Occupied Bandwidth	**Total Power** 30.7 dBm
64.134 MHz	
Transmit Freq Error −1.6913 MHz	OBW Power 99.00 %
x dB Bandwidth 66.71 MHz	x dB −26.00 dB

NTNV-n77(3450-3550)-PC2-30-70-L-DFT-256QAM-Outer_Full-Ant1-PASS

Occupied Bandwidth	**Total Power** 32.3 dBm
67.441 MHz	
Transmit Freq Error −67.693 kHz	OBW Power 99.00 %
x dB Bandwidth 70.27 MHz	x dB −26.00 dB

NTNV-n77(3450-3550)-PC2-30-70-L-CP-QPSK-Outer_Full-Ant1-PASS

Occupied Bandwidth	**Total Power** 32.2 dBm
67.344 MHz	
Transmit Freq Error −44.648 kHz	OBW Power 99.00 %
x dB Bandwidth 70.15 MHz	x dB −26.00 dB

NTNV-n77(3450-3550)-PC2-30-70-L-CP-16QAM-Outer_Full-Ant1-PASS

Occupied Bandwidth	**Total Power** 31.8 dBm
67.343 MHz	
Transmit Freq Error −15.574 kHz	OBW Power 99.00 %
x dB Bandwidth 69.86 MHz	x dB −26.00 dB

NTNV-n77(3450-3550)-PC2-30-70-L-CP-64QAM-Outer_Full-Ant1-PASS

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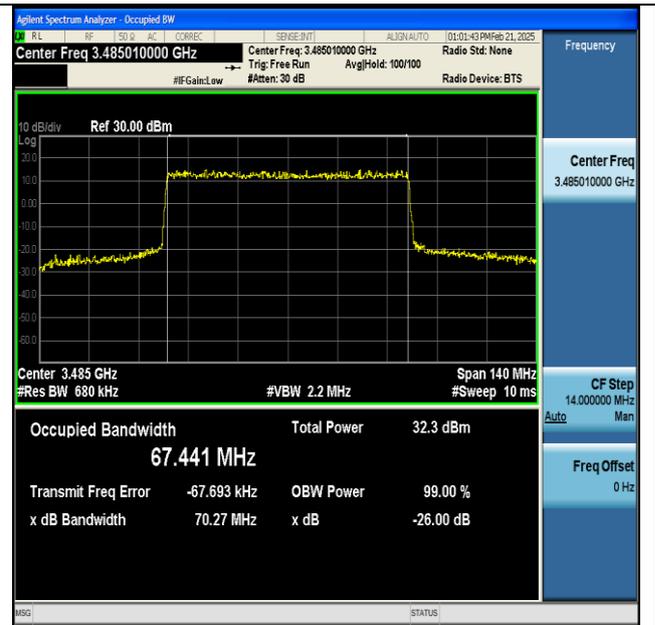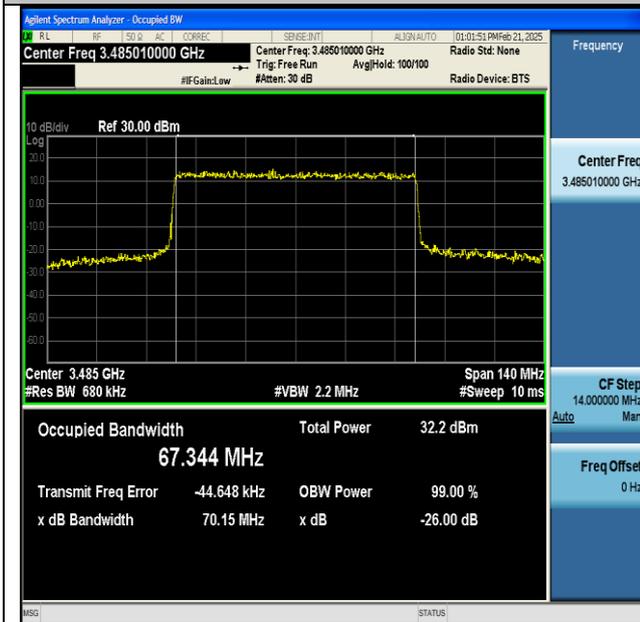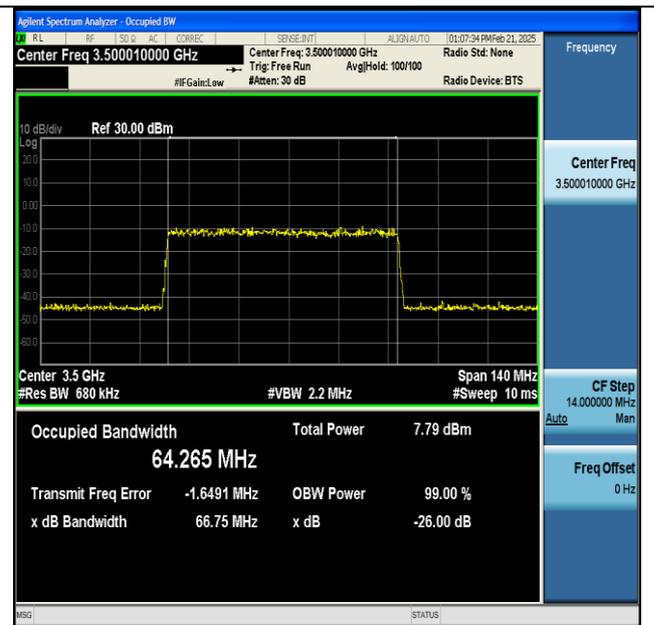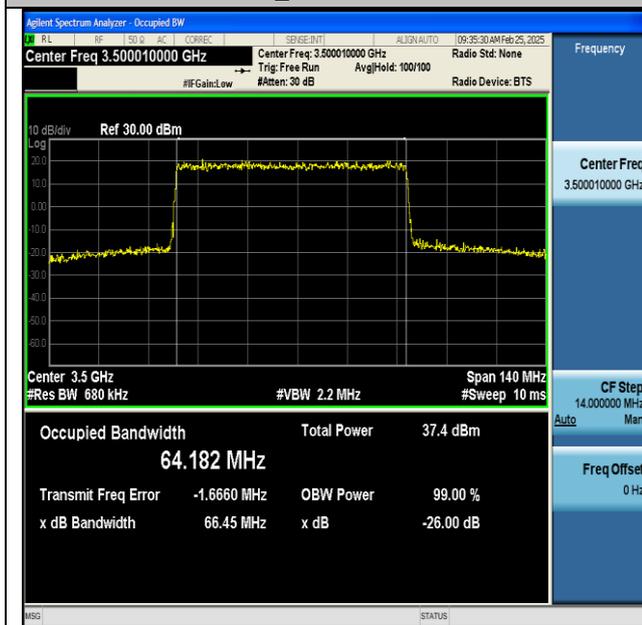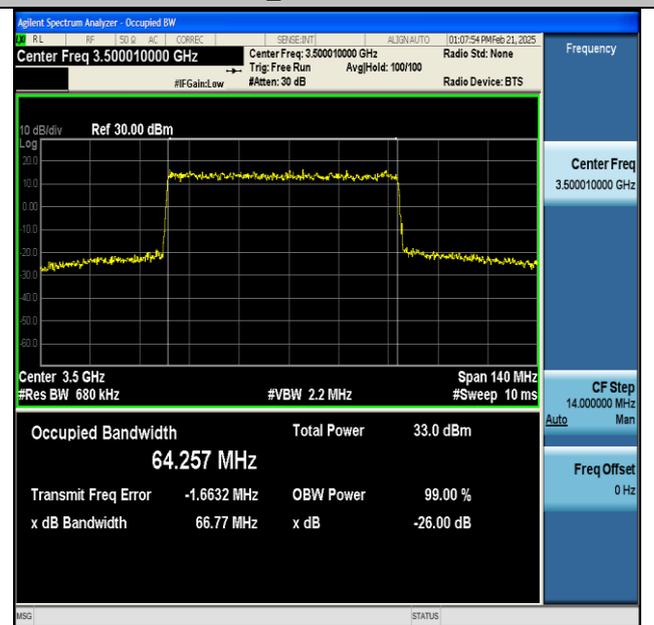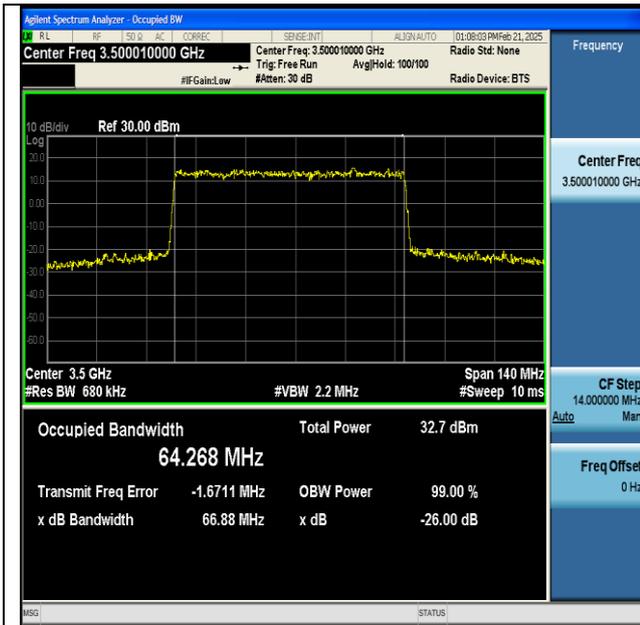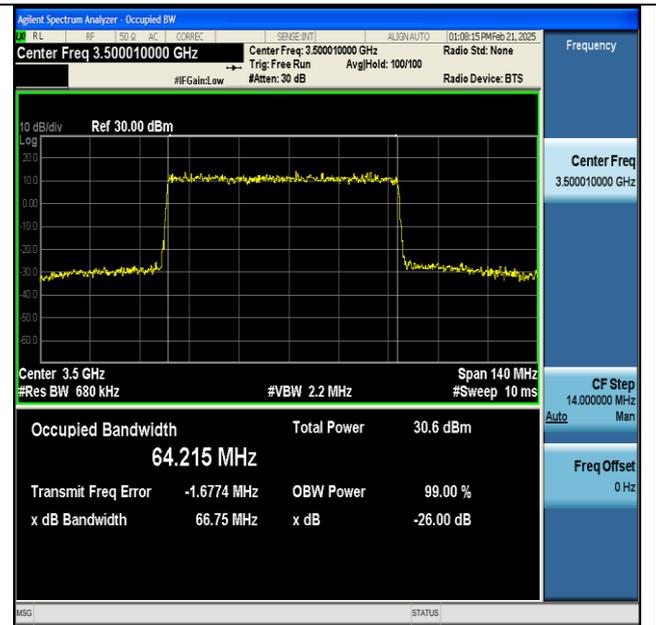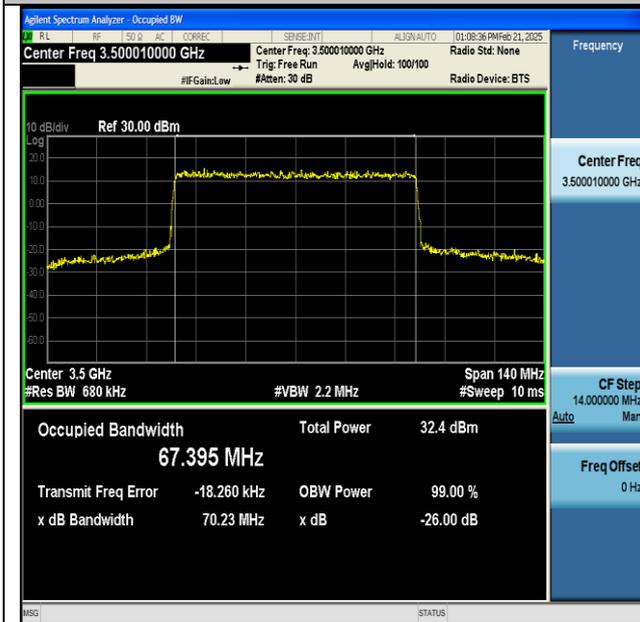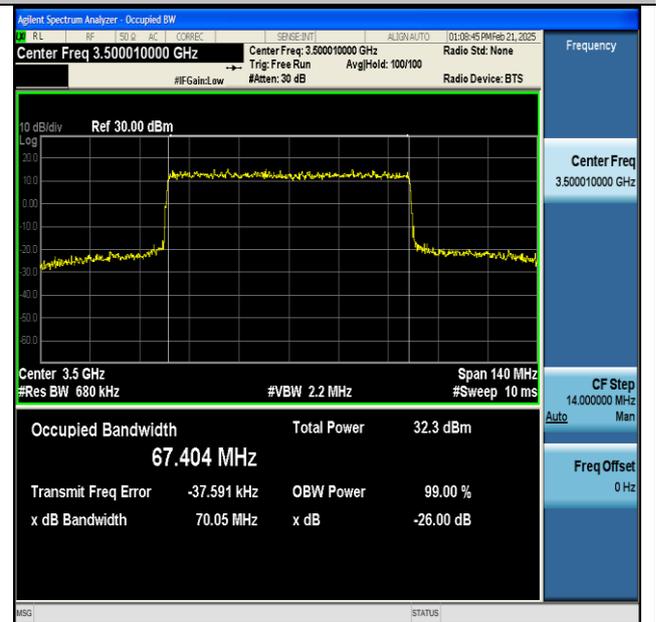|	
NTNV-n77(3450-3550)-PC2-30-70-L-CP-256QAM-Outer_Full-Ant1-PASS	NTNV-n77(3450-3550)-PC2-30-70-M-DFT-BPSK-Outer_Full-Ant1-PASS
NTNV-n77(3450-3550)-PC2-30-70-M-DFT-QPSK-Outer_Full-Ant1-PASS	NTNV-n77(3450-3550)-PC2-30-70-M-DFT-16QAM-Outer_Full-Ant1-PASS

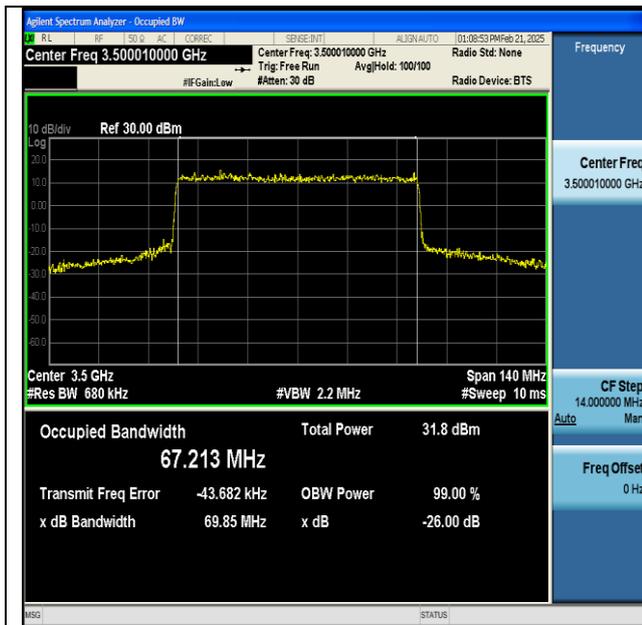NTNV-n77(3450-3550)-PC2-30-70-M-DFT-64QAM-Outer_Full-Ant1-PASS

