.000848 | PASS |
| N77-345 0-3550 | 30 | 10 | CP-16QAM | M | Outer_Full | NV | -10 | -3.253340 | -0.000930 | PASS |
| N77-345 0-3550 | 30 | 10 | CP-16QAM | M | Outer_Full | NV | 0 | -5.262494 | -0.001504 | PASS |
| N77-345 0-3550 | 30 | 10 | CP-16QAM | M | Outer_Full | NV | 10 | -6.084637 | -0.001738 | PASS |
| N77-345 0-3550 | 30 | 10 | CP-16QAM | M | Outer_Full | NV | 20 | -4.291307 | -0.001226 | PASS |
| N77-345 0-3550 | 30 | 10 | CP-16QAM | M | Outer_Full | NV | 30 | -6.930699 | -0.001980 | PASS |
| N77-345 0-3550 | 30 | 10 | CP-16QAM | M | Outer_Full | NV | 40 | -2.935399 | -0.000839 | PASS |
| N77-345 0-3550 | 30 | 10 | CP-16QAM | M | Outer_Full | NV | 50 | -3.058275 | -0.000874 | PASS |
| N77-345 0-3550 | 30 | 10 | CP-QPSK | H | Outer_Full | NV | -30 | -3.672471 | -0.001036 | PASS |
| N77-345 0-3550 | 30 | 10 | CP-QPSK | H | Outer_Full | NV | -20 | -4.932289 | -0.001391 | PASS |
| N77-345 0-3550 | 30 | 10 | CP-QPSK | H | Outer_Full | NV | -10 | -2.039106 | -0.000575 | PASS |
| N77-345 0-3550 | 30 | 10 | CP-QPSK | H | Outer_Full | NV | 0 | -4.787330 | -0.001350 | PASS |
| N77-345 | 30 | 10 | CP-QPSK | H | Outer_Full | NV | 10 | -4.371819 | -0.001233 | PASS |

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| 0-3550 | | | | | | | | | | |
| N77-345 0-3550 | 30 | 10 | CP-QPSK | H | Outer_Full | NV | 20 | -4.763422 | -0.001344 | PASS |
| N77-345 0-3550 | 30 | 10 | CP-QPSK | H | Outer_Full | NV | 30 | -5.877851 | -0.001658 | PASS |
| N77-345 0-3550 | 30 | 10 | CP-QPSK | H | Outer_Full | NV | 40 | 0.898429 | 0.000253 | PASS |
| N77-345 0-3550 | 30 | 10 | CP-QPSK | H | Outer_Full | NV | 50 | -2.209019 | -0.000623 | PASS |
| N77-345 0-3550 | 30 | 10 | CP-16QAM | H | Outer_Full | NV | -30 | -2.052629 | -0.000579 | PASS |
| N77-345 0-3550 | 30 | 10 | CP-16QAM | H | Outer_Full | NV | -20 | -1.745004 | -0.000492 | PASS |
| N77-345 0-3550 | 30 | 10 | CP-16QAM | H | Outer_Full | NV | -10 | -6.714951 | -0.001894 | PASS |
| N77-345 0-3550 | 30 | 10 | CP-16QAM | H | Outer_Full | NV | 0 | -3.152872 | -0.000889 | PASS |
| N77-345 0-3550 | 30 | 10 | CP-16QAM | H | Outer_Full | NV | 10 | -3.995578 | -0.001127 | PASS |
| N77-345 0-3550 | 30 | 10 | CP-16QAM | H | Outer_Full | NV | 20 | -3.711951 | -0.001047 | PASS |
| N77-345 0-3550 | 30 | 10 | CP-16QAM | H | Outer_Full | NV | 30 | -5.368870 | -0.001514 | PASS |
| N77-345 0-3550 | 30 | 10 | CP-16QAM | H | Outer_Full | NV | 40 | -2.796510 | -0.000789 | PASS |
| N77-345 0-3550 | 30 | 10 | CP-16QAM | H | Outer_Full | NV | 50 | -5.099794 | -0.001439 | PASS |
| N77-345 0-3550 | 30 | 15 | CP-QPSK | L | Outer_Full | NV | -30 | -6.352709 | -0.001837 | PASS |
| N77-345 0-3550 | 30 | 15 | CP-QPSK | L | Outer_Full | NV | -20 | -3.380843 | -0.000978 | PASS |
| N77-345 0-3550 | 30 | 15 | CP-QPSK | L | Outer_Full | NV | -10 | -3.503799 | -0.001013 | PASS |
| N77-345 0-3550 | 30 | 15 | CP-QPSK | L | Outer_Full | NV | 0 | -2.146022 | -0.000621 | PASS |
| N77-345 0-3550 | 30 | 15 | CP-QPSK | L | Outer_Full | NV | 10 | -4.051007 | -0.001172 | PASS |
| N77-345 0-3550 | 30 | 15 | CP-QPSK | L | Outer_Full | NV | 20 | -6.425204 | -0.001858 | PASS |
| N77-345 0-3550 | 30 | 15 | CP-QPSK | L | Outer_Full | NV | 30 | -2.267856 | -0.000656 | PASS |
| N77-345 | 30 | 15 | CP-QPSK | L | Outer_Full | NV | 40 | -5.134096 | -0.001485 | PASS |

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| 0-3550 | | | | | | | | | | |
| N77-345 0-3550 | 30 | 15 | CP-QPSK | L | Outer_Full | NV | 50 | -3.432049 | -0.000993 | PASS |
| N77-345 0-3550 | 30 | 15 | CP-16QAM | L | Outer_Full | NV | -30 | -4.175685 | -0.001208 | PASS |
| N77-345 0-3550 | 30 | 15 | CP-16QAM | L | Outer_Full | NV | -20 | -3.968631 | -0.001148 | PASS |
| N77-345 0-3550 | 30 | 15 | CP-16QAM | L | Outer_Full | NV | -10 | -3.108159 | -0.000899 | PASS |
| N77-345 0-3550 | 30 | 15 | CP-16QAM | L | Outer_Full | NV | 0 | -5.406320 | -0.001564 | PASS |
| N77-345 0-3550 | 30 | 15 | CP-16QAM | L | Outer_Full | NV | 10 | -2.713188 | -0.000785 | PASS |
| N77-345 0-3550 | 30 | 15 | CP-16QAM | L | Outer_Full | NV | 20 | -3.648255 | -0.001055 | PASS |
| N77-345 0-3550 | 30 | 15 | CP-16QAM | L | Outer_Full | NV | 30 | -6.759352 | -0.001955 | PASS |
| N77-345 0-3550 | 30 | 15 | CP-16QAM | L | Outer_Full | NV | 40 | -4.482416 | -0.001296 | PASS |
| N77-345 0-3550 | 30 | 15 | CP-16QAM | L | Outer_Full | NV | 50 | -3.712576 | -0.001074 | PASS |
| N77-345 0-3550 | 30 | 15 | CP-QPSK | M | Outer_Full | NV | -30 | -5.970448 | -0.001706 | PASS |
| N77-345 0-3550 | 30 | 15 | CP-QPSK | M | Outer_Full | NV | -20 | -3.348638 | -0.000957 | PASS |
| N77-345 0-3550 | 30 | 15 | CP-QPSK | M | Outer_Full | NV | -10 | -1.348345 | -0.000385 | PASS |
| N77-345 0-3550 | 30 | 15 | CP-QPSK | M | Outer_Full | NV | 0 | -4.742209 | -0.001355 | PASS |
| N77-345 0-3550 | 30 | 15 | CP-QPSK | M | Outer_Full | NV | 10 | -6.435083 | -0.001839 | PASS |
| N77-345 0-3550 | 30 | 15 | CP-QPSK | M | Outer_Full | NV | 20 | -4.626753 | -0.001322 | PASS |
| N77-345 0-3550 | 30 | 15 | CP-QPSK | M | Outer_Full | NV | 30 | -5.702380 | -0.001629 | PASS |
| N77-345 0-3550 | 30 | 15 | CP-QPSK | M | Outer_Full | NV | 40 | -0.942573 | -0.000269 | PASS |
| N77-345 0-3550 | 30 | 15 | CP-QPSK | M | Outer_Full | NV | 50 | -2.125308 | -0.000607 | PASS |
| N77-345 0-3550 | 30 | 15 | CP-16QAM | M | Outer_Full | NV | -30 | -4.892449 | -0.001398 | PASS |
| N77-345 | 30 | 15 | CP-16QAM | M | Outer_Full | NV | -20 | -3.272418 | -0.000935 | PASS |