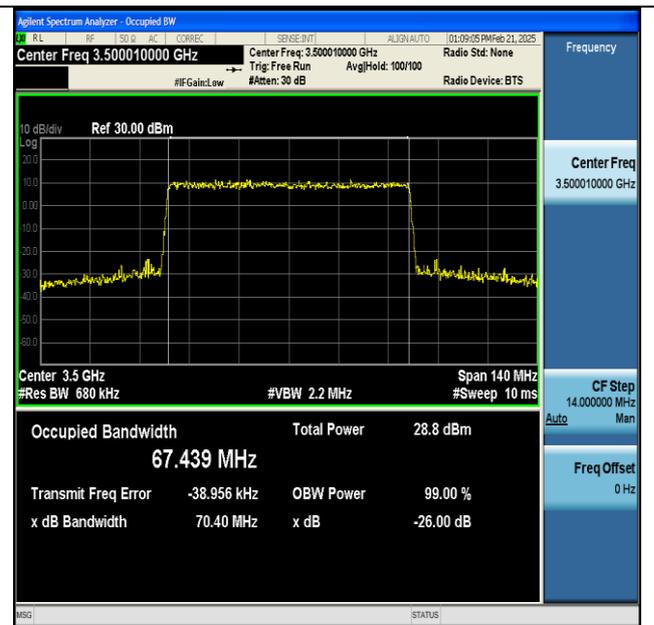NTNV-n77(3450-3550)-PC2-30-70-M-DFT-256QAM-Outer_Full-Ant1-PASS

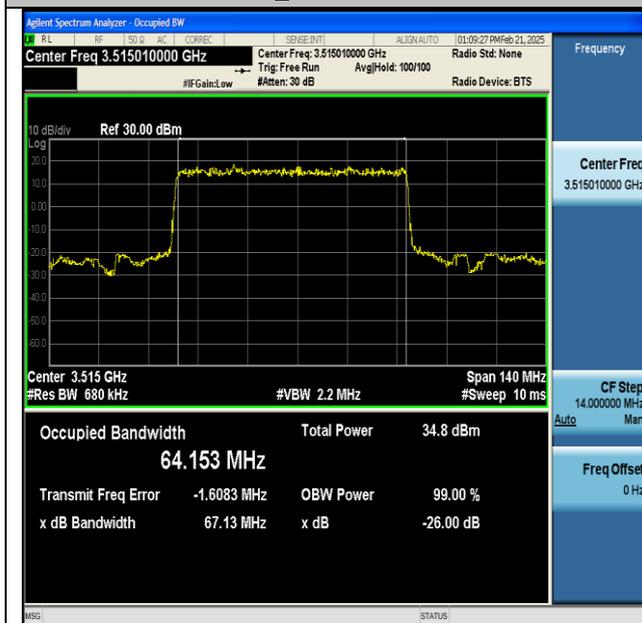NTNV-n77(3450-3550)-PC2-30-70-M-CP-QPSK-Outer_Full-Ant1-PASS

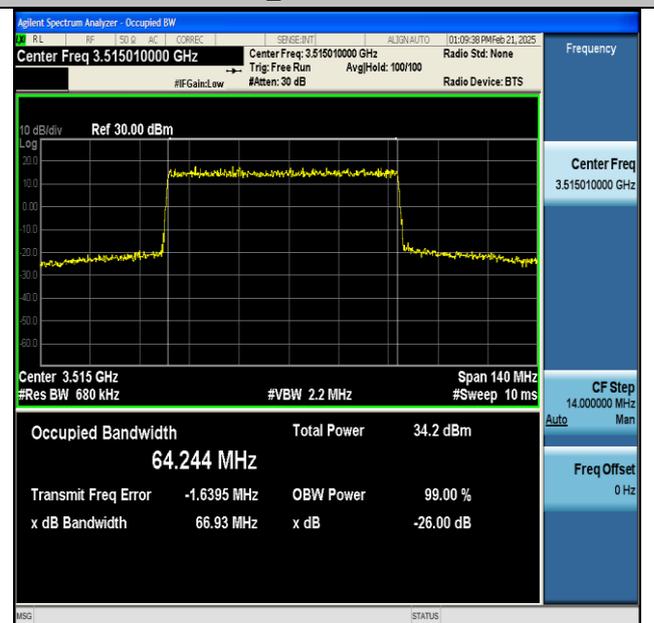NTNV-n77(3450-3550)-PC2-30-70-M-CP-16QAM-Outer_Full-Ant1-PASS

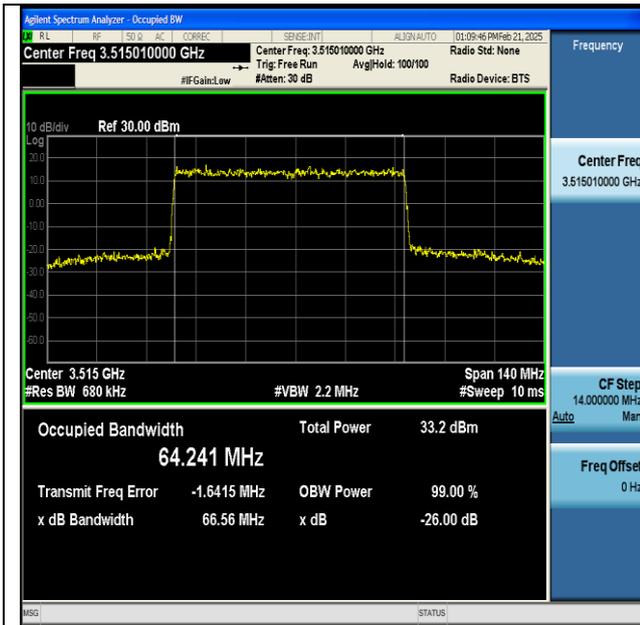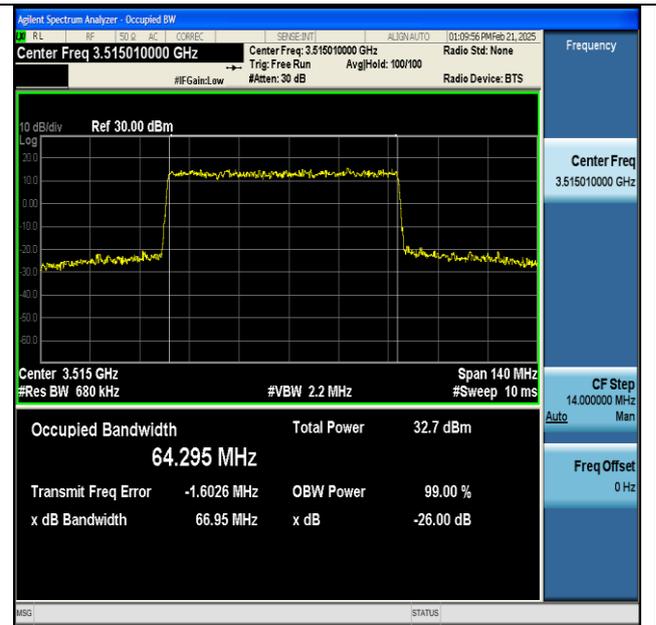|	
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NTNV-n77(3450-3550)-PC2-30-70-H-DFT-BPSK-Outer_Full-Ant1-PASS	NTNV-n77(3450-3550)-PC2-30-70-H-DFT-QPSK-Outer_Full-Ant1-PASS

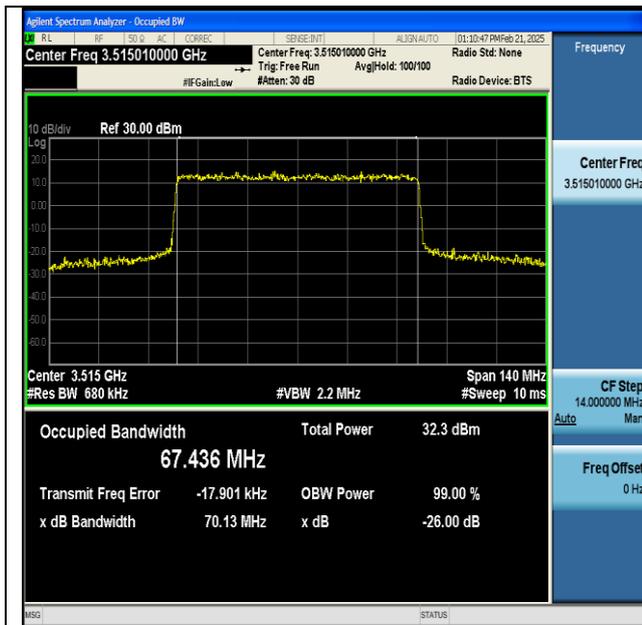| NTNV-n77(3450-3550)-PC2-30-70-H-DFT-16QAM-Outer_Full-Ant1-PASS	NTNV-n77(3450-3550)-PC2-30-70-H-DFT-64QAM-Outer_Full-Ant1-PASS

NTNV-n77(3450-3550)-PC2-30-70-H-DFT-256QAM-Outer_Full-Ant1-PASS	NTNV-n77(3450-3550)-PC2-30-70-H-CP-QPSK-Outer_Full-Ant1-PASS

NTNV-n77(3450-3550)-PC2-30-70-H-CP-16QAM-Outer_Full-Ant1-PASS	NTNV-n77(3450-3550)-PC2-30-70-H-CP-64QAM-Outer_Full-Ant1-PASS
NTNV-n77(3450-3550)-PC2-30-70-H-CP-256QAM-Outer_Full-Ant1-PASS	NTNV-n77(3450-3550)-PC2-30-80-L-DFT-BPSK-Outer_Full-Ant1-PASS

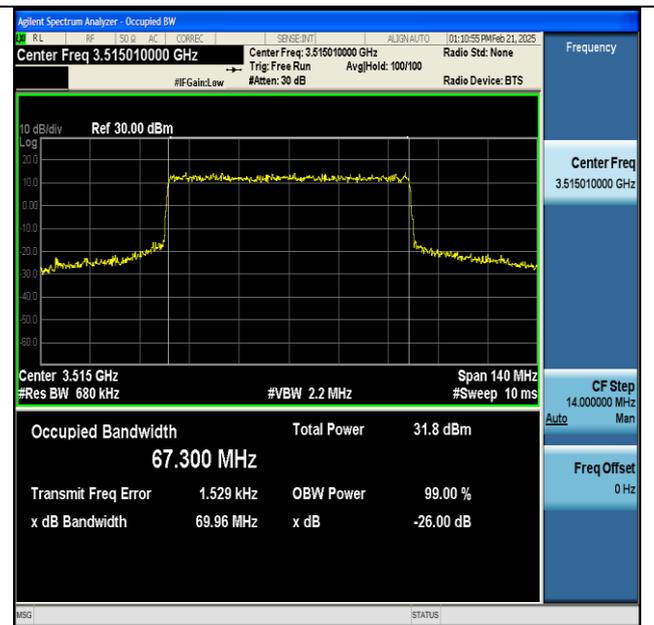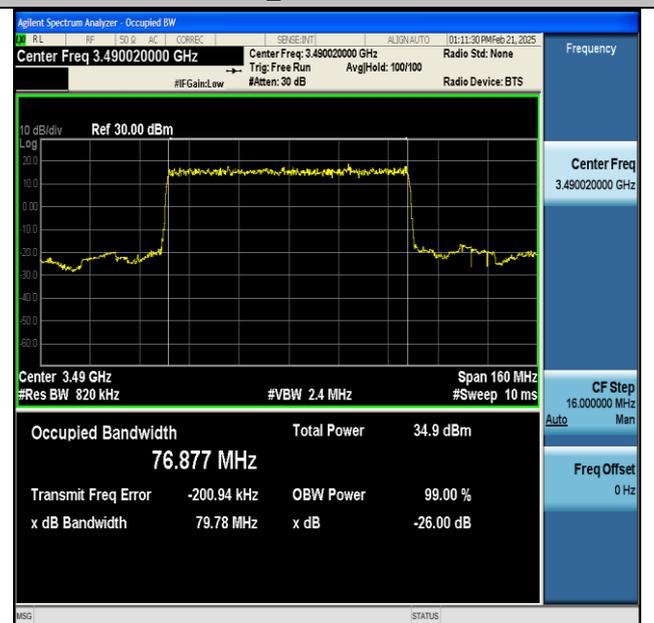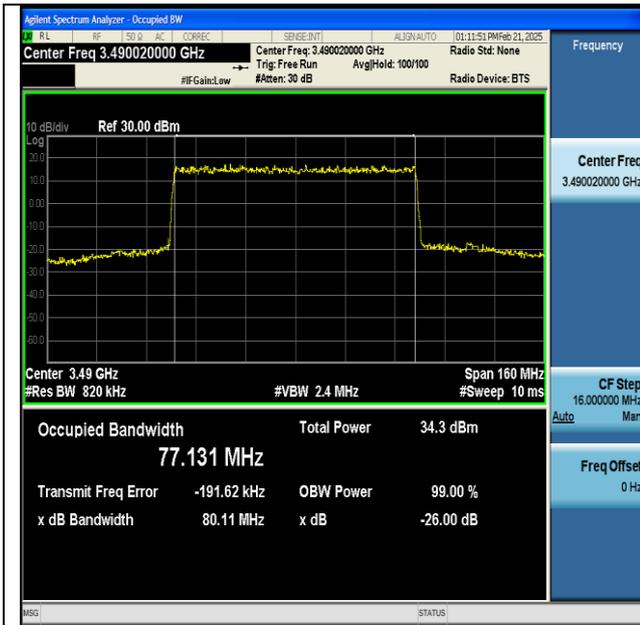|	
NTNV-n77(3450-3550)-PC2-30-80-L-DFT-QPSK-Outer_Full-Ant1-PASS	NTNV-n77(3450-3550)-PC2-30-80-L-DFT-16QAM-Outer_Full-Ant1-PASS
NTNV-n77(3450-3550)-PC2-30-80-L-DFT-64QAM-Outer_Full-Ant1-PASS	NTNV-n77(3450-3550)-PC2-30-80-L-DFT-256QAM-Outer_Full-Ant1-PASS

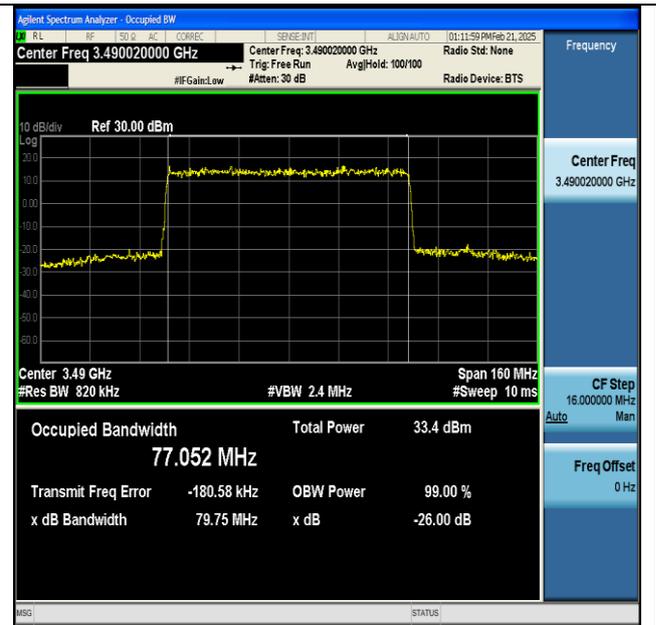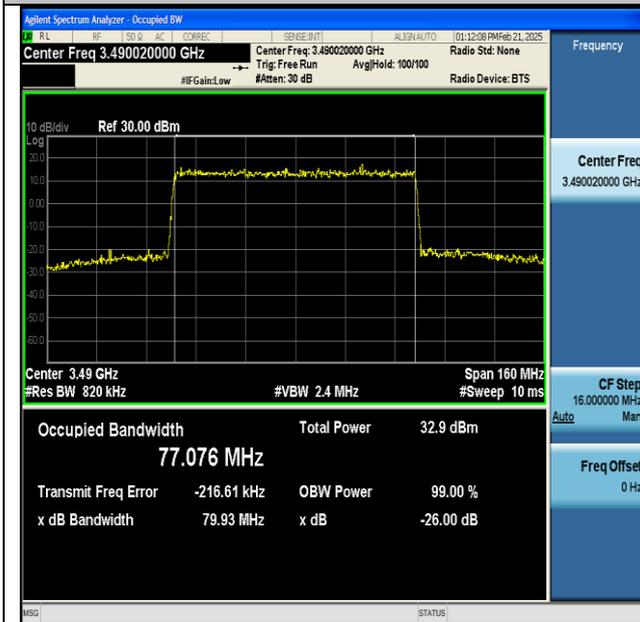|	
Occupied Bandwidth	**Occupied Bandwidth**
77.185 MHz	77.122 MHz
Total Power: 34.4 dBm	Total Power: 33.4 dBm
Transmit Freq Error: -163.99 kHz	Transmit Freq Error: -226.64 kHz
OBW Power: 99.00 %	OBW Power: 99.00 %
x dB Bandwidth: 80.11 MHz, x dB: -26.00 dB	x dB Bandwidth: 79.75 MHz, x dB: -26.00 dB
NTNV-n77(3450-3550)-PC2-30-80-L-CP-QPSK-Outer_Full-Ant1-PASS	NTNV-n77(3450-3550)-PC2-30-80-L-CP-16QAM-Outer_Full-Ant1-PASS
Occupied Bandwidth	**Occupied Bandwidth**
77.477 MHz	77.325 MHz
Total Power: 31.9 dBm	Total Power: 29.0 dBm
Transmit Freq Error: -33.986 kHz	Transmit Freq Error: -12.526 kHz
OBW Power: 99.00 %	OBW Power: 99.00 %
x dB Bandwidth: 80.38 MHz, x dB: -26.00 dB	x dB Bandwidth: 80.38 MHz, x dB: -26.00 dB
NTNV-n77(3450-3550)-PC2-30-80-L-CP-64QAM-Outer_Full-Ant1-PASS	NTNV-n77(3450-3550)-PC2-30-80-L-CP-256QAM-Outer_Full-Ant1-PASS

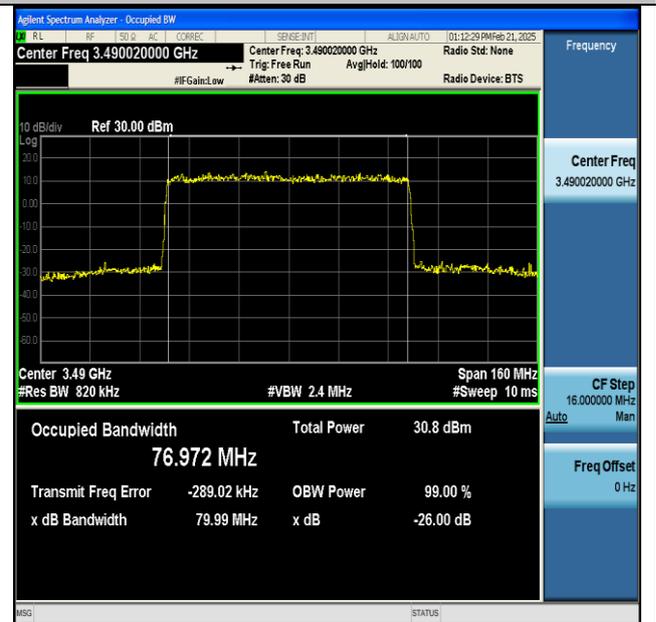NTNV-n77(3450-3550)-PC2-30-80-M-DFT-BPSK-Outer_Full-Ant1-PASS

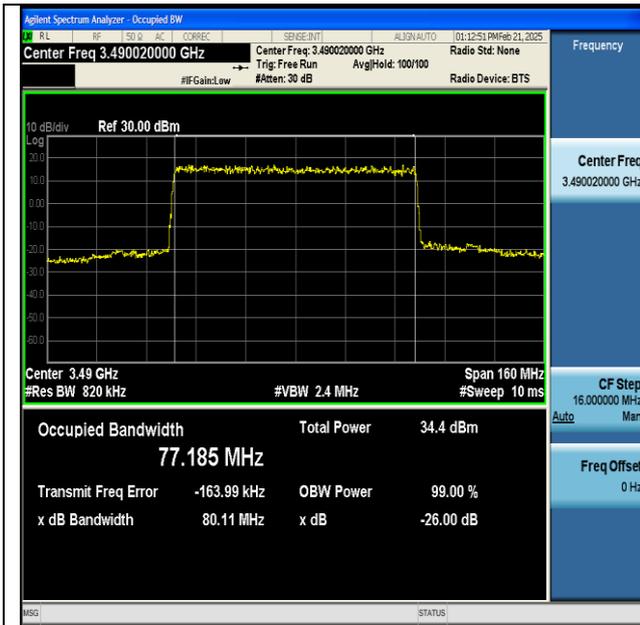NTNV-n77(3450-3550)-PC2-30-80-M-DFT-QPSK-Outer_Full-Ant1-PASS

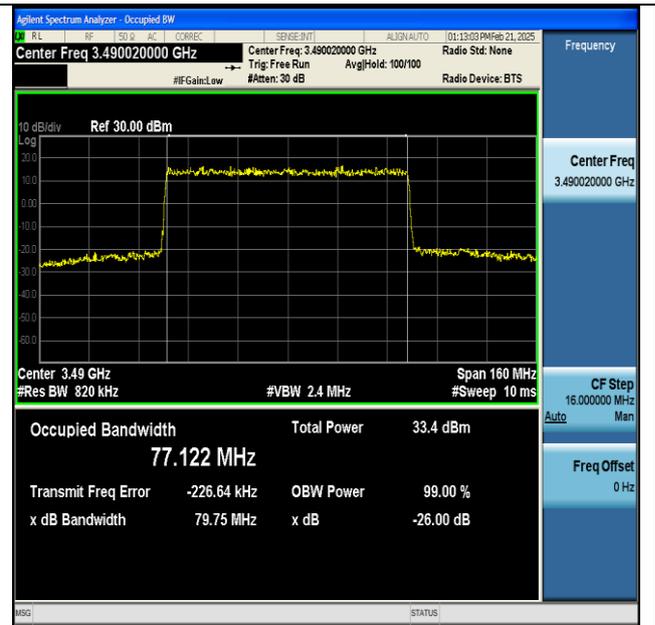NTNV-n77(3450-3550)-PC2-30-80-M-DFT-16QAM-Outer_Full-Ant1-PASS

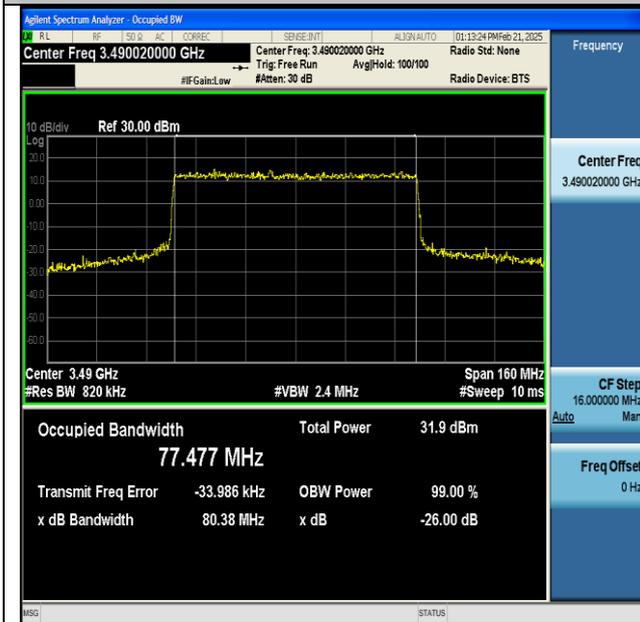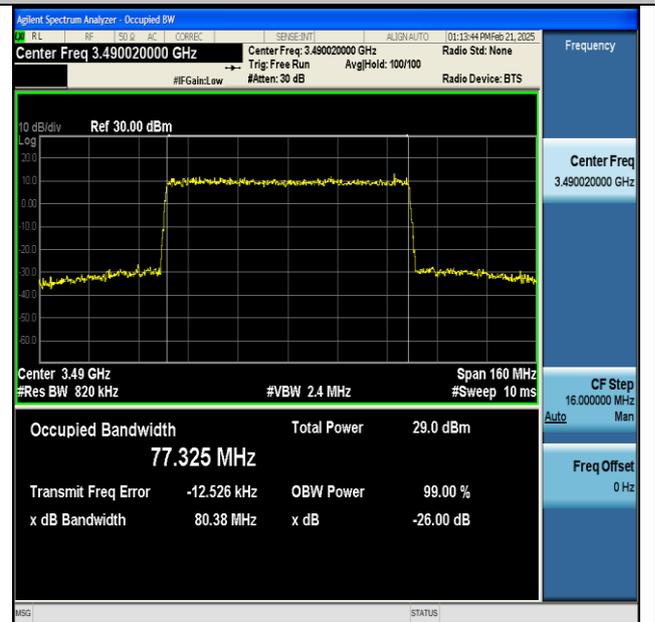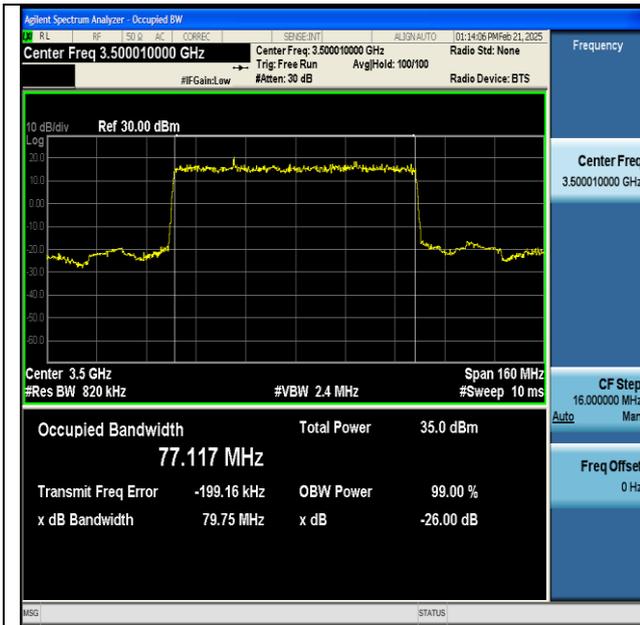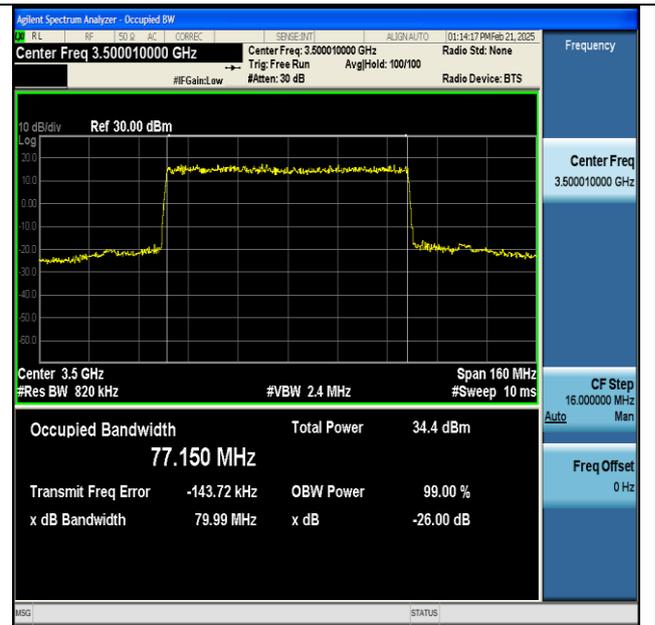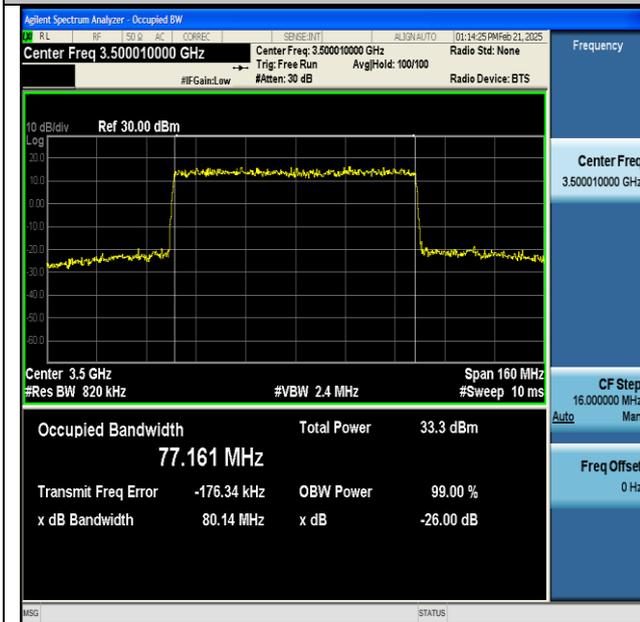NTNV-n77(3450-3550)-PC2-30-80-M-DFT-64QAM-Outer_Full-Ant1-PASS