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| 0-3550 | | | | | | | | | | |
| N77-345 0-3550 | 30 | 15 | CP-16QAM | M | Outer_Full | NV | -10 | -4.947042 | -0.001413 | PASS |
| N77-345 0-3550 | 30 | 15 | CP-16QAM | M | Outer_Full | NV | 0 | -2.921844 | -0.000835 | PASS |
| N77-345 0-3550 | 30 | 15 | CP-16QAM | M | Outer_Full | NV | 10 | -7.851591 | -0.002243 | PASS |
| N77-345 0-3550 | 30 | 15 | CP-16QAM | M | Outer_Full | NV | 20 | -3.618133 | -0.001034 | PASS |
| N77-345 0-3550 | 30 | 15 | CP-16QAM | M | Outer_Full | NV | 30 | -3.124880 | -0.000893 | PASS |
| N77-345 0-3550 | 30 | 15 | CP-16QAM | M | Outer_Full | NV | 40 | -2.840336 | -0.000812 | PASS |
| N77-345 0-3550 | 30 | 15 | CP-16QAM | M | Outer_Full | NV | 50 | -0.665032 | -0.000190 | PASS |
| N77-345 0-3550 | 30 | 15 | CP-QPSK | H | Outer_Full | NV | -30 | -1.421534 | -0.000401 | PASS |
| N77-345 0-3550 | 30 | 15 | CP-QPSK | H | Outer_Full | NV | -20 | -0.205171 | -0.000058 | PASS |
| N77-345 0-3550 | 30 | 15 | CP-QPSK | H | Outer_Full | NV | -10 | -6.033973 | -0.001703 | PASS |
| N77-345 0-3550 | 30 | 15 | CP-QPSK | H | Outer_Full | NV | 0 | -4.710291 | -0.001330 | PASS |
| N77-345 0-3550 | 30 | 15 | CP-QPSK | H | Outer_Full | NV | 10 | -4.867036 | -0.001374 | PASS |
| N77-345 0-3550 | 30 | 15 | CP-QPSK | H | Outer_Full | NV | 20 | -3.928096 | -0.001109 | PASS |
| N77-345 0-3550 | 30 | 15 | CP-QPSK | H | Outer_Full | NV | 30 | -4.991477 | -0.001409 | PASS |
| N77-345 0-3550 | 30 | 15 | CP-QPSK | H | Outer_Full | NV | 40 | -1.937245 | -0.000547 | PASS |
| N77-345 0-3550 | 30 | 15 | CP-QPSK | H | Outer_Full | NV | 50 | -2.722903 | -0.000769 | PASS |
| N77-345 0-3550 | 30 | 15 | CP-16QAM | H | Outer_Full | NV | -30 | -3.199175 | -0.000903 | PASS |
| N77-345 0-3550 | 30 | 15 | CP-16QAM | H | Outer_Full | NV | -20 | -5.516784 | -0.001557 | PASS |
| N77-345 0-3550 | 30 | 15 | CP-16QAM | H | Outer_Full | NV | -10 | -5.679601 | -0.001603 | PASS |
| N77-345 0-3550 | 30 | 15 | CP-16QAM | H | Outer_Full | NV | 0 | -2.222675 | -0.000627 | PASS |
| N77-345 | 30 | 15 | CP-16QAM | H | Outer_Full | NV | 10 | -5.388712 | -0.001521 | PASS |

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|---|---|---|---|---|---|---|---|---|---|---|
| 0-3550 | | | | | | | | | | |
| N77-345 0-3550 | 30 | 15 | CP-16QAM | H | Outer_Full | NV | 20 | -5.615595 | -0.001585 | PASS |
| N77-345 0-3550 | 30 | 15 | CP-16QAM | H | Outer_Full | NV | 30 | -4.768932 | -0.001346 | PASS |
| N77-345 0-3550 | 30 | 15 | CP-16QAM | H | Outer_Full | NV | 40 | -1.280949 | -0.000362 | PASS |
| N77-345 0-3550 | 30 | 15 | CP-16QAM | H | Outer_Full | NV | 50 | -3.729053 | -0.001053 | PASS |
| N77-345 0-3550 | 30 | 20 | CP-QPSK | L | Outer_Full | NV | -30 | -3.096174 | -0.000895 | PASS |
| N77-345 0-3550 | 30 | 20 | CP-QPSK | L | Outer_Full | NV | -20 | -6.395734 | -0.001848 | PASS |
| N77-345 0-3550 | 30 | 20 | CP-QPSK | L | Outer_Full | NV | -10 | -3.870080 | -0.001119 | PASS |
| N77-345 0-3550 | 30 | 20 | CP-QPSK | L | Outer_Full | NV | 0 | -3.269189 | -0.000945 | PASS |
| N77-345 0-3550 | 30 | 20 | CP-QPSK | L | Outer_Full | NV | 10 | -3.424836 | -0.000990 | PASS |
| N77-345 0-3550 | 30 | 20 | CP-QPSK | L | Outer_Full | NV | 20 | -3.181709 | -0.000920 | PASS |
| N77-345 0-3550 | 30 | 20 | CP-QPSK | L | Outer_Full | NV | 30 | -5.664057 | -0.001637 | PASS |
| N77-345 0-3550 | 30 | 20 | CP-QPSK | L | Outer_Full | NV | 40 | -2.845837 | -0.000822 | PASS |
| N77-345 0-3550 | 30 | 20 | CP-QPSK | L | Outer_Full | NV | 50 | -4.496708 | -0.001300 | PASS |
| N77-345 0-3550 | 30 | 20 | CP-16QAM | L | Outer_Full | NV | -30 | -4.450898 | -0.001286 | PASS |
| N77-345 0-3550 | 30 | 20 | CP-16QAM | L | Outer_Full | NV | -20 | -4.313350 | -0.001247 | PASS |
| N77-345 0-3550 | 30 | 20 | CP-16QAM | L | Outer_Full | NV | -10 | -3.017812 | -0.000872 | PASS |
| N77-345 0-3550 | 30 | 20 | CP-16QAM | L | Outer_Full | NV | 0 | -3.406723 | -0.000985 | PASS |
| N77-345 0-3550 | 30 | 20 | CP-16QAM | L | Outer_Full | NV | 10 | -6.949281 | -0.002008 | PASS |
| N77-345 0-3550 | 30 | 20 | CP-16QAM | L | Outer_Full | NV | 20 | -5.383722 | -0.001556 | PASS |
| N77-345 0-3550 | 30 | 20 | CP-16QAM | L | Outer_Full | NV | 30 | -2.573724 | -0.000744 | PASS |
| N77-345 | 30 | 20 | CP-16QAM | L | Outer_Full | NV | 40 | -1.850381 | -0.000535 | PASS |

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| 0-3550 | | | | | | | | | | |
| N77-345 0-3550 | 30 | 20 | CP-16QAM | L | Outer_Full | NV | 50 | -3.209974 | -0.000928 | PASS |
| N77-345 0-3550 | 30 | 20 | CP-QPSK | M | Outer_Full | NV | -30 | -3.663082 | -0.001047 | PASS |
| N77-345 0-3550 | 30 | 20 | CP-QPSK | M | Outer_Full | NV | -20 | -4.521219 | -0.001292 | PASS |
| N77-345 0-3550 | 30 | 20 | CP-QPSK | M | Outer_Full | NV | -10 | -2.744520 | -0.000784 | PASS |
| N77-345 0-3550 | 30 | 20 | CP-QPSK | M | Outer_Full | NV | 0 | -1.314433 | -0.000376 | PASS |
| N77-345 0-3550 | 30 | 20 | CP-QPSK | M | Outer_Full | NV | 10 | -2.700423 | -0.000772 | PASS |
| N77-345 0-3550 | 30 | 20 | CP-QPSK | M | Outer_Full | NV | 20 | -6.650780 | -0.001900 | PASS |
| N77-345 0-3550 | 30 | 20 | CP-QPSK | M | Outer_Full | NV | 30 | -2.928412 | -0.000837 | PASS |
| N77-345 0-3550 | 30 | 20 | CP-QPSK | M | Outer_Full | NV | 40 | -2.092591 | -0.000598 | PASS |
| N77-345 0-3550 | 30 | 20 | CP-QPSK | M | Outer_Full | NV | 50 | -2.298618 | -0.000657 | PASS |
| N77-345 0-3550 | 30 | 20 | CP-16QAM | M | Outer_Full | NV | -30 | -4.336393 | -0.001239 | PASS |
| N77-345 0-3550 | 30 | 20 | CP-16QAM | M | Outer_Full | NV | -20 | -4.039573 | -0.001154 | PASS |
| N77-345 0-3550 | 30 | 20 | CP-16QAM | M | Outer_Full | NV | -10 | -2.968074 | -0.000848 | PASS |
| N77-345 0-3550 | 30 | 20 | CP-16QAM | M | Outer_Full | NV | 0 | -7.976786 | -0.002279 | PASS |
| N77-345 0-3550 | 30 | 20 | CP-16QAM | M | Outer_Full | NV | 10 | -3.771092 | -0.001077 | PASS |
| N77-345 0-3550 | 30 | 20 | CP-16QAM | M | Outer_Full | NV | 20 | -4.532369 | -0.001295 | PASS |
| N77-345 0-3550 | 30 | 20 | CP-16QAM | M | Outer_Full | NV | 30 | -5.351568 | -0.001529 | PASS |
| N77-345 0-3550 | 30 | 20 | CP-16QAM | M | Outer_Full | NV | 40 | -2.424159 | -0.000693 | PASS |
| N77-345 0-3550 | 30 | 20 | CP-16QAM | M | Outer_Full | NV | 50 | -4.679823 | -0.001337 | PASS |
| N77-345 0-3550 | 30 | 20 | CP-QPSK | H | Outer_Full | NV | -30 | -5.254834 | -0.001484 | PASS |
| N77-345 | 30 | 20 | CP-QPSK | H | Outer_Full | NV | -20 | -3.154711 | -0.000891 | PASS |