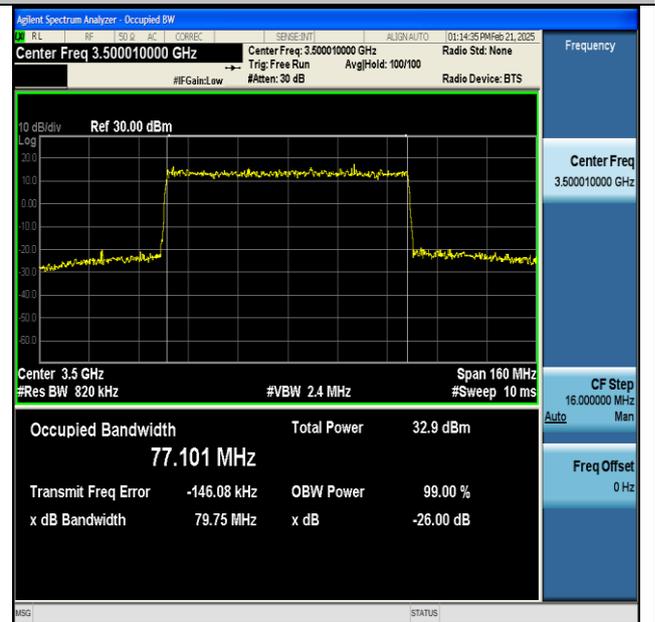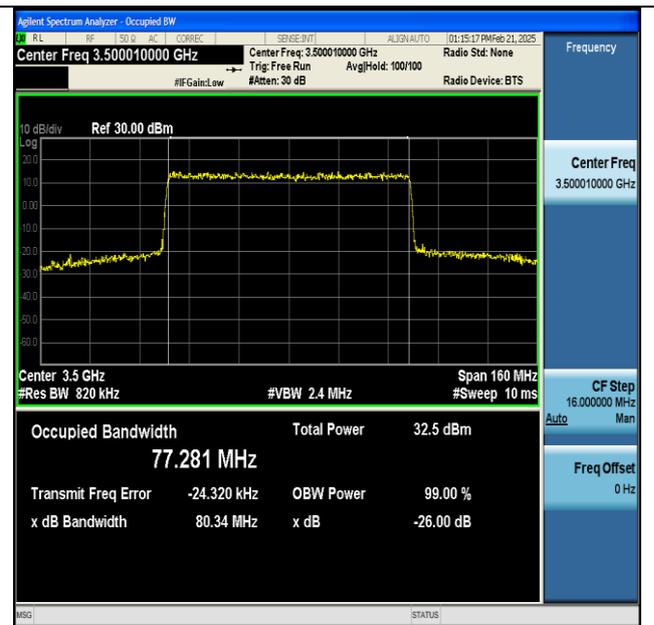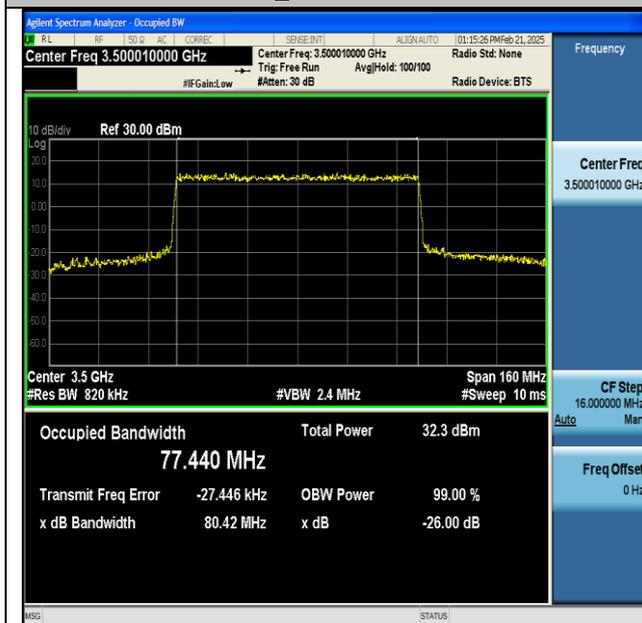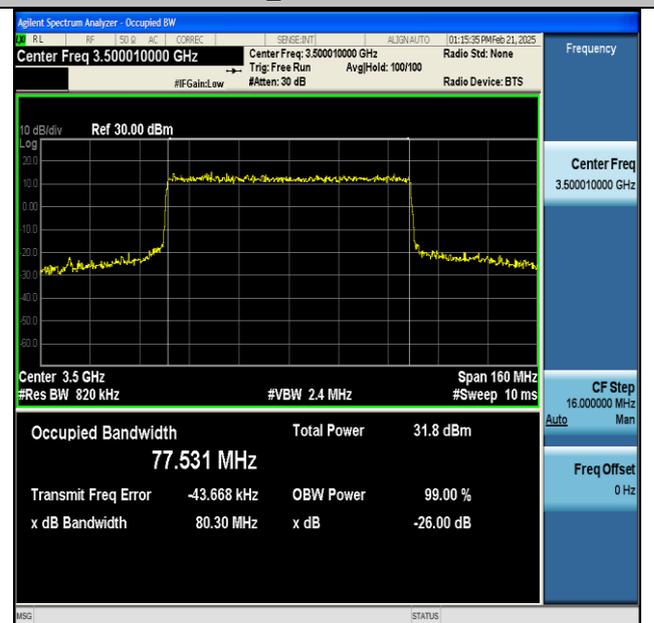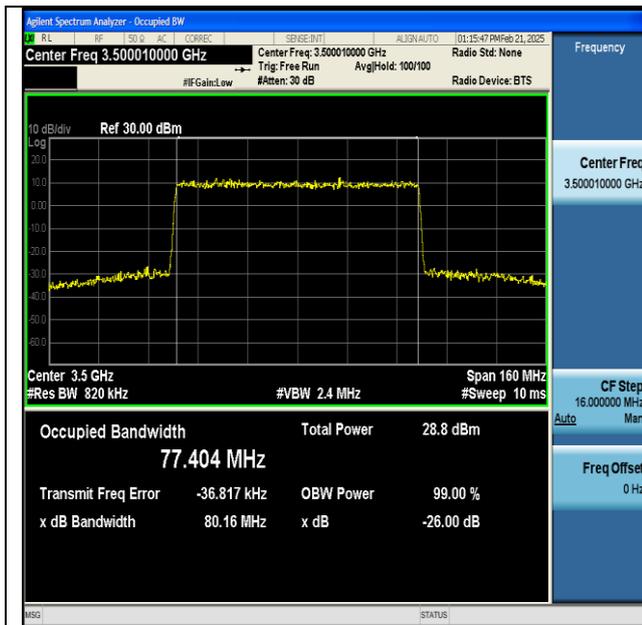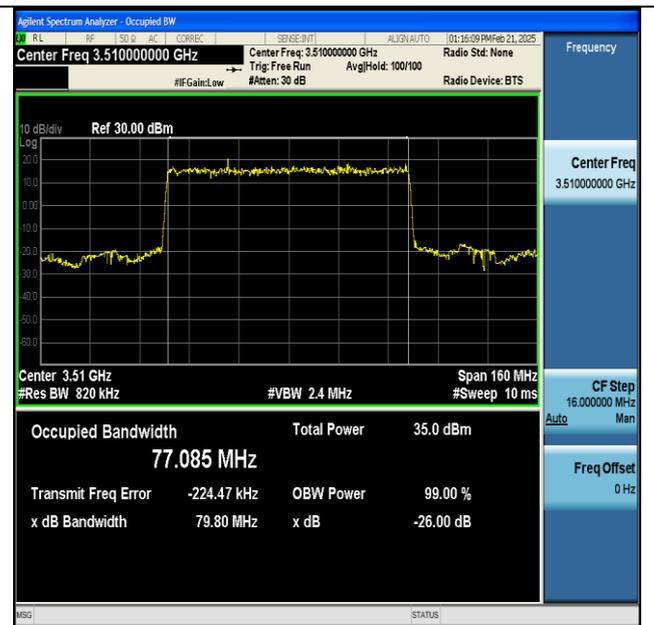|	
NTNV-n77(3450-3550)-PC2-30-80-M-DFT-256QAM-Outer_Full-Ant1-PASS	NTNV-n77(3450-3550)-PC2-30-80-M-CP-QPSK-Outer_Full-Ant1-PASS
NTNV-n77(3450-3550)-PC2-30-80-M-CP-16QAM-Outer_Full-Ant1-PASS	NTNV-n77(3450-3550)-PC2-30-80-M-CP-64QAM-Outer_Full-Ant1-PASS

Occupied Bandwidth 77.404 MHz Total Power 28.8 dBm Transmit Freq Error -36.817 kHz OBW Power 99.00 % x dB Bandwidth 80.16 MHz x dB -26.00 dB	**Occupied Bandwidth** 77.085 MHz Total Power 35.0 dBm Transmit Freq Error -224.47 kHz OBW Power 99.00 % x dB Bandwidth 79.80 MHz x dB -26.00 dB
NTNV-n77(3450-3550)-PC2-30-80-M-CP-256QAM-Outer_Full-Ant1-PASS	NTNV-n77(3450-3550)-PC2-30-80-H-DFT-BPSK-Outer_Full-Ant1-PASS
Occupied Bandwidth 77.139 MHz Total Power 34.3 dBm Transmit Freq Error -126.45 kHz OBW Power 99.00 % x dB Bandwidth 80.11 MHz x dB -26.00 dB	**Occupied Bandwidth** 77.115 MHz Total Power 33.3 dBm Transmit Freq Error -164.59 kHz OBW Power 99.00 % x dB Bandwidth 80.12 MHz x dB -26.00 dB
NTNV-n77(3450-3550)-PC2-30-80-H-DFT-QPSK-Outer_Full-Ant1-PASS	NTNV-n77(3450-3550)-PC2-30-80-H-DFT-16QAM-Outer_Full-Ant1-PASS

Occupied Bandwidth	Total Power 32.8 dBm
76.993 MHz	
Transmit Freq Error -190.57 kHz	OBW Power 99.00 %
x dB Bandwidth 79.98 MHz	x dB -26.00 dB

NTNV-n77(3450-3550)-PC2-30-80-H-DFT-64QAM-Outer_Full-Ant1-PASS

Occupied Bandwidth	Total Power 30.8 dBm
77.087 MHz	
Transmit Freq Error -219.56 kHz	OBW Power 99.00 %
x dB Bandwidth 79.94 MHz	x dB -26.00 dB

NTNV-n77(3450-3550)-PC2-30-80-H-DFT-256QAM-Outer_Full-Ant1-PASS

Occupied Bandwidth	Total Power 34.4 dBm
77.037 MHz	
Transmit Freq Error -230.67 kHz	OBW Power 99.00 %
x dB Bandwidth 80.17 MHz	x dB -26.00 dB

NTNV-n77(3450-3550)-PC2-30-80-H-CP-QPSK-Outer_Full-Ant1-PASS

Occupied Bandwidth	Total Power 32.3 dBm
77.357 MHz	
Transmit Freq Error -37.483 kHz	OBW Power 99.00 %
x dB Bandwidth 80.34 MHz	x dB -26.00 dB

NTNV-n77(3450-3550)-PC2-30-80-H-CP-16QAM-Outer_Full-Ant1-PASS
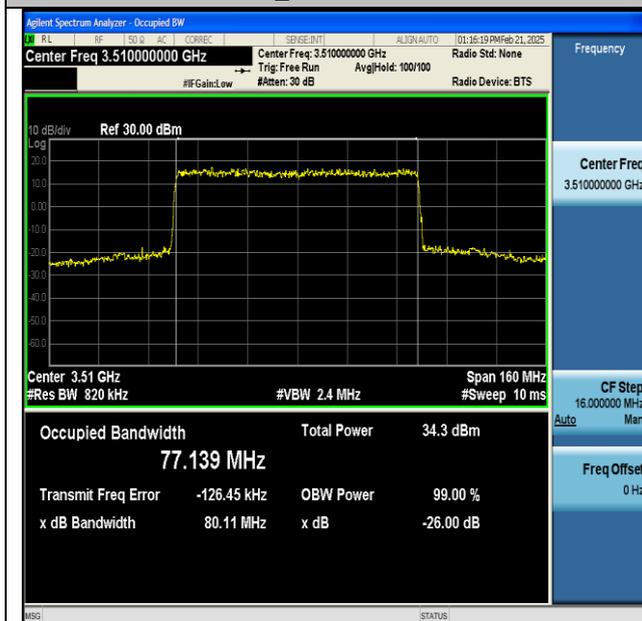
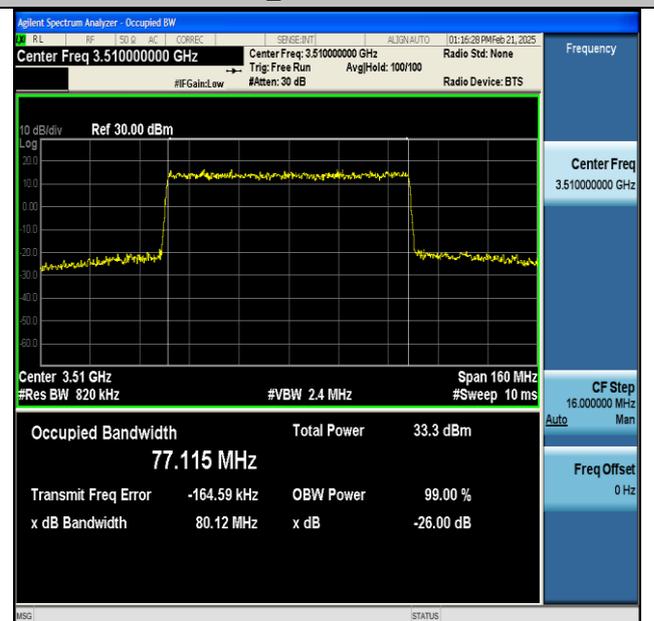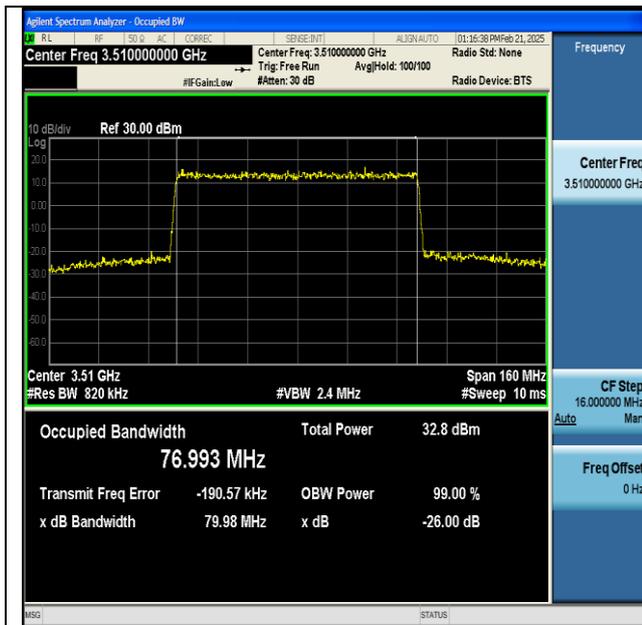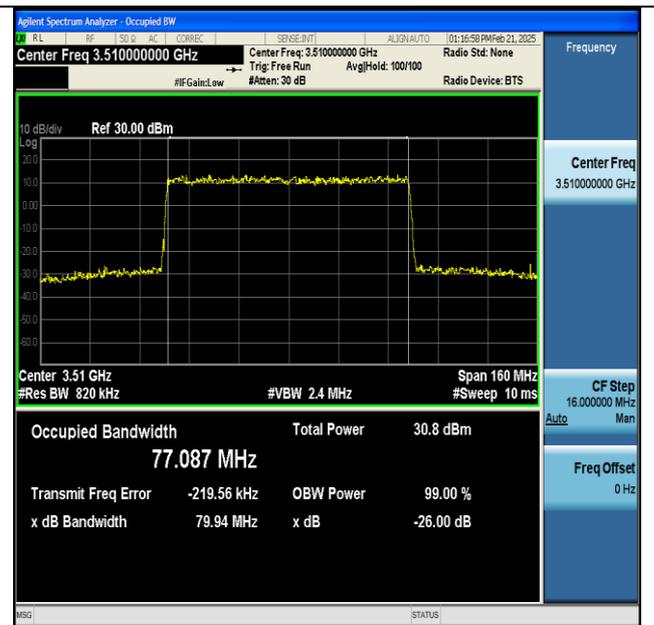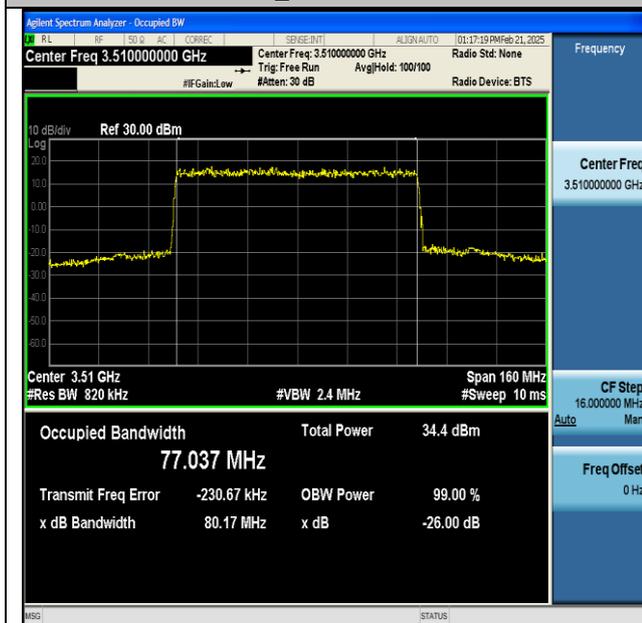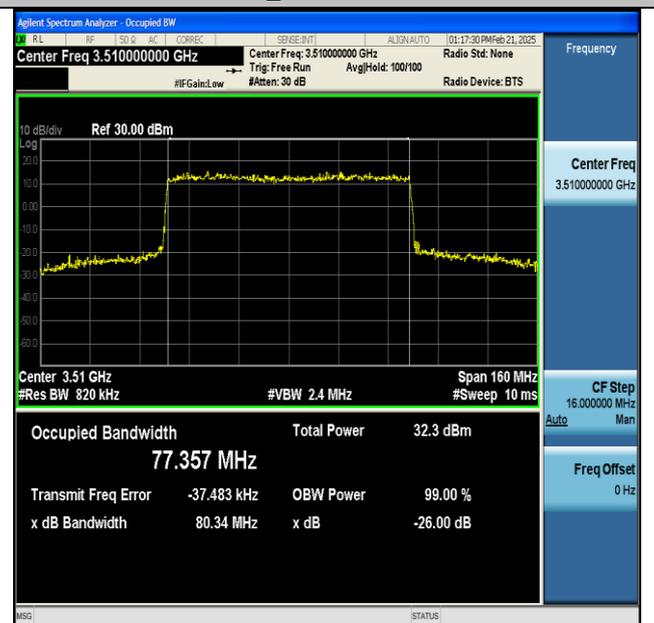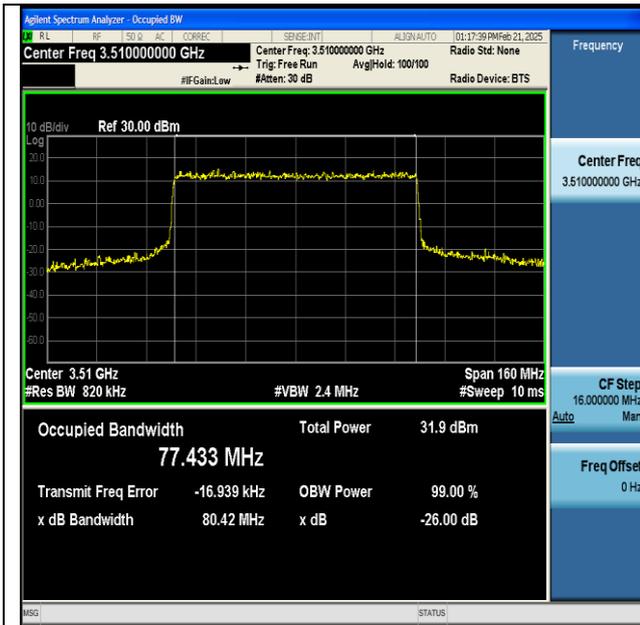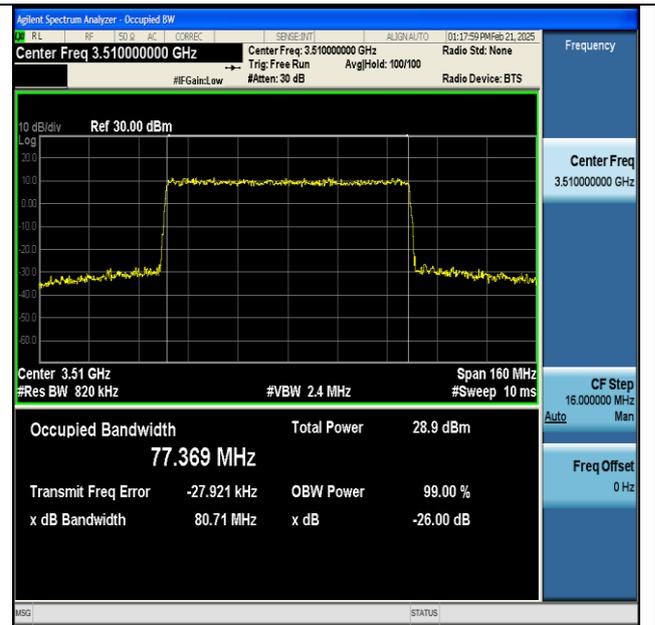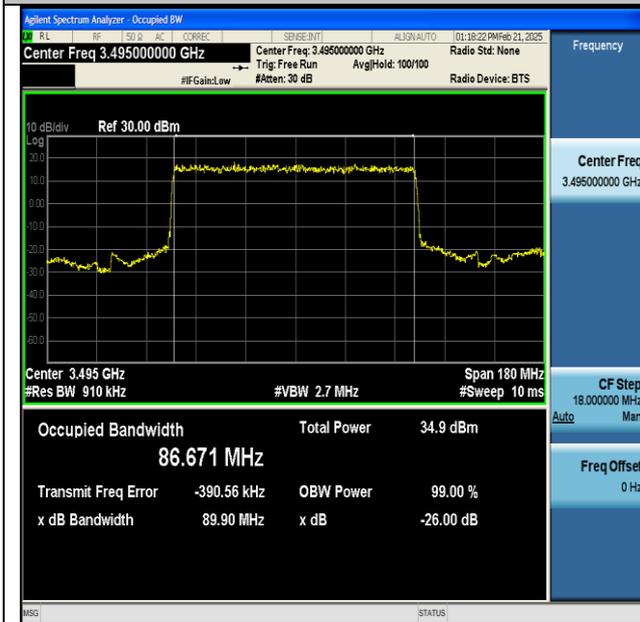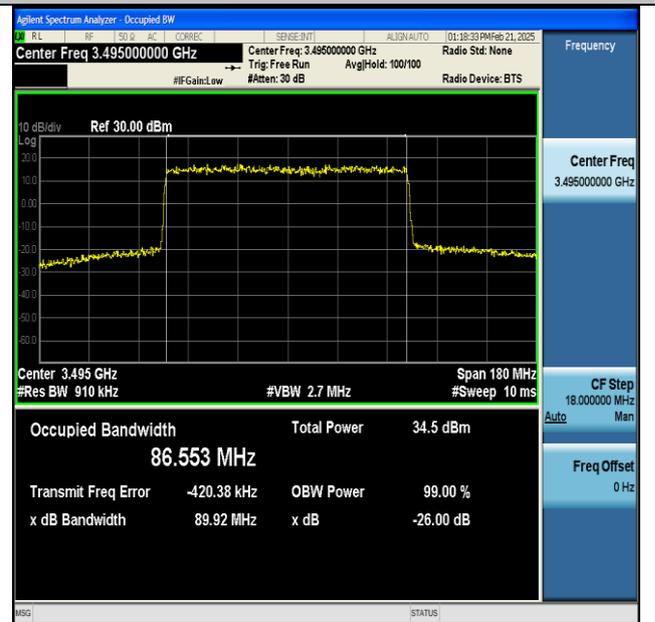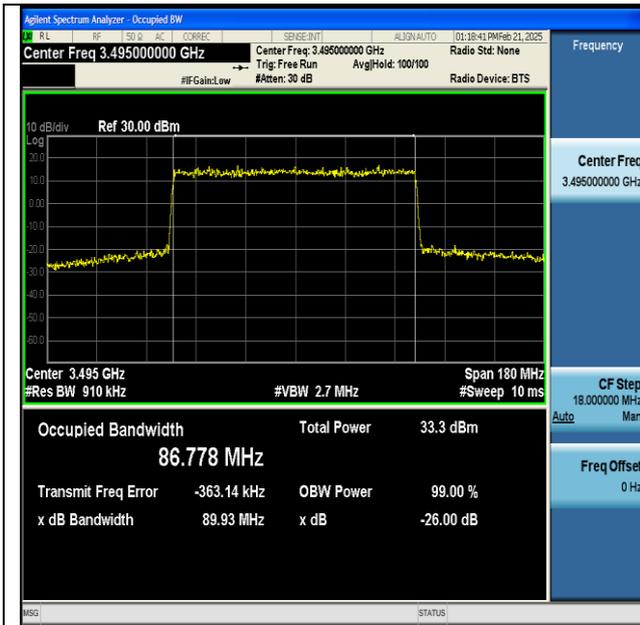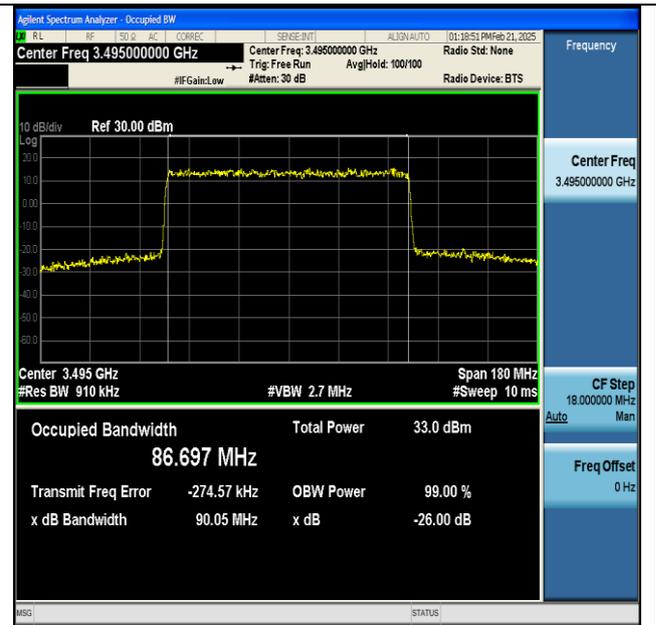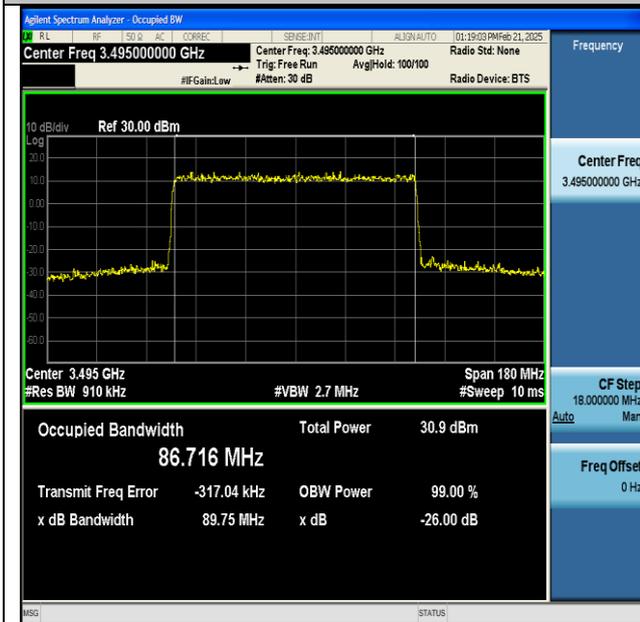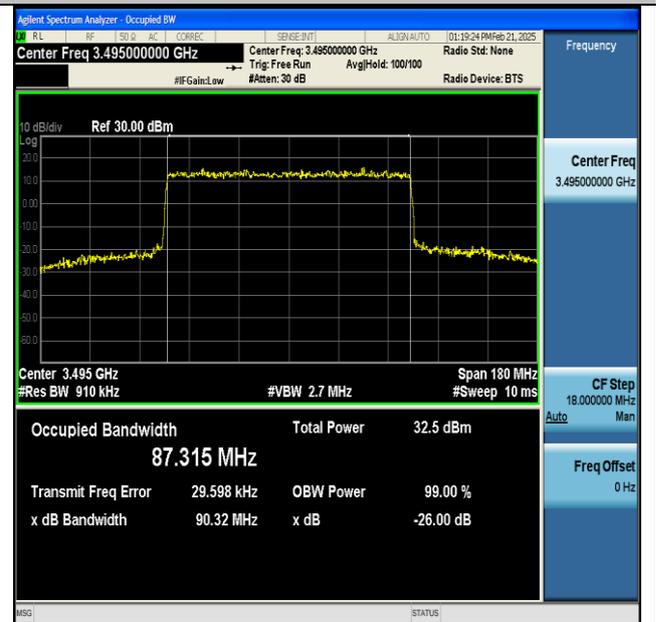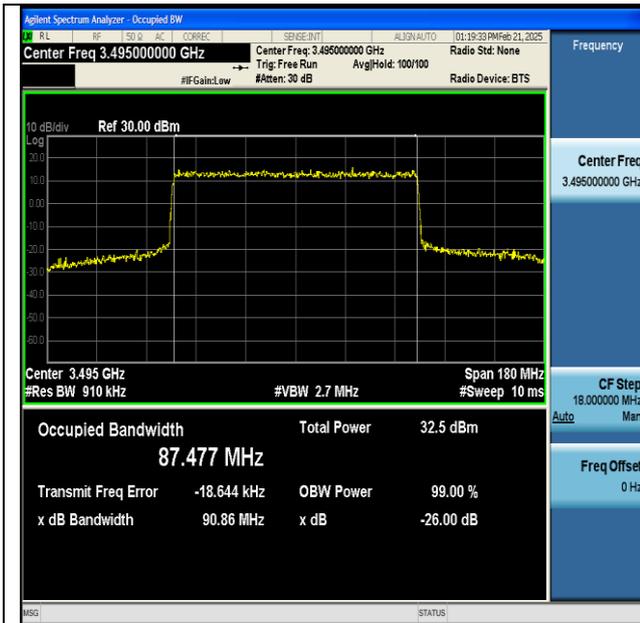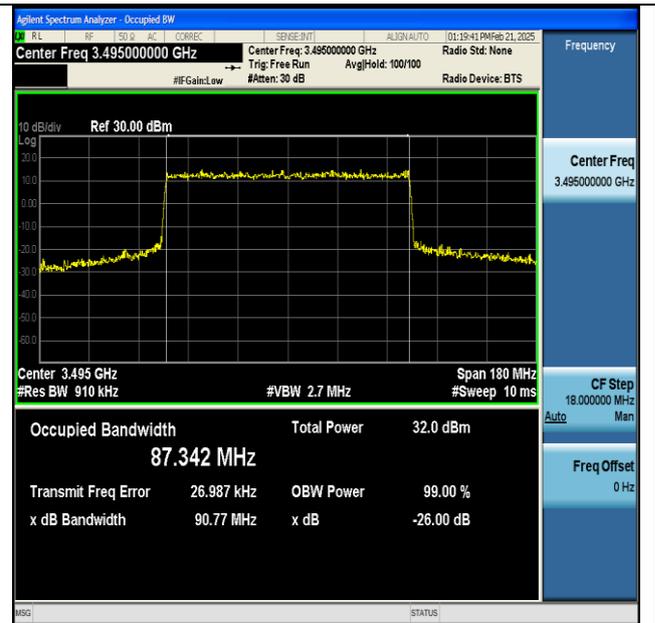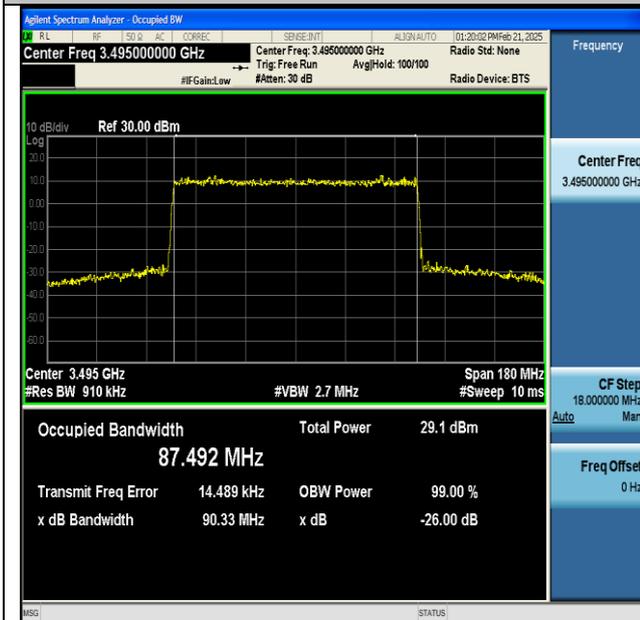|	
NTNV-n77(3450-3550)-PC2-30-80-H-CP-64QAM-Outer_Full-Ant1-PASS	NTNV-n77(3450-3550)-PC2-30-80-H-CP-256QAM-Outer_Full-Ant1-PASS
NTNV-n77(3450-3550)-PC2-30-90-L-DFT-BPSK-Outer_Full-Ant1-PASS	NTNV-n77(3450-3550)-PC2-30-90-L-DFT-QPSK-Outer_Full-Ant1-PASS