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| 0-3550 | | | | | | | | | | |
| N77-345 0-3550 | 30 | 20 | CP-QPSK | H | Outer_Full | NV | -10 | -3.317547 | -0.000937 | PASS |
| N77-345 0-3550 | 30 | 20 | CP-QPSK | H | Outer_Full | NV | 0 | -1.363630 | -0.000385 | PASS |
| N77-345 0-3550 | 30 | 20 | CP-QPSK | H | Outer_Full | NV | 10 | -2.731266 | -0.000772 | PASS |
| N77-345 0-3550 | 30 | 20 | CP-QPSK | H | Outer_Full | NV | 20 | -5.517151 | -0.001559 | PASS |
| N77-345 0-3550 | 30 | 20 | CP-QPSK | H | Outer_Full | NV | 30 | -4.105422 | -0.001160 | PASS |
| N77-345 0-3550 | 30 | 20 | CP-QPSK | H | Outer_Full | NV | 40 | -4.527280 | -0.001279 | PASS |
| N77-345 0-3550 | 30 | 20 | CP-QPSK | H | Outer_Full | NV | 50 | -7.161310 | -0.002023 | PASS |
| N77-345 0-3550 | 30 | 20 | CP-16QAM | H | Outer_Full | NV | -30 | -5.163536 | -0.001459 | PASS |
| N77-345 0-3550 | 30 | 20 | CP-16QAM | H | Outer_Full | NV | -20 | -1.205004 | -0.000340 | PASS |
| N77-345 0-3550 | 30 | 20 | CP-16QAM | H | Outer_Full | NV | -10 | -1.567401 | -0.000443 | PASS |
| N77-345 0-3550 | 30 | 20 | CP-16QAM | H | Outer_Full | NV | 0 | -4.206847 | -0.001188 | PASS |
| N77-345 0-3550 | 30 | 20 | CP-16QAM | H | Outer_Full | NV | 10 | -6.541255 | -0.001848 | PASS |
| N77-345 0-3550 | 30 | 20 | CP-16QAM | H | Outer_Full | NV | 20 | -4.073838 | -0.001151 | PASS |
| N77-345 0-3550 | 30 | 20 | CP-16QAM | H | Outer_Full | NV | 30 | -4.590013 | -0.001297 | PASS |
| N77-345 0-3550 | 30 | 20 | CP-16QAM | H | Outer_Full | NV | 40 | -2.141563 | -0.000605 | PASS |
| N77-345 0-3550 | 30 | 20 | CP-16QAM | H | Outer_Full | NV | 50 | -7.178061 | -0.002028 | PASS |
| N77-345 0-3550 | 30 | 40 | CP-QPSK | L | Outer_Full | NV | -30 | -5.657572 | -0.001630 | PASS |
| N77-345 0-3550 | 30 | 40 | CP-QPSK | L | Outer_Full | NV | -20 | -4.795329 | -0.001382 | PASS |
| N77-345 0-3550 | 30 | 40 | CP-QPSK | L | Outer_Full | NV | -10 | -2.820017 | -0.000813 | PASS |
| N77-345 0-3550 | 30 | 40 | CP-QPSK | L | Outer_Full | NV | 0 | -3.320319 | -0.000957 | PASS |
| N77-345 | 30 | 40 | CP-QPSK | L | Outer_Full | NV | 10 | -5.147648 | -0.001483 | PASS |

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| 0-3550 | | | | | | | | | | |
| N77-345 0-3550 | 30 | 40 | CP-QPSK | L | Outer_Full | NV | 20 | -2.738621 | -0.000789 | PASS |
| N77-345 0-3550 | 30 | 40 | CP-QPSK | L | Outer_Full | NV | 30 | -0.014356 | -0.000004 | PASS |
| N77-345 0-3550 | 30 | 40 | CP-QPSK | L | Outer_Full | NV | 40 | -2.807278 | -0.000809 | PASS |
| N77-345 0-3550 | 30 | 40 | CP-QPSK | L | Outer_Full | NV | 50 | -7.404516 | -0.002134 | PASS |
| N77-345 0-3550 | 30 | 40 | CP-16QAM | L | Outer_Full | NV | -30 | -2.676146 | -0.000771 | PASS |
| N77-345 0-3550 | 30 | 40 | CP-16QAM | L | Outer_Full | NV | -20 | -2.858740 | -0.000824 | PASS |
| N77-345 0-3550 | 30 | 40 | CP-16QAM | L | Outer_Full | NV | -10 | -4.954640 | -0.001428 | PASS |
| N77-345 0-3550 | 30 | 40 | CP-16QAM | L | Outer_Full | NV | 0 | -2.307610 | -0.000665 | PASS |
| N77-345 0-3550 | 30 | 40 | CP-16QAM | L | Outer_Full | NV | 10 | -3.960701 | -0.001141 | PASS |
| N77-345 0-3550 | 30 | 40 | CP-16QAM | L | Outer_Full | NV | 20 | -3.055626 | -0.000881 | PASS |
| N77-345 0-3550 | 30 | 40 | CP-16QAM | L | Outer_Full | NV | 30 | -4.988533 | -0.001438 | PASS |
| N77-345 0-3550 | 30 | 40 | CP-16QAM | L | Outer_Full | NV | 40 | -5.028842 | -0.001449 | PASS |
| N77-345 0-3550 | 30 | 40 | CP-16QAM | L | Outer_Full | NV | 50 | -3.481109 | -0.001003 | PASS |
| N77-345 0-3550 | 30 | 40 | CP-QPSK | M | Outer_Full | NV | -30 | -2.846211 | -0.000813 | PASS |
| N77-345 0-3550 | 30 | 40 | CP-QPSK | M | Outer_Full | NV | -20 | -4.214365 | -0.001204 | PASS |
| N77-345 0-3550 | 30 | 40 | CP-QPSK | M | Outer_Full | NV | -10 | -4.561714 | -0.001303 | PASS |
| N77-345 0-3550 | 30 | 40 | CP-QPSK | M | Outer_Full | NV | 0 | -4.493843 | -0.001284 | PASS |
| N77-345 0-3550 | 30 | 40 | CP-QPSK | M | Outer_Full | NV | 10 | -3.339021 | -0.000954 | PASS |
| N77-345 0-3550 | 30 | 40 | CP-QPSK | M | Outer_Full | NV | 20 | -4.574415 | -0.001307 | PASS |
| N77-345 0-3550 | 30 | 40 | CP-QPSK | M | Outer_Full | NV | 30 | -0.463367 | -0.000132 | PASS |
| N77-345 | 30 | 40 | CP-QPSK | M | Outer_Full | NV | 40 | -4.882088 | -0.001395 | PASS |

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| 0-3550 | | | | | | | | | | |
| N77-345 0-3550 | 30 | 40 | CP-QPSK | M | Outer_Full | NV | 50 | -4.029145 | -0.001151 | PASS |
| N77-345 0-3550 | 30 | 40 | CP-16QAM | M | Outer_Full | NV | -30 | -5.816926 | -0.001662 | PASS |
| N77-345 0-3550 | 30 | 40 | CP-16QAM | M | Outer_Full | NV | -20 | -1.781953 | -0.000509 | PASS |
| N77-345 0-3550 | 30 | 40 | CP-16QAM | M | Outer_Full | NV | -10 | -3.160886 | -0.000903 | PASS |
| N77-345 0-3550 | 30 | 40 | CP-16QAM | M | Outer_Full | NV | 0 | -6.367990 | -0.001819 | PASS |
| N77-345 0-3550 | 30 | 40 | CP-16QAM | M | Outer_Full | NV | 10 | -5.680099 | -0.001623 | PASS |
| N77-345 0-3550 | 30 | 40 | CP-16QAM | M | Outer_Full | NV | 20 | -5.485892 | -0.001567 | PASS |
| N77-345 0-3550 | 30 | 40 | CP-16QAM | M | Outer_Full | NV | 30 | -2.968211 | -0.000848 | PASS |
| N77-345 0-3550 | 30 | 40 | CP-16QAM | M | Outer_Full | NV | 40 | -3.449467 | -0.000986 | PASS |
| N77-345 0-3550 | 30 | 40 | CP-16QAM | M | Outer_Full | NV | 50 | -1.689765 | -0.000483 | PASS |
| N77-345 0-3550 | 30 | 40 | CP-QPSK | H | Outer_Full | NV | -30 | -1.758492 | -0.000498 | PASS |
| N77-345 0-3550 | 30 | 40 | CP-QPSK | H | Outer_Full | NV | -20 | -1.135388 | -0.000322 | PASS |
| N77-345 0-3550 | 30 | 40 | CP-QPSK | H | Outer_Full | NV | -10 | -4.624586 | -0.001310 | PASS |
| N77-345 0-3550 | 30 | 40 | CP-QPSK | H | Outer_Full | NV | 0 | -2.106629 | -0.000597 | PASS |
| N77-345 0-3550 | 30 | 40 | CP-QPSK | H | Outer_Full | NV | 10 | -5.383647 | -0.001525 | PASS |
| N77-345 0-3550 | 30 | 40 | CP-QPSK | H | Outer_Full | NV | 20 | -3.768091 | -0.001067 | PASS |
| N77-345 0-3550 | 30 | 40 | CP-QPSK | H | Outer_Full | NV | 30 | -5.846869 | -0.001656 | PASS |
| N77-345 0-3550 | 30 | 40 | CP-QPSK | H | Outer_Full | NV | 40 | -7.023926 | -0.001990 | PASS |
| N77-345 0-3550 | 30 | 40 | CP-QPSK | H | Outer_Full | NV | 50 | -6.837391 | -0.001937 | PASS |
| N77-345 0-3550 | 30 | 40 | CP-16QAM | H | Outer_Full | NV | -30 | -4.612933 | -0.001307 | PASS |
| N77-345 | 30 | 40 | CP-16QAM | H | Outer_Full | NV | -20 | -4.298690 | -0.001218 | PASS |