Screen 1 (top-left):

Agilent Spectrum Analyzer - Occupied BW
Center Freq 3.510000000 GHz
Center Freq: 3.510000000 GHz   Radio Std: None
Trig: Free Run   Avg|Hold: 100/100
#IFGain:Low   #Atten: 30 dB   Radio Device: BTS
10 dB/div   Ref 30.00 dBm
Center 3.51 GHz   Span 160 MHz
#Res BW 820 kHz   #VBW 2.4 MHz   #Sweep 10 ms

Occupied Bandwidth		Total Power	31.9 dBm
77.433 MHz			
Transmit Freq Error	-16.939 kHz	OBW Power	99.00 %
x dB Bandwidth	80.42 MHz	x dB	-26.00 dB

Screen 2 (top-right):

Agilent Spectrum Analyzer - Occupied BW
Center Freq 3.510000000 GHz
Center Freq: 3.510000000 GHz   Radio Std: None
Trig: Free Run   Avg|Hold: 100/100
#IFGain:Low   #Atten: 30 dB   Radio Device: BTS
10 dB/div   Ref 30.00 dBm
Center 3.51 GHz   Span 160 MHz
#Res BW 820 kHz   #VBW 2.4 MHz   #Sweep 10 ms

Occupied Bandwidth		Total Power	28.9 dBm
77.369 MHz			
Transmit Freq Error	-27.921 kHz	OBW Power	99.00 %
x dB Bandwidth	80.71 MHz	x dB	-26.00 dB

Screen 3 (bottom-left):

Agilent Spectrum Analyzer - Occupied BW
Center Freq 3.495000000 GHz
Center Freq: 3.495000000 GHz   Radio Std: None
Trig: Free Run   Avg|Hold: 100/100
#IFGain:Low   #Atten: 30 dB   Radio Device: BTS
10 dB/div   Ref 30.00 dBm
Center 3.495 GHz   Span 180 MHz
#Res BW 910 kHz   #VBW 2.7 MHz   #Sweep 10 ms

Occupied Bandwidth		Total Power	34.9 dBm
86.671 MHz			
Transmit Freq Error	-390.56 kHz	OBW Power	99.00 %
x dB Bandwidth	89.90 MHz	x dB	-26.00 dB

Screen 4 (bottom-right):

Agilent Spectrum Analyzer - Occupied BW
Center Freq 3.495000000 GHz
Center Freq: 3.495000000 GHz   Radio Std: None
Trig: Free Run   Avg|Hold: 100/100
#IFGain:Low   #Atten: 30 dB   Radio Device: BTS
10 dB/div   Ref 30.00 dBm
Center 3.495 GHz   Span 180 MHz
#Res BW 910 kHz   #VBW 2.7 MHz   #Sweep 10 ms

Occupied Bandwidth		Total Power	34.5 dBm
86.553 MHz			
Transmit Freq Error	-420.38 kHz	OBW Power	99.00 %
x dB Bandwidth	89.92 MHz	x dB	-26.00 dB

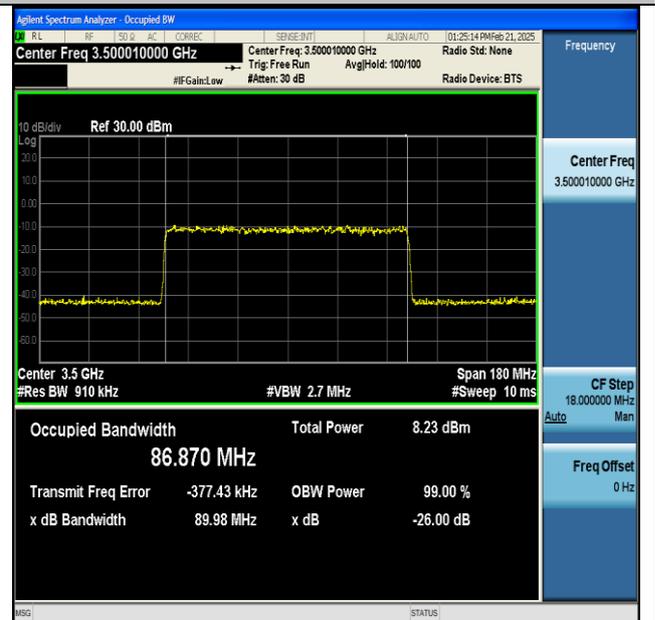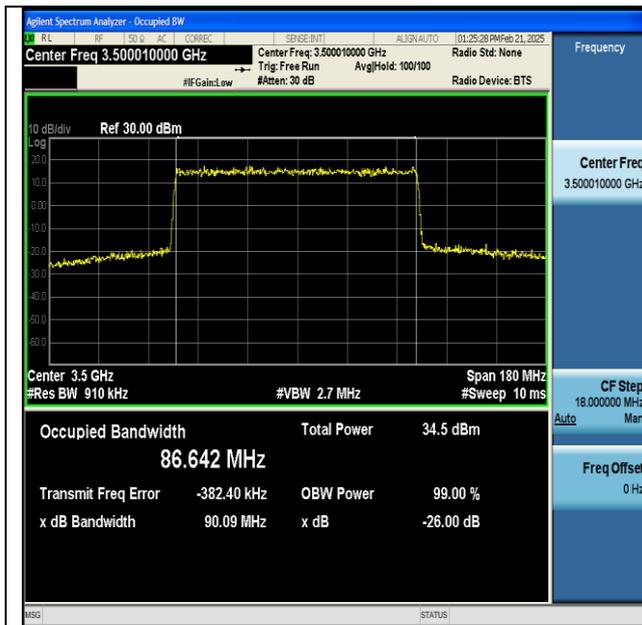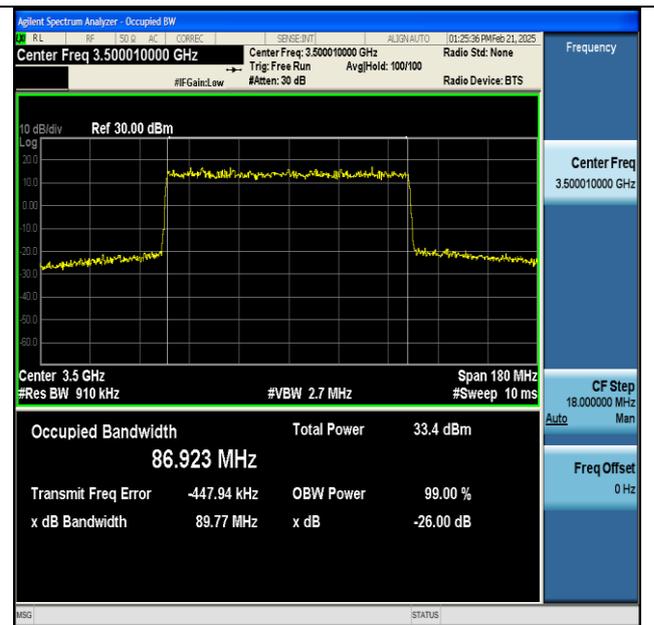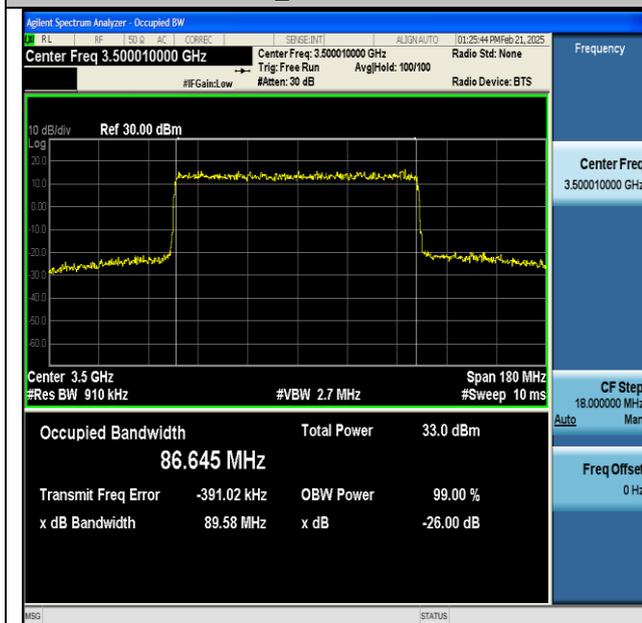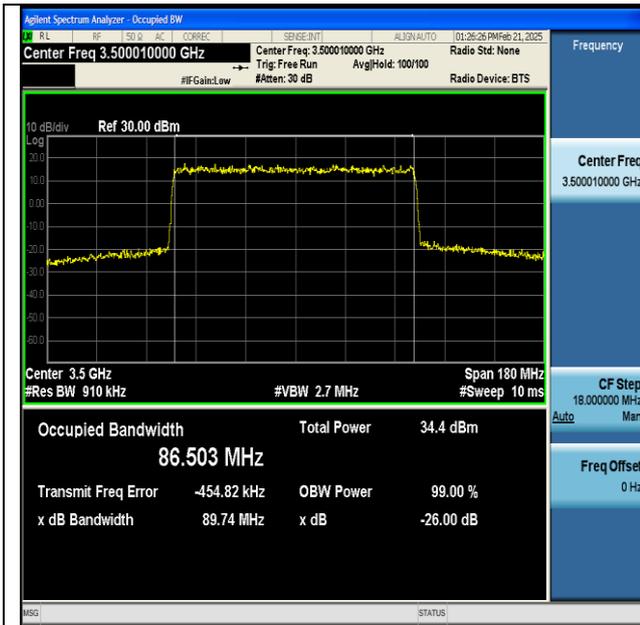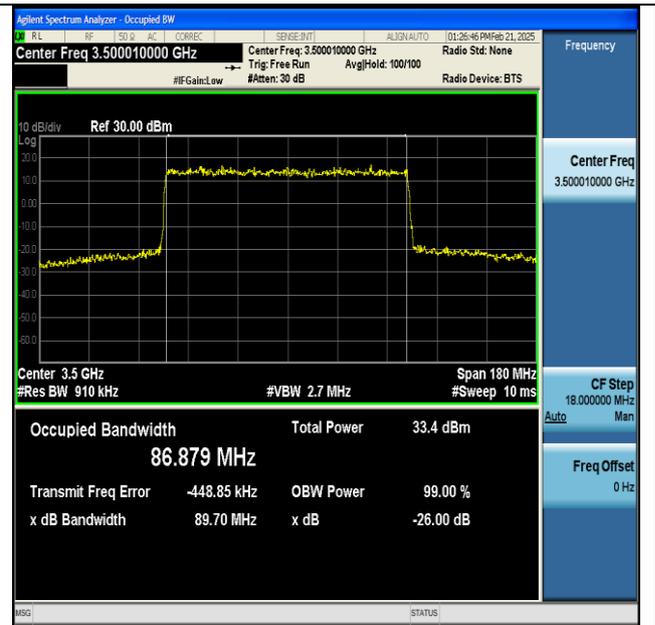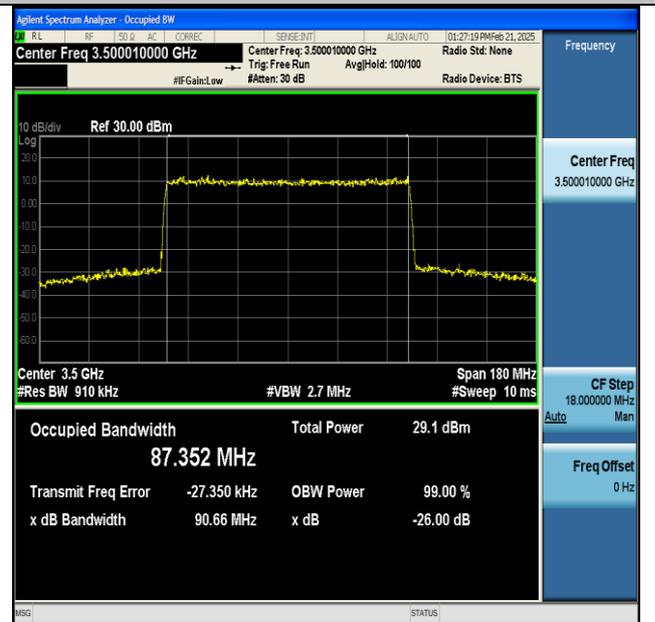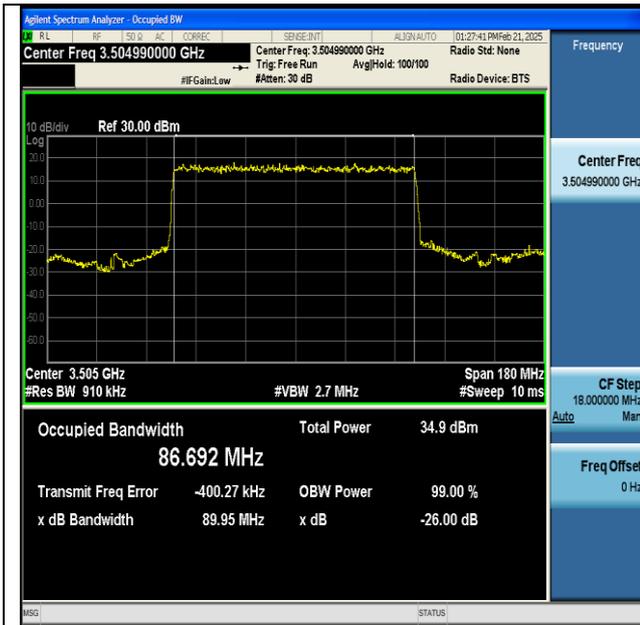| NTNV-n77(3450-3550)-PC2-30-90-L-DFT-16QAM-Outer_Full-Ant1-PASS	NTNV-n77(3450-3550)-PC2-30-90-L-DFT-64QAM-Outer_Full-Ant1-PASS
NTNV-n77(3450-3550)-PC2-30-90-L-DFT-256QAM-Outer_Full-Ant1-PASS	NTNV-n77(3450-3550)-PC2-30-90-L-CP-QPSK-Outer_Full-Ant1-PASS

NTNV-n77(3450-3550)-PC2-30-90-L-CP-16QAM-Outer_Full-Ant1-PASS	NTNV-n77(3450-3550)-PC2-30-90-L-CP-64QAM-Outer_Full-Ant1-PASS
NTNV-n77(3450-3550)-PC2-30-90-L-CP-256QAM-Outer_Full-Ant1-PASS	NTNV-n77(3450-3550)-PC2-30-90-M-DFT-BPSK-Outer_Full-Ant1-PASS

NTNV-n77(3450-3550)-PC2-30-90-M-DFT-QPSK-Outer_Full-Ant1-PASS	NTNV-n77(3450-3550)-PC2-30-90-M-DFT-16QAM-Outer_Full-Ant1-PASS
NTNV-n77(3450-3550)-PC2-30-90-M-DFT-64QAM-Outer_Full-Ant1-PASS	NTNV-n77(3450-3550)-PC2-30-90-M-DFT-256QAM-Outer_Full-Ant1-PASS

NTNV-n77(3450-3550)-PC2-30-90-M-CP-QPSK-Outer_Full-Ant1-PASS

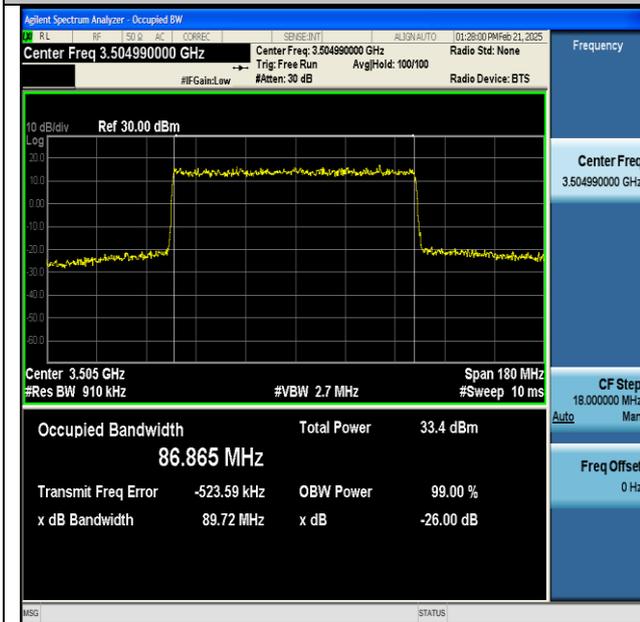NTNV-n77(3450-3550)-PC2-30-90-M-CP-16QAM-Outer_Full-Ant1-PASS

NTNV-n77(3450-3550)-PC2-30-90-M-CP-64QAM-Outer_Full-Ant1-PASS

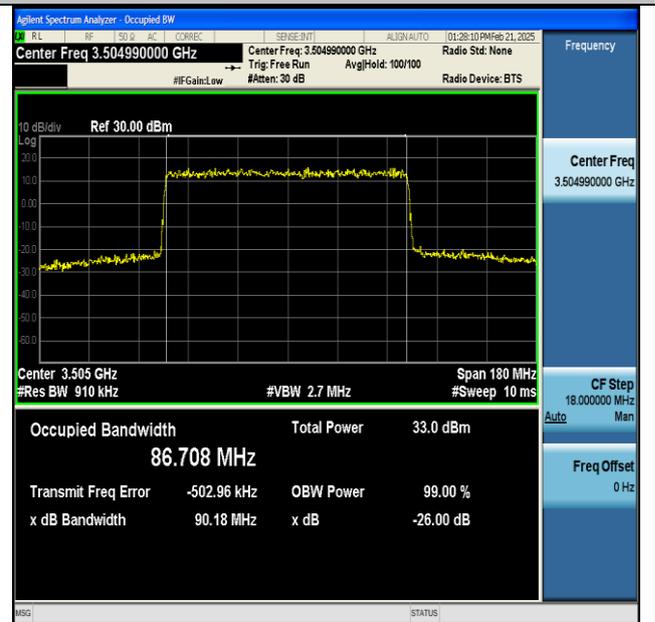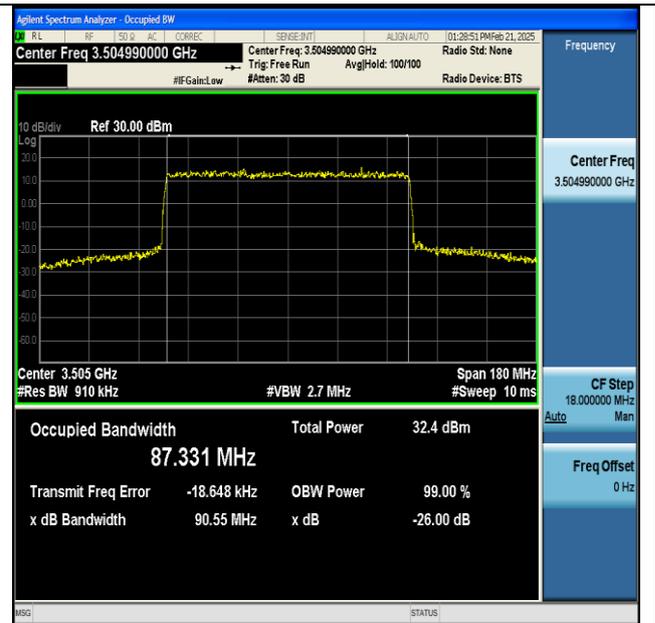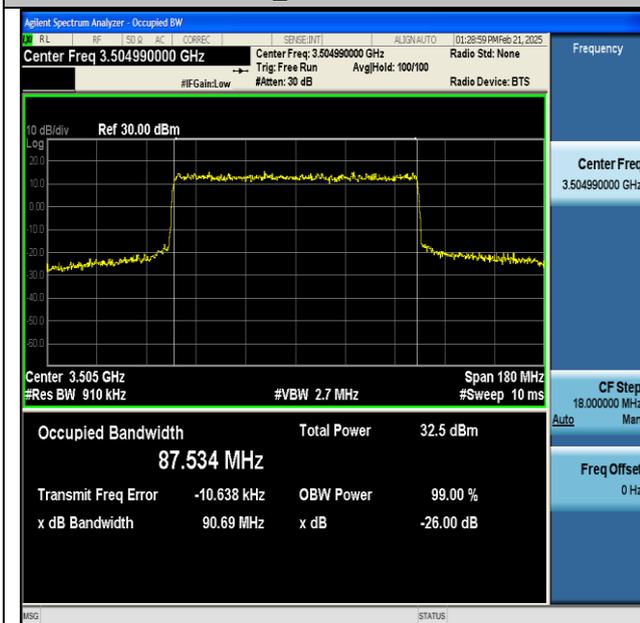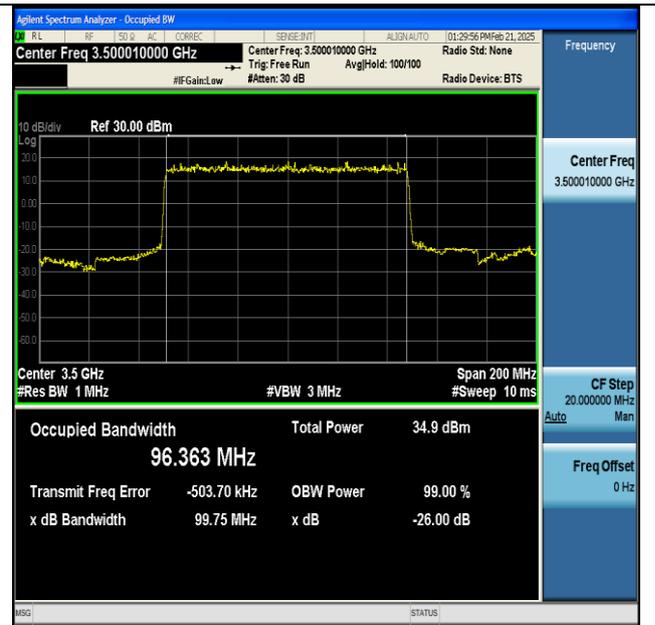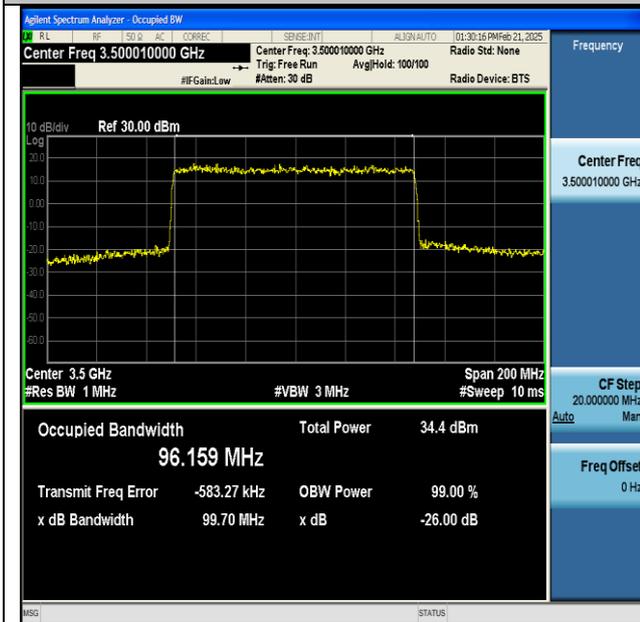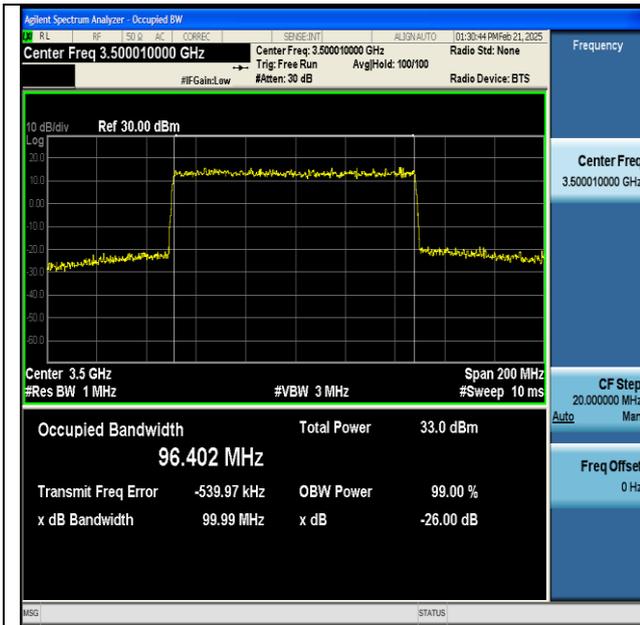NTNV-n77(3450-3550)-PC2-30-90-M-CP-256QAM-Outer_Full-Ant1-PASS