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| 0-3550 | | | | | | | | | | |
| N77-345 0-3550 | 30 | 40 | CP-16QAM | H | Outer_Full | NV | -10 | -4.309644 | -0.001221 | PASS |
| N77-345 0-3550 | 30 | 40 | CP-16QAM | H | Outer_Full | NV | 0 | -6.582453 | -0.001865 | PASS |
| N77-345 0-3550 | 30 | 40 | CP-16QAM | H | Outer_Full | NV | 10 | -4.009803 | -0.001136 | PASS |
| N77-345 0-3550 | 30 | 40 | CP-16QAM | H | Outer_Full | NV | 20 | -3.658352 | -0.001036 | PASS |
| N77-345 0-3550 | 30 | 40 | CP-16QAM | H | Outer_Full | NV | 30 | 0.002868 | 0.000001 | PASS |
| N77-345 0-3550 | 30 | 40 | CP-16QAM | H | Outer_Full | NV | 40 | -1.261464 | -0.000357 | PASS |
| N77-345 0-3550 | 30 | 40 | CP-16QAM | H | Outer_Full | NV | 50 | -2.349814 | -0.000666 | PASS |
| N77-345 0-3550 | 30 | 50 | CP-QPSK | L | Outer_Full | NV | -30 | -3.075526 | -0.000885 | PASS |
| N77-345 0-3550 | 30 | 50 | CP-QPSK | L | Outer_Full | NV | -20 | -2.658385 | -0.000765 | PASS |
| N77-345 0-3550 | 30 | 50 | CP-QPSK | L | Outer_Full | NV | -10 | -4.389138 | -0.001263 | PASS |
| N77-345 0-3550 | 30 | 50 | CP-QPSK | L | Outer_Full | NV | 0 | -5.757115 | -0.001657 | PASS |
| N77-345 0-3550 | 30 | 50 | CP-QPSK | L | Outer_Full | NV | 10 | -6.216678 | -0.001789 | PASS |
| N77-345 0-3550 | 30 | 50 | CP-QPSK | L | Outer_Full | NV | 20 | -4.152511 | -0.001195 | PASS |
| N77-345 0-3550 | 30 | 50 | CP-QPSK | L | Outer_Full | NV | 30 | -7.108692 | -0.002046 | PASS |
| N77-345 0-3550 | 30 | 50 | CP-QPSK | L | Outer_Full | NV | 40 | -4.819336 | -0.001387 | PASS |
| N77-345 0-3550 | 30 | 50 | CP-QPSK | L | Outer_Full | NV | 50 | -2.874459 | -0.000827 | PASS |
| N77-345 0-3550 | 30 | 50 | CP-16QAM | L | Outer_Full | NV | -30 | -4.660938 | -0.001341 | PASS |
| N77-345 0-3550 | 30 | 50 | CP-16QAM | L | Outer_Full | NV | -20 | -2.890275 | -0.000832 | PASS |
| N77-345 0-3550 | 30 | 50 | CP-16QAM | L | Outer_Full | NV | -10 | -5.126890 | -0.001475 | PASS |
| N77-345 0-3550 | 30 | 50 | CP-16QAM | L | Outer_Full | NV | 0 | -3.688350 | -0.001061 | PASS |
| N77-345 | 30 | 50 | CP-16QAM | L | Outer_Full | NV | 10 | -4.190572 | -0.001206 | PASS |

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| 0-3550 | | | | | | | | | | |
| N77-345 0-3550 | 30 | 50 | CP-16QAM | L | Outer_Full | NV | 20 | -1.863097 | -0.000536 | PASS |
| N77-345 0-3550 | 30 | 50 | CP-16QAM | L | Outer_Full | NV | 30 | -6.935737 | -0.001996 | PASS |
| N77-345 0-3550 | 30 | 50 | CP-16QAM | L | Outer_Full | NV | 40 | -7.177509 | -0.002065 | PASS |
| N77-345 0-3550 | 30 | 50 | CP-16QAM | L | Outer_Full | NV | 50 | -1.263865 | -0.000364 | PASS |
| N77-345 0-3550 | 30 | 50 | CP-QPSK | M | Outer_Full | NV | -30 | -6.793329 | -0.001941 | PASS |
| N77-345 0-3550 | 30 | 50 | CP-QPSK | M | Outer_Full | NV | -20 | -0.382550 | -0.000109 | PASS |
| N77-345 0-3550 | 30 | 50 | CP-QPSK | M | Outer_Full | NV | -10 | -5.984787 | -0.001710 | PASS |
| N77-345 0-3550 | 30 | 50 | CP-QPSK | M | Outer_Full | NV | 0 | -2.256955 | -0.000645 | PASS |
| N77-345 0-3550 | 30 | 50 | CP-QPSK | M | Outer_Full | NV | 10 | -5.324751 | -0.001521 | PASS |
| N77-345 0-3550 | 30 | 50 | CP-QPSK | M | Outer_Full | NV | 20 | -2.095542 | -0.000599 | PASS |
| N77-345 0-3550 | 30 | 50 | CP-QPSK | M | Outer_Full | NV | 30 | -3.374177 | -0.000964 | PASS |
| N77-345 0-3550 | 30 | 50 | CP-QPSK | M | Outer_Full | NV | 40 | -4.722674 | -0.001349 | PASS |
| N77-345 0-3550 | 30 | 50 | CP-QPSK | M | Outer_Full | NV | 50 | -2.858147 | -0.000817 | PASS |
| N77-345 0-3550 | 30 | 50 | CP-16QAM | M | Outer_Full | NV | -30 | -0.995780 | -0.000285 | PASS |
| N77-345 0-3550 | 30 | 50 | CP-16QAM | M | Outer_Full | NV | -20 | -5.223162 | -0.001492 | PASS |
| N77-345 0-3550 | 30 | 50 | CP-16QAM | M | Outer_Full | NV | -10 | -4.255454 | -0.001216 | PASS |
| N77-345 0-3550 | 30 | 50 | CP-16QAM | M | Outer_Full | NV | 0 | -4.689090 | -0.001340 | PASS |
| N77-345 0-3550 | 30 | 50 | CP-16QAM | M | Outer_Full | NV | 10 | -1.031961 | -0.000295 | PASS |
| N77-345 0-3550 | 30 | 50 | CP-16QAM | M | Outer_Full | NV | 20 | -0.915532 | -0.000262 | PASS |
| N77-345 0-3550 | 30 | 50 | CP-16QAM | M | Outer_Full | NV | 30 | -4.552702 | -0.001301 | PASS |
| N77-345 | 30 | 50 | CP-16QAM | M | Outer_Full | NV | 40 | -1.020900 | -0.000292 | PASS |

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|---|---|---|---|---|---|---|---|---|---|---|
| 0-3550 | | | | | | | | | | |
| N77-345 0-3550 | 30 | 50 | CP-16QAM | M | Outer_Full | NV | 50 | -4.222746 | -0.001206 | PASS |
| N77-345 0-3550 | 30 | 50 | CP-QPSK | H | Outer_Full | NV | -30 | -2.576852 | -0.000731 | PASS |
| N77-345 0-3550 | 30 | 50 | CP-QPSK | H | Outer_Full | NV | -20 | -6.007605 | -0.001704 | PASS |
| N77-345 0-3550 | 30 | 50 | CP-QPSK | H | Outer_Full | NV | -10 | -5.453451 | -0.001547 | PASS |
| N77-345 0-3550 | 30 | 50 | CP-QPSK | H | Outer_Full | NV | 0 | -2.678006 | -0.000760 | PASS |
| N77-345 0-3550 | 30 | 50 | CP-QPSK | H | Outer_Full | NV | 10 | -5.205907 | -0.001477 | PASS |
| N77-345 0-3550 | 30 | 50 | CP-QPSK | H | Outer_Full | NV | 20 | -1.917464 | -0.000544 | PASS |
| N77-345 0-3550 | 30 | 50 | CP-QPSK | H | Outer_Full | NV | 30 | -4.139721 | -0.001174 | PASS |
| N77-345 0-3550 | 30 | 50 | CP-QPSK | H | Outer_Full | NV | 40 | -3.732970 | -0.001059 | PASS |
| N77-345 0-3550 | 30 | 50 | CP-QPSK | H | Outer_Full | NV | 50 | -4.693737 | -0.001332 | PASS |
| N77-345 0-3550 | 30 | 50 | CP-16QAM | H | Outer_Full | NV | -30 | -4.524396 | -0.001284 | PASS |
| N77-345 0-3550 | 30 | 50 | CP-16QAM | H | Outer_Full | NV | -20 | -3.894756 | -0.001105 | PASS |
| N77-345 0-3550 | 30 | 50 | CP-16QAM | H | Outer_Full | NV | -10 | -3.445669 | -0.000977 | PASS |
| N77-345 0-3550 | 30 | 50 | CP-16QAM | H | Outer_Full | NV | 0 | -3.958180 | -0.001123 | PASS |
| N77-345 0-3550 | 30 | 50 | CP-16QAM | H | Outer_Full | NV | 10 | -5.726099 | -0.001624 | PASS |
| N77-345 0-3550 | 30 | 50 | CP-16QAM | H | Outer_Full | NV | 20 | -5.643124 | -0.001601 | PASS |
| N77-345 0-3550 | 30 | 50 | CP-16QAM | H | Outer_Full | NV | 30 | -4.990044 | -0.001416 | PASS |
| N77-345 0-3550 | 30 | 50 | CP-16QAM | H | Outer_Full | NV | 40 | -3.622432 | -0.001028 | PASS |
| N77-345 0-3550 | 30 | 50 | CP-16QAM | H | Outer_Full | NV | 50 | -6.101371 | -0.001731 | PASS |
| N77-345 0-3550 | 30 | 60 | CP-QPSK | L | Outer_Full | NV | -30 | -5.939661 | -0.001707 | PASS |
| N77-345 | 30 | 60 | CP-QPSK | L | Outer_Full | NV | -20 | -3.961168 | -0.001138 | PASS |

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| 0-3550 | | | | | | | | | | |
| N77-345 0-3550 | 30 | 60 | CP-QPSK | L | Outer_Full | NV | -10 | -3.990727 | -0.001147 | PASS |
| N77-345 0-3550 | 30 | 60 | CP-QPSK | L | Outer_Full | NV | 0 | -2.310936 | -0.000664 | PASS |
| N77-345 0-3550 | 30 | 60 | CP-QPSK | L | Outer_Full | NV | 10 | -6.281909 | -0.001805 | PASS |
| N77-345 0-3550 | 30 | 60 | CP-QPSK | L | Outer_Full | NV | 20 | -2.626378 | -0.000755 | PASS |
| N77-345 0-3550 | 30 | 60 | CP-QPSK | L | Outer_Full | NV | 30 | -3.788079 | -0.001089 | PASS |
| N77-345 0-3550 | 30 | 60 | CP-QPSK | L | Outer_Full | NV | 40 | -4.469689 | -0.001284 | PASS |
| N77-345 0-3550 | 30 | 60 | CP-QPSK | L | Outer_Full | NV | 50 | -4.427820 | -0.001272 | PASS |
| N77-345 0-3550 | 30 | 60 | CP-16QAM | L | Outer_Full | NV | -30 | -3.220014 | -0.000925 | PASS |
| N77-345 0-3550 | 30 | 60 | CP-16QAM | L | Outer_Full | NV | -20 | -1.247251 | -0.000358 | PASS |
| N77-345 0-3550 | 30 | 60 | CP-16QAM | L | Outer_Full | NV | -10 | -1.760994 | -0.000506 | PASS |
| N77-345 0-3550 | 30 | 60 | CP-16QAM | L | Outer_Full | NV | 0 | -4.489069 | -0.001290 | PASS |
| N77-345 0-3550 | 30 | 60 | CP-16QAM | L | Outer_Full | NV | 10 | -2.608351 | -0.000750 | PASS |
| N77-345 0-3550 | 30 | 60 | CP-16QAM | L | Outer_Full | NV | 20 | -1.399973 | -0.000402 | PASS |
| N77-345 0-3550 | 30 | 60 | CP-16QAM | L | Outer_Full | NV | 30 | -4.296521 | -0.001235 | PASS |
| N77-345 0-3550 | 30 | 60 | CP-16QAM | L | Outer_Full | NV | 40 | -3.873378 | -0.001113 | PASS |
| N77-345 0-3550 | 30 | 60 | CP-16QAM | L | Outer_Full | NV | 50 | -4.903220 | -0.001409 | PASS |
| N77-345 0-3550 | 30 | 60 | CP-QPSK | M | Outer_Full | NV | -30 | -2.597496 | -0.000742 | PASS |
| N77-345 0-3550 | 30 | 60 | CP-QPSK | M | Outer_Full | NV | -20 | -4.039587 | -0.001154 | PASS |
| N77-345 0-3550 | 30 | 60 | CP-QPSK | M | Outer_Full | NV | -10 | -5.084994 | -0.001453 | PASS |
| N77-345 0-3550 | 30 | 60 | CP-QPSK | M | Outer_Full | NV | 0 | -5.045240 | -0.001441 | PASS |
| N77-345 | 30 | 60 | CP-QPSK | M | Outer_Full | NV | 10 | -2.119681 | -0.000606 | PASS |

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|---|---|---|---|---|---|---|---|---|---|---|
| 0-3550 | | | | | | | | | | |
| N77-345 0-3550 | 30 | 60 | CP-QPSK | M | Outer_Full | NV | 20 | -4.492845 | -0.001284 | PASS |
| N77-345 0-3550 | 30 | 60 | CP-QPSK | M | Outer_Full | NV | 30 | -0.448333 | -0.000128 | PASS |
| N77-345 0-3550 | 30 | 60 | CP-QPSK | M | Outer_Full | NV | 40 | -5.052349 | -0.001444 | PASS |
| N77-345 0-3550 | 30 | 60 | CP-QPSK | M | Outer_Full | NV | 50 | -1.900219 | -0.000543 | PASS |
| N77-345 0-3550 | 30 | 60 | CP-16QAM | M | Outer_Full | NV | -30 | 0.853676 | 0.000244 | PASS |
| N77-345 0-3550 | 30 | 60 | CP-16QAM | M | Outer_Full | NV | -20 | -4.411682 | -0.001260 | PASS |
| N77-345 0-3550 | 30 | 60 | CP-16QAM | M | Outer_Full | NV | -10 | -3.992969 | -0.001141 | PASS |
| N77-345 0-3550 | 30 | 60 | CP-16QAM | M | Outer_Full | NV | 0 | -7.398138 | -0.002114 | PASS |
| N77-345 0-3550 | 30 | 60 | CP-16QAM | M | Outer_Full | NV | 10 | -2.971192 | -0.000849 | PASS |
| N77-345 0-3550 | 30 | 60 | CP-16QAM | M | Outer_Full | NV | 20 | -6.784087 | -0.001938 | PASS |
| N77-345 0-3550 | 30 | 60 | CP-16QAM | M | Outer_Full | NV | 30 | -3.061882 | -0.000875 | PASS |
| N77-345 0-3550 | 30 | 60 | CP-16QAM | M | Outer_Full | NV | 40 | -3.346757 | -0.000956 | PASS |
| N77-345 0-3550 | 30 | 60 | CP-16QAM | M | Outer_Full | NV | 50 | -4.991486 | -0.001426 | PASS |
| N77-345 0-3550 | 30 | 60 | CP-QPSK | H | Outer_Full | NV | -30 | -4.064917 | -0.001155 | PASS |
| N77-345 0-3550 | 30 | 60 | CP-QPSK | H | Outer_Full | NV | -20 | -2.215779 | -0.000629 | PASS |
| N77-345 0-3550 | 30 | 60 | CP-QPSK | H | Outer_Full | NV | -10 | -3.657546 | -0.001039 | PASS |
| N77-345 0-3550 | 30 | 60 | CP-QPSK | H | Outer_Full | NV | 0 | -6.364074 | -0.001808 | PASS |
| N77-345 0-3550 | 30 | 60 | CP-QPSK | H | Outer_Full | NV | 10 | -2.549602 | -0.000724 | PASS |
| N77-345 0-3550 | 30 | 60 | CP-QPSK | H | Outer_Full | NV | 20 | -3.302097 | -0.000938 | PASS |
| N77-345 0-3550 | 30 | 60 | CP-QPSK | H | Outer_Full | NV | 30 | -4.015330 | -0.001141 | PASS |
| N77-345 | 30 | 60 | CP-QPSK | H | Outer_Full | NV | 40 | -3.611312 | -0.001026 | PASS |

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| 0-3550 | | | | | | | | | | |
| N77-345 0-3550 | 30 | 60 | CP-QPSK | H | Outer_Full | NV | 50 | -2.837379 | -0.000806 | PASS |
| N77-345 0-3550 | 30 | 60 | CP-16QAM | H | Outer_Full | NV | -30 | -2.581001 | -0.000733 | PASS |
| N77-345 0-3550 | 30 | 60 | CP-16QAM | H | Outer_Full | NV | -20 | -3.090680 | -0.000878 | PASS |
| N77-345 0-3550 | 30 | 60 | CP-16QAM | H | Outer_Full | NV | -10 | -4.911856 | -0.001395 | PASS |
| N77-345 0-3550 | 30 | 60 | CP-16QAM | H | Outer_Full | NV | 0 | -3.279547 | -0.000932 | PASS |
| N77-345 0-3550 | 30 | 60 | CP-16QAM | H | Outer_Full | NV | 10 | -0.845204 | -0.000240 | PASS |
| N77-345 0-3550 | 30 | 60 | CP-16QAM | H | Outer_Full | NV | 20 | -3.582977 | -0.001018 | PASS |
| N77-345 0-3550 | 30 | 60 | CP-16QAM | H | Outer_Full | NV | 30 | -2.332062 | -0.000663 | PASS |
| N77-345 0-3550 | 30 | 60 | CP-16QAM | H | Outer_Full | NV | 40 | -2.713509 | -0.000771 | PASS |
| N77-345 0-3550 | 30 | 60 | CP-16QAM | H | Outer_Full | NV | 50 | -4.669079 | -0.001326 | PASS |
| N77-345 0-3550 | 30 | 80 | CP-QPSK | L | Outer_Full | NV | -30 | -4.568254 | -0.001309 | PASS |
| N77-345 0-3550 | 30 | 80 | CP-QPSK | L | Outer_Full | NV | -20 | -1.978091 | -0.000567 | PASS |
| N77-345 0-3550 | 30 | 80 | CP-QPSK | L | Outer_Full | NV | -10 | -5.896422 | -0.001690 | PASS |
| N77-345 0-3550 | 30 | 80 | CP-QPSK | L | Outer_Full | NV | 0 | -2.173106 | -0.000623 | PASS |
| N77-345 0-3550 | 30 | 80 | CP-QPSK | L | Outer_Full | NV | 10 | -2.643608 | -0.000757 | PASS |
| N77-345 0-3550 | 30 | 80 | CP-QPSK | L | Outer_Full | NV | 20 | -8.409322 | -0.002410 | PASS |
| N77-345 0-3550 | 30 | 80 | CP-QPSK | L | Outer_Full | NV | 30 | -3.561781 | -0.001021 | PASS |
| N77-345 0-3550 | 30 | 80 | CP-QPSK | L | Outer_Full | NV | 40 | -3.556854 | -0.001019 | PASS |
| N77-345 0-3550 | 30 | 80 | CP-QPSK | L | Outer_Full | NV | 50 | -3.600068 | -0.001032 | PASS |
| N77-345 0-3550 | 30 | 80 | CP-16QAM | L | Outer_Full | NV | -30 | -1.950750 | -0.000559 | PASS |
| N77-345 | 30 | 80 | CP-16QAM | L | Outer_Full | NV | -20 | -1.540877 | -0.000442 | PASS |

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|---|---|---|---|---|---|---|---|---|---|---|
| 0-3550 | | | | | | | | | | |
| N77-345 0-3550 | 30 | 80 | CP-16QAM | L | Outer_Full | NV | -10 | -7.168628 | -0.002054 | PASS |
| N77-345 0-3550 | 30 | 80 | CP-16QAM | L | Outer_Full | NV | 0 | -5.260783 | -0.001507 | PASS |
| N77-345 0-3550 | 30 | 80 | CP-16QAM | L | Outer_Full | NV | 10 | -3.403935 | -0.000975 | PASS |
| N77-345 0-3550 | 30 | 80 | CP-16QAM | L | Outer_Full | NV | 20 | -2.499877 | -0.000716 | PASS |
| N77-345 0-3550 | 30 | 80 | CP-16QAM | L | Outer_Full | NV | 30 | -4.435404 | -0.001271 | PASS |
| N77-345 0-3550 | 30 | 80 | CP-16QAM | L | Outer_Full | NV | 40 | -1.689128 | -0.000484 | PASS |
| N77-345 0-3550 | 30 | 80 | CP-16QAM | L | Outer_Full | NV | 50 | -4.638481 | -0.001329 | PASS |
| N77-345 0-3550 | 30 | 80 | CP-QPSK | M | Outer_Full | NV | -30 | -4.263392 | -0.001218 | PASS |
| N77-345 0-3550 | 30 | 80 | CP-QPSK | M | Outer_Full | NV | -20 | -5.187325 | -0.001482 | PASS |
| N77-345 0-3550 | 30 | 80 | CP-QPSK | M | Outer_Full | NV | -10 | -2.311146 | -0.000660 | PASS |
| N77-345 0-3550 | 30 | 80 | CP-QPSK | M | Outer_Full | NV | 0 | -3.954850 | -0.001130 | PASS |
| N77-345 0-3550 | 30 | 80 | CP-QPSK | M | Outer_Full | NV | 10 | -1.521955 | -0.000435 | PASS |
| N77-345 0-3550 | 30 | 80 | CP-QPSK | M | Outer_Full | NV | 20 | -0.272891 | -0.000078 | PASS |
| N77-345 0-3550 | 30 | 80 | CP-QPSK | M | Outer_Full | NV | 30 | -4.211188 | -0.001203 | PASS |
| N77-345 0-3550 | 30 | 80 | CP-QPSK | M | Outer_Full | NV | 40 | -4.263498 | -0.001218 | PASS |
| N77-345 0-3550 | 30 | 80 | CP-QPSK | M | Outer_Full | NV | 50 | -6.539256 | -0.001868 | PASS |
| N77-345 0-3550 | 30 | 80 | CP-16QAM | M | Outer_Full | NV | -30 | -2.129844 | -0.000609 | PASS |
| N77-345 0-3550 | 30 | 80 | CP-16QAM | M | Outer_Full | NV | -20 | -6.581053 | -0.001880 | PASS |
| N77-345 0-3550 | 30 | 80 | CP-16QAM | M | Outer_Full | NV | -10 | -5.463497 | -0.001561 | PASS |
| N77-345 0-3550 | 30 | 80 | CP-16QAM | M | Outer_Full | NV | 0 | -0.887796 | -0.000254 | PASS |
| N77-345 | 30 | 80 | CP-16QAM | M | Outer_Full | NV | 10 | -3.541632 | -0.001012 | PASS |

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|---|---|---|---|---|---|---|---|---|---|---|
| 0-3550 | | | | | | | | | | |
| N77-345 0-3550 | 30 | 80 | CP-16QAM | M | Outer_Full | NV | 20 | -2.902087 | -0.000829 | PASS |
| N77-345 0-3550 | 30 | 80 | CP-16QAM | M | Outer_Full | NV | 30 | -4.773549 | -0.001364 | PASS |
| N77-345 0-3550 | 30 | 80 | CP-16QAM | M | Outer_Full | NV | 40 | -3.536948 | -0.001011 | PASS |
| N77-345 0-3550 | 30 | 80 | CP-16QAM | M | Outer_Full | NV | 50 | -3.708544 | -0.001060 | PASS |
| N77-345 0-3550 | 30 | 80 | CP-QPSK | H | Outer_Full | NV | -30 | -9.646901 | -0.002748 | PASS |
| N77-345 0-3550 | 30 | 80 | CP-QPSK | H | Outer_Full | NV | -20 | -3.572878 | -0.001018 | PASS |
| N77-345 0-3550 | 30 | 80 | CP-QPSK | H | Outer_Full | NV | -10 | -6.398755 | -0.001823 | PASS |
| N77-345 0-3550 | 30 | 80 | CP-QPSK | H | Outer_Full | NV | 0 | -8.485115 | -0.002417 | PASS |
| N77-345 0-3550 | 30 | 80 | CP-QPSK | H | Outer_Full | NV | 10 | -2.824104 | -0.000805 | PASS |
| N77-345 0-3550 | 30 | 80 | CP-QPSK | H | Outer_Full | NV | 20 | -5.621514 | -0.001602 | PASS |
| N77-345 0-3550 | 30 | 80 | CP-QPSK | H | Outer_Full | NV | 30 | -3.066805 | -0.000874 | PASS |
| N77-345 0-3550 | 30 | 80 | CP-QPSK | H | Outer_Full | NV | 40 | -8.470879 | -0.002413 | PASS |
| N77-345 0-3550 | 30 | 80 | CP-QPSK | H | Outer_Full | NV | 50 | -4.917018 | -0.001401 | PASS |
| N77-345 0-3550 | 30 | 80 | CP-16QAM | H | Outer_Full | NV | -30 | -6.093924 | -0.001736 | PASS |
| N77-345 0-3550 | 30 | 80 | CP-16QAM | H | Outer_Full | NV | -20 | -8.707040 | -0.002481 | PASS |
| N77-345 0-3550 | 30 | 80 | CP-16QAM | H | Outer_Full | NV | -10 | -7.921150 | -0.002257 | PASS |
| N77-345 0-3550 | 30 | 80 | CP-16QAM | H | Outer_Full | NV | 0 | -6.174615 | -0.001759 | PASS |
| N77-345 0-3550 | 30 | 80 | CP-16QAM | H | Outer_Full | NV | 10 | -4.942220 | -0.001408 | PASS |
| N77-345 0-3550 | 30 | 80 | CP-16QAM | H | Outer_Full | NV | 20 | -4.813589 | -0.001371 | PASS |
| N77-345 0-3550 | 30 | 80 | CP-16QAM | H | Outer_Full | NV | 30 | -7.831031 | -0.002231 | PASS |
| N77-345 | 30 | 80 | CP-16QAM | H | Outer_Full | NV | 40 | -5.504416 | -0.001568 | PASS |

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|---|---|---|---|---|---|---|---|---|---|---|
| 0-3550 | | | | | | | | | | |
| N77-345 0-3550 | 30 | 80 | CP-16QAM | H | Outer_Full | NV | 50 | -5.091603 | -0.001451 | PASS |
| N77-345 0-3550 | 30 | 90 | CP-QPSK | L | Outer_Full | NV | -30 | -6.588424 | -0.001885 | PASS |
| N77-345 0-3550 | 30 | 90 | CP-QPSK | L | Outer_Full | NV | -20 | -3.913462 | -0.001120 | PASS |
| N77-345 0-3550 | 30 | 90 | CP-QPSK | L | Outer_Full | NV | -10 | -4.363095 | -0.001248 | PASS |
| N77-345 0-3550 | 30 | 90 | CP-QPSK | L | Outer_Full | NV | 0 | -6.145837 | -0.001758 | PASS |
| N77-345 0-3550 | 30 | 90 | CP-QPSK | L | Outer_Full | NV | 10 | -2.537032 | -0.000726 | PASS |
| N77-345 0-3550 | 30 | 90 | CP-QPSK | L | Outer_Full | NV | 20 | -6.814539 | -0.001950 | PASS |
| N77-345 0-3550 | 30 | 90 | CP-QPSK | L | Outer_Full | NV | 30 | -5.373873 | -0.001538 | PASS |
| N77-345 0-3550 | 30 | 90 | CP-QPSK | L | Outer_Full | NV | 40 | -2.457875 | -0.000703 | PASS |
| N77-345 0-3550 | 30 | 90 | CP-QPSK | L | Outer_Full | NV | 50 | -5.998323 | -0.001716 | PASS |
| N77-345 0-3550 | 30 | 90 | CP-16QAM | L | Outer_Full | NV | -30 | -3.643610 | -0.001043 | PASS |
| N77-345 0-3550 | 30 | 90 | CP-16QAM | L | Outer_Full | NV | -20 | -3.816715 | -0.001092 | PASS |
| N77-345 0-3550 | 30 | 90 | CP-16QAM | L | Outer_Full | NV | -10 | -2.322126 | -0.000664 | PASS |
| N77-345 0-3550 | 30 | 90 | CP-16QAM | L | Outer_Full | NV | 0 | -3.582916 | -0.001025 | PASS |
| N77-345 0-3550 | 30 | 90 | CP-16QAM | L | Outer_Full | NV | 10 | -6.702586 | -0.001918 | PASS |
| N77-345 0-3550 | 30 | 90 | CP-16QAM | L | Outer_Full | NV | 20 | -3.164002 | -0.000905 | PASS |
| N77-345 0-3550 | 30 | 90 | CP-16QAM | L | Outer_Full | NV | 30 | -4.772772 | -0.001366 | PASS |
| N77-345 0-3550 | 30 | 90 | CP-16QAM | L | Outer_Full | NV | 40 | -5.216639 | -0.001493 | PASS |
| N77-345 0-3550 | 30 | 90 | CP-16QAM | L | Outer_Full | NV | 50 | -3.988581 | -0.001141 | PASS |
| N77-345 0-3550 | 30 | 90 | CP-QPSK | M | Outer_Full | NV | -30 | -5.674261 | -0.001621 | PASS |
| N77-345 | 30 | 90 | CP-QPSK | M | Outer_Full | NV | -20 | -3.559397 | -0.001017 | PASS |

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| 0-3550 | | | | | | | | | | |
| N77-345 0-3550 | 30 | 90 | CP-QPSK | M | Outer_Full | NV | -10 | -3.896881 | -0.001113 | PASS |
| N77-345 0-3550 | 30 | 90 | CP-QPSK | M | Outer_Full | NV | 0 | -6.376753 | -0.001822 | PASS |
| N77-345 0-3550 | 30 | 90 | CP-QPSK | M | Outer_Full | NV | 10 | -2.946316 | -0.000842 | PASS |
| N77-345 0-3550 | 30 | 90 | CP-QPSK | M | Outer_Full | NV | 20 | -2.244217 | -0.000641 | PASS |
| N77-345 0-3550 | 30 | 90 | CP-QPSK | M | Outer_Full | NV | 30 | -5.491575 | -0.001569 | PASS |
| N77-345 0-3550 | 30 | 90 | CP-QPSK | M | Outer_Full | NV | 40 | -2.298173 | -0.000657 | PASS |
| N77-345 0-3550 | 30 | 90 | CP-QPSK | M | Outer_Full | NV | 50 | -3.873729 | -0.001107 | PASS |
| N77-345 0-3550 | 30 | 90 | CP-16QAM | M | Outer_Full | NV | -30 | -1.792314 | -0.000512 | PASS |
| N77-345 0-3550 | 30 | 90 | CP-16QAM | M | Outer_Full | NV | -20 | -2.732578 | -0.000781 | PASS |
| N77-345 0-3550 | 30 | 90 | CP-16QAM | M | Outer_Full | NV | -10 | -4.277575 | -0.001222 | PASS |
| N77-345 0-3550 | 30 | 90 | CP-16QAM | M | Outer_Full | NV | 0 | -8.872962 | -0.002535 | PASS |
| N77-345 0-3550 | 30 | 90 | CP-16QAM | M | Outer_Full | NV | 10 | -3.963986 | -0.001133 | PASS |
| N77-345 0-3550 | 30 | 90 | CP-16QAM | M | Outer_Full | NV | 20 | -3.907062 | -0.001116 | PASS |
| N77-345 0-3550 | 30 | 90 | CP-16QAM | M | Outer_Full | NV | 30 | -4.880829 | -0.001395 | PASS |
| N77-345 0-3550 | 30 | 90 | CP-16QAM | M | Outer_Full | NV | 40 | -2.037676 | -0.000582 | PASS |
| N77-345 0-3550 | 30 | 90 | CP-16QAM | M | Outer_Full | NV | 50 | -1.996331 | -0.000570 | PASS |
| N77-345 0-3550 | 30 | 90 | CP-QPSK | H | Outer_Full | NV | -30 | -3.460522 | -0.000987 | PASS |
| N77-345 0-3550 | 30 | 90 | CP-QPSK | H | Outer_Full | NV | -20 | -5.608026 | -0.001600 | PASS |
| N77-345 0-3550 | 30 | 90 | CP-QPSK | H | Outer_Full | NV | -10 | -7.644797 | -0.002181 | PASS |
| N77-345 0-3550 | 30 | 90 | CP-QPSK | H | Outer_Full | NV | 0 | -2.900372 | -0.000827 | PASS |
| N77-345 | 30 | 90 | CP-QPSK | H | Outer_Full | NV | 10 | -3.719197 | -0.001061 | PASS |

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| 0-3550 | | | | | | | | | | |
| N77-345 0-3550 | 30 | 90 | CP-QPSK | H | Outer_Full | NV | 20 | -2.612851 | -0.000745 | PASS |
| N77-345 0-3550 | 30 | 90 | CP-QPSK | H | Outer_Full | NV | 30 | -2.478552 | -0.000707 | PASS |
| N77-345 0-3550 | 30 | 90 | CP-QPSK | H | Outer_Full | NV | 40 | -2.628152 | -0.000750 | PASS |
| N77-345 0-3550 | 30 | 90 | CP-QPSK | H | Outer_Full | NV | 50 | -4.148484 | -0.001184 | PASS |
| N77-345 0-3550 | 30 | 90 | CP-16QAM | H | Outer_Full | NV | -30 | -2.881347 | -0.000822 | PASS |
| N77-345 0-3550 | 30 | 90 | CP-16QAM | H | Outer_Full | NV | -20 | -3.126931 | -0.000892 | PASS |
| N77-345 0-3550 | 30 | 90 | CP-16QAM | H | Outer_Full | NV | -10 | -4.249454 | -0.001212 | PASS |
| N77-345 0-3550 | 30 | 90 | CP-16QAM | H | Outer_Full | NV | 0 | -4.106536 | -0.001172 | PASS |
| N77-345 0-3550 | 30 | 90 | CP-16QAM | H | Outer_Full | NV | 10 | -7.915010 | -0.002258 | PASS |
| N77-345 0-3550 | 30 | 90 | CP-16QAM | H | Outer_Full | NV | 20 | -2.826376 | -0.000806 | PASS |
| N77-345 0-3550 | 30 | 90 | CP-16QAM | H | Outer_Full | NV | 30 | -2.643101 | -0.000754 | PASS |
| N77-345 0-3550 | 30 | 90 | CP-16QAM | H | Outer_Full | NV | 40 | -3.338218 | -0.000952 | PASS |
| N77-345 0-3550 | 30 | 90 | CP-16QAM | H | Outer_Full | NV | 50 | -4.605707 | -0.001314 | PASS |
| N77-345 0-3550 | 30 | 100 | CP-QPSK | L | Outer_Full | NV | -30 | -1.122428 | -0.000321 | PASS |
| N77-345 0-3550 | 30 | 100 | CP-QPSK | L | Outer_Full | NV | -20 | -4.945424 | -0.001413 | PASS |
| N77-345 0-3550 | 30 | 100 | CP-QPSK | L | Outer_Full | NV | -10 | -4.350241 | -0.001243 | PASS |
| N77-345 0-3550 | 30 | 100 | CP-QPSK | L | Outer_Full | NV | 0 | -2.585629 | -0.000739 | PASS |
| N77-345 0-3550 | 30 | 100 | CP-QPSK | L | Outer_Full | NV | 10 | -5.350007 | -0.001529 | PASS |
| N77-345 0-3550 | 30 | 100 | CP-QPSK | L | Outer_Full | NV | 20 | -4.604987 | -0.001316 | PASS |
| N77-345 0-3550 | 30 | 100 | CP-QPSK | L | Outer_Full | NV | 30 | -4.257800 | -0.001217 | PASS |
| N77-345 | 30 | 100 | CP-QPSK | L | Outer_Full | NV | 40 | -5.377842 | -0.001537 | PASS |

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| 0-3550 | | | | | | | | | | |
| N77-345 0-3550 | 30 | 100 | CP-QPSK | L | Outer_Full | NV | 50 | -4.630896 | -0.001323 | PASS |
| N77-345 0-3550 | 30 | 100 | CP-16QAM | L | Outer_Full | NV | -30 | -2.741022 | -0.000783 | PASS |
| N77-345 0-3550 | 30 | 100 | CP-16QAM | L | Outer_Full | NV | -20 | -6.076996 | -0.001736 | PASS |
| N77-345 0-3550 | 30 | 100 | CP-16QAM | L | Outer_Full | NV | -10 | -2.232924 | -0.000638 | PASS |
| N77-345 0-3550 | 30 | 100 | CP-16QAM | L | Outer_Full | NV | 0 | -2.236677 | -0.000639 | PASS |
| N77-345 0-3550 | 30 | 100 | CP-16QAM | L | Outer_Full | NV | 10 | -3.667732 | -0.001048 | PASS |
| N77-345 0-3550 | 30 | 100 | CP-16QAM | L | Outer_Full | NV | 20 | -3.562972 | -0.001018 | PASS |
| N77-345 0-3550 | 30 | 100 | CP-16QAM | L | Outer_Full | NV | 30 | -2.752313 | -0.000786 | PASS |
| N77-345 0-3550 | 30 | 100 | CP-16QAM | L | Outer_Full | NV | 40 | -4.145597 | -0.001184 | PASS |
| N77-345 0-3550 | 30 | 100 | CP-16QAM | L | Outer_Full | NV | 50 | -6.612005 | -0.001889 | PASS |
| N77-345 0-3550 | 30 | 100 | CP-QPSK | M | Outer_Full | NV | -30 | -6.346190 | -0.001813 | PASS |
| N77-345 0-3550 | 30 | 100 | CP-QPSK | M | Outer_Full | NV | -20 | -2.119945 | -0.000606 | PASS |
| N77-345 0-3550 | 30 | 100 | CP-QPSK | M | Outer_Full | NV | -10 | -3.163120 | -0.000904 | PASS |
| N77-345 0-3550 | 30 | 100 | CP-QPSK | M | Outer_Full | NV | 0 | -5.371805 | -0.001535 | PASS |
| N77-345 0-3550 | 30 | 100 | CP-QPSK | M | Outer_Full | NV | 10 | -4.423172 | -0.001264 | PASS |
| N77-345 0-3550 | 30 | 100 | CP-QPSK | M | Outer_Full | NV | 20 | -8.627716 | -0.002465 | PASS |
| N77-345 0-3550 | 30 | 100 | CP-QPSK | M | Outer_Full | NV | 30 | -4.736405 | -0.001353 | PASS |
| N77-345 0-3550 | 30 | 100 | CP-QPSK | M | Outer_Full | NV | 40 | -5.487776 | -0.001568 | PASS |
| N77-345 0-3550 | 30 | 100 | CP-QPSK | M | Outer_Full | NV | 50 | -5.980155 | -0.001709 | PASS |
| N77-345 0-3550 | 30 | 100 | CP-16QAM | M | Outer_Full | NV | -30 | -5.215755 | -0.001490 | PASS |
| N77-345 | 30 | 100 | CP-16QAM | M | Outer_Full | NV | -20 | -4.599847 | -0.001314 | PASS |

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| 0-3550 | | | | | | | | | | |
| N77-345 0-3550 | 30 | 100 | CP-16QAM | M | Outer_Full | NV | -10 | -2.480904 | -0.000709 | PASS |
| N77-345 0-3550 | 30 | 100 | CP-16QAM | M | Outer_Full | NV | 0 | -2.654063 | -0.000758 | PASS |
| N77-345 0-3550 | 30 | 100 | CP-16QAM | M | Outer_Full | NV | 10 | -3.544937 | -0.001013 | PASS |
| N77-345 0-3550 | 30 | 100 | CP-16QAM | M | Outer_Full | NV | 20 | -3.290198 | -0.000940 | PASS |
| N77-345 0-3550 | 30 | 100 | CP-16QAM | M | Outer_Full | NV | 30 | 0.295606 | 0.000084 | PASS |
| N77-345 0-3550 | 30 | 100 | CP-16QAM | M | Outer_Full | NV | 40 | -4.576638 | -0.001308 | PASS |
| N77-345 0-3550 | 30 | 100 | CP-16QAM | M | Outer_Full | NV | 50 | 2.109372 | 0.000603 | PASS |
| N77-345 0-3550 | 30 | 100 | CP-QPSK | H | Outer_Full | NV | -30 | -10.318207 | -0.002948 | PASS |
| N77-345 0-3550 | 30 | 100 | CP-QPSK | H | Outer_Full | NV | -20 | -2.685068 | -0.000767 | PASS |
| N77-345 0-3550 | 30 | 100 | CP-QPSK | H | Outer_Full | NV | -10 | -0.990354 | -0.000283 | PASS |
| N77-345 0-3550 | 30 | 100 | CP-QPSK | H | Outer_Full | NV | 0 | -5.075295 | -0.001450 | PASS |
| N77-345 0-3550 | 30 | 100 | CP-QPSK | H | Outer_Full | NV | 10 | -0.909378 | -0.000260 | PASS |
| N77-345 0-3550 | 30 | 100 | CP-QPSK | H | Outer_Full | NV | 20 | -3.332225 | -0.000952 | PASS |
| N77-345 0-3550 | 30 | 100 | CP-QPSK | H | Outer_Full | NV | 30 | -1.427978 | -0.000408 | PASS |
| N77-345 0-3550 | 30 | 100 | CP-QPSK | H | Outer_Full | NV | 40 | -6.298568 | -0.001800 | PASS |
| N77-345 0-3550 | 30 | 100 | CP-QPSK | H | Outer_Full | NV | 50 | -7.300295 | -0.002086 | PASS |
| N77-345 0-3550 | 30 | 100 | CP-16QAM | H | Outer_Full | NV | -30 | -6.064981 | -0.001733 | PASS |
| N77-345 0-3550 | 30 | 100 | CP-16QAM | H | Outer_Full | NV | -20 | -4.502060 | -0.001286 | PASS |
| N77-345 0-3550 | 30 | 100 | CP-16QAM | H | Outer_Full | NV | -10 | -3.841768 | -0.001098 | PASS |
| N77-345 0-3550 | 30 | 100 | CP-16QAM | H | Outer_Full | NV | 0 | -7.431816 | -0.002123 | PASS |
| N77-345 | 30 | 100 | CP-16QAM | H | Outer_Full | NV | 10 | -3.891545 | -0.001112 | PASS |

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| 0-3550 | | | | | | | | | | |
| N77-345 0-3550 | 30 | 100 | CP-16QAM | H | Outer_Full | NV | 20 | -4.621348 | -0.001320 | PASS |
| N77-345 0-3550 | 30 | 100 | CP-16QAM | H | Outer_Full | NV | 30 | -0.958313 | -0.000274 | PASS |
| N77-345 0-3550 | 30 | 100 | CP-16QAM | H | Outer_Full | NV | 40 | -3.203801 | -0.000915 | PASS |
| N77-345 0-3550 | 30 | 100 | CP-16QAM | H | Outer_Full | NV | 50 | -1.738480 | -0.000497 | PASS |