Occupied Bandwidth 86.692 MHz Total Power 34.9 dBm Transmit Freq Error -400.27 kHz OBW Power 99.00 % x dB Bandwidth 89.95 MHz x dB -26.00 dB	**Occupied Bandwidth** 86.697 MHz Total Power 34.5 dBm Transmit Freq Error -368.97 kHz OBW Power 99.00 % x dB Bandwidth 89.81 MHz x dB -26.00 dB
NTNV-n77(3450-3550)-PC2-30-90-H-DFT-BPSK-Outer_Full-Ant1-PASS	NTNV-n77(3450-3550)-PC2-30-90-H-DFT-QPSK-Outer_Full-Ant1-PASS
Occupied Bandwidth 86.865 MHz Total Power 33.4 dBm Transmit Freq Error -523.59 kHz OBW Power 99.00 % x dB Bandwidth 89.72 MHz x dB -26.00 dB	**Occupied Bandwidth** 86.708 MHz Total Power 33.0 dBm Transmit Freq Error -502.96 kHz OBW Power 99.00 % x dB Bandwidth 90.18 MHz x dB -26.00 dB
NTNV-n77(3450-3550)-PC2-30-90-H-DFT-16QAM-Outer_Full-Ant1-PASS	NTNV-n77(3450-3550)-PC2-30-90-H-DFT-64QAM-Outer_Full-Ant1-PASS

NTNV-n77(3450-3550)-PC2-30-90-H-DFT-256QAM-Outer_Full-Ant1-PASS

NTNV-n77(3450-3550)-PC2-30-90-H-CP-QPSK-Outer_Full-Ant1-PASS

NTNV-n77(3450-3550)-PC2-30-90-H-CP-16QAM-Outer_Full-Ant1-PASS

NTNV-n77(3450-3550)-PC2-30-90-H-CP-64QAM-Outer_Full-Ant1-PASS

NTNV-n77(3450-3550)-PC2-30-90-H-CP-256QAM-Outer_Full-Ant1-PASS

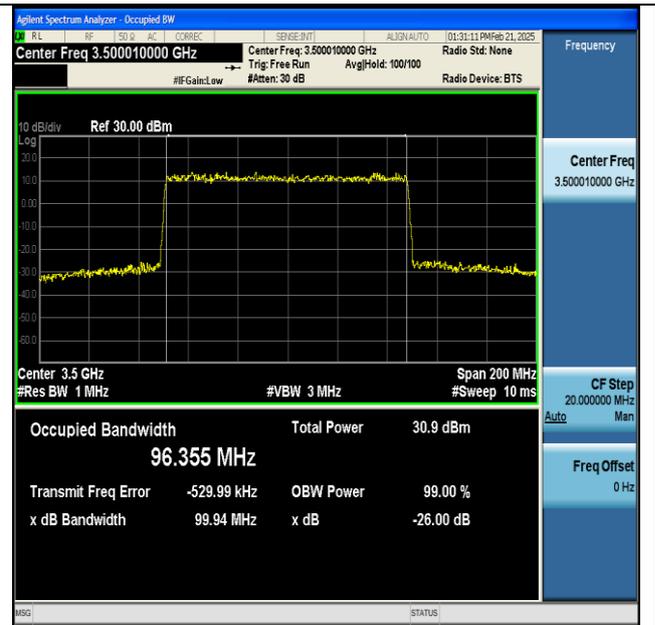NTNV-n77(3450-3550)-PC2-30-100-L-DFT-BPSK-Outer_Full-Ant1-PASS

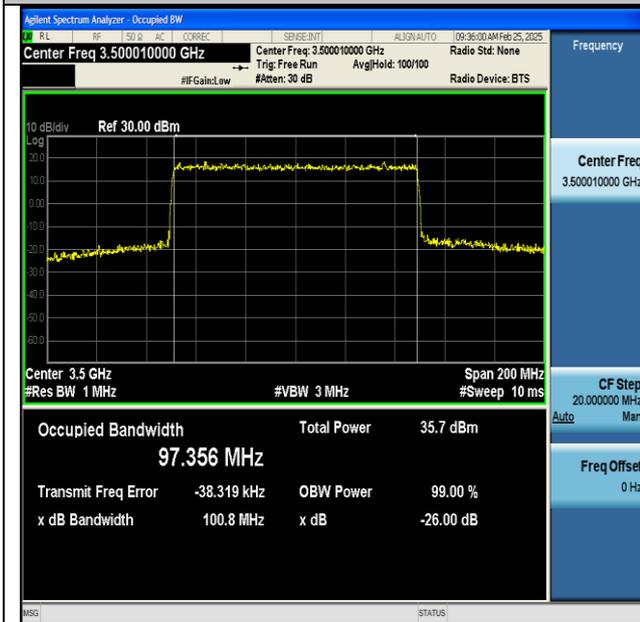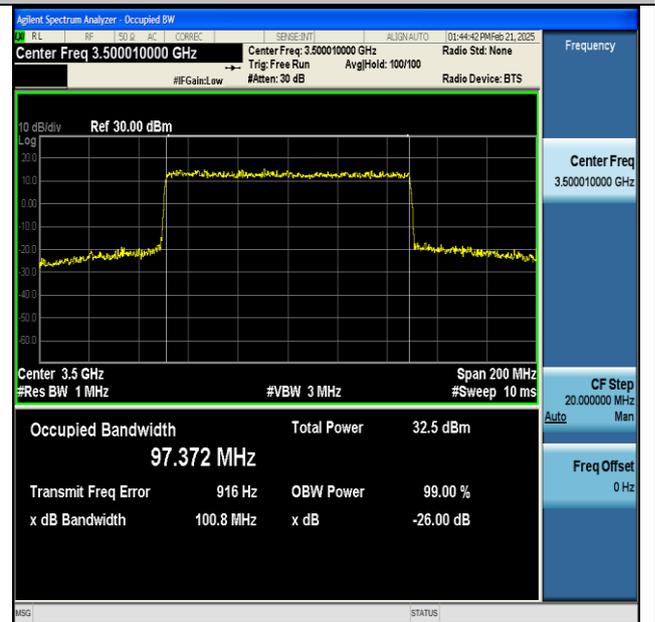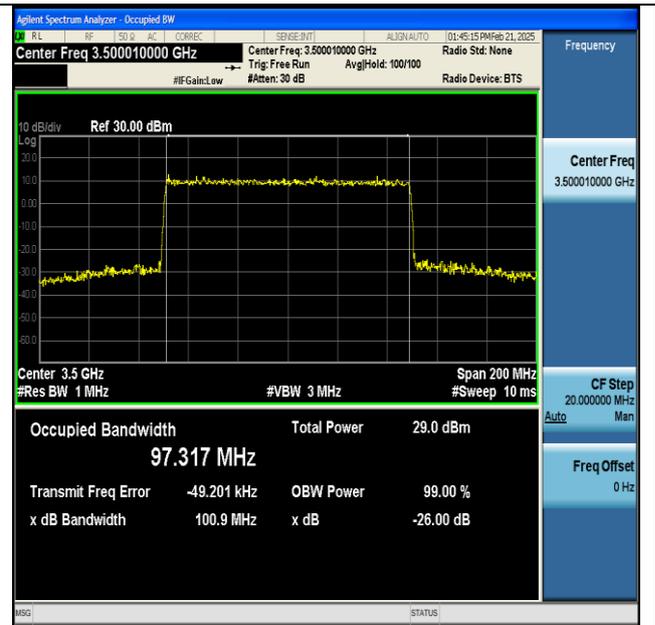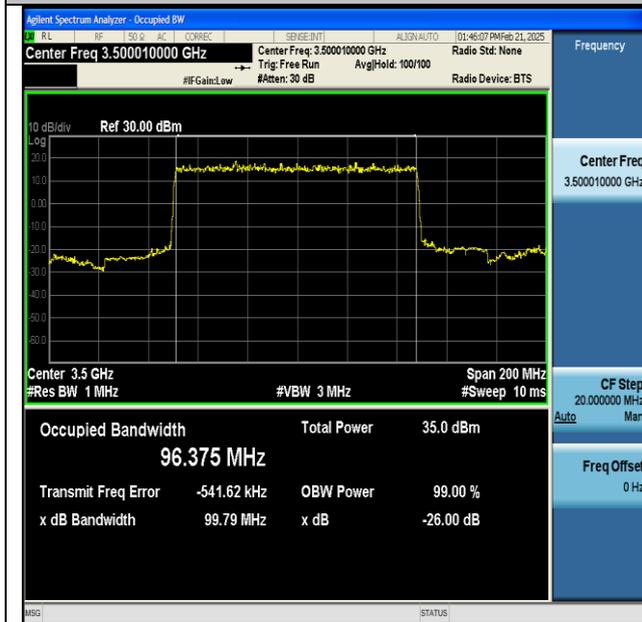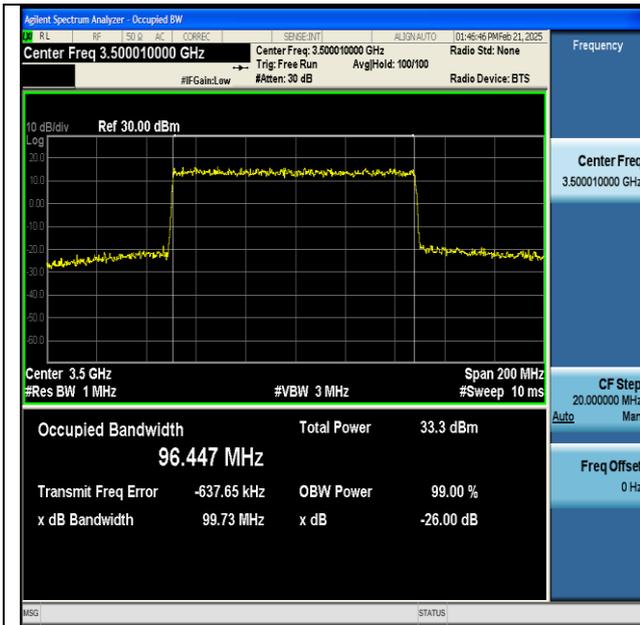NTNV-n77(3450-3550)-PC2-30-100-L-DFT-QPSK-Outer_Full-Ant1-PASS

NTNV-n77(3450-3550)-PC2-30-100-L-DFT-16QAM-Outer_Full-Ant1-PASS

NTNV-n77(3450-3550)-PC2-30-100-L-DFT-64QAM-Outer_Full-Ant1-PASS	NTNV-n77(3450-3550)-PC2-30-100-L-DFT-256QAM-Outer_Full-Ant1-PASS
NTNV-n77(3450-3550)-PC2-30-100-L-CP-QPSK-Outer_Full-Ant1-PASS	NTNV-n77(3450-3550)-PC2-30-100-L-CP-16QAM-Outer_Full-Ant1-PASS

NTNV-n77(3450-3550)-PC2-30-100-L-CP-64QAM-
Outer_Full-Ant1-PASS

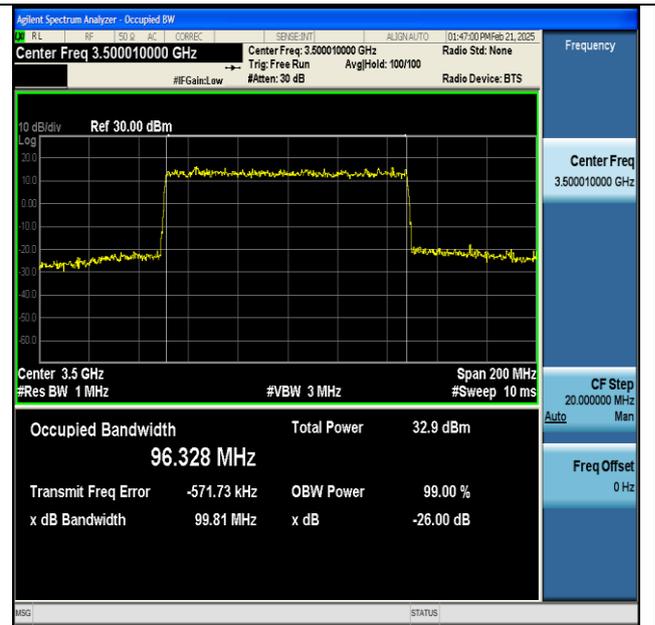NTNV-n77(3450-3550)-PC2-30-100-L-CP-256QAM-
Outer_Full-Ant1-PASS

NTNV-n77(3450-3550)-PC2-30-100-M-DFT-BPSK-
Outer_Full-Ant1-PASS

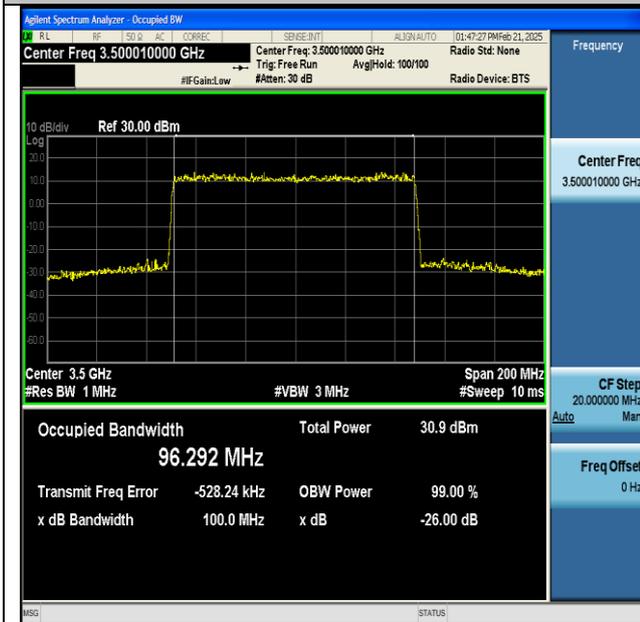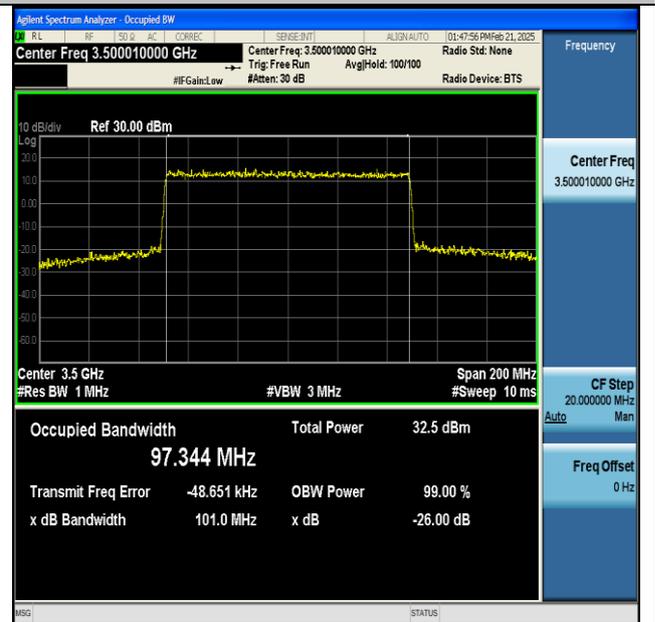NTNV-n77(3450-3550)-PC2-30-100-M-DFT-QPSK-
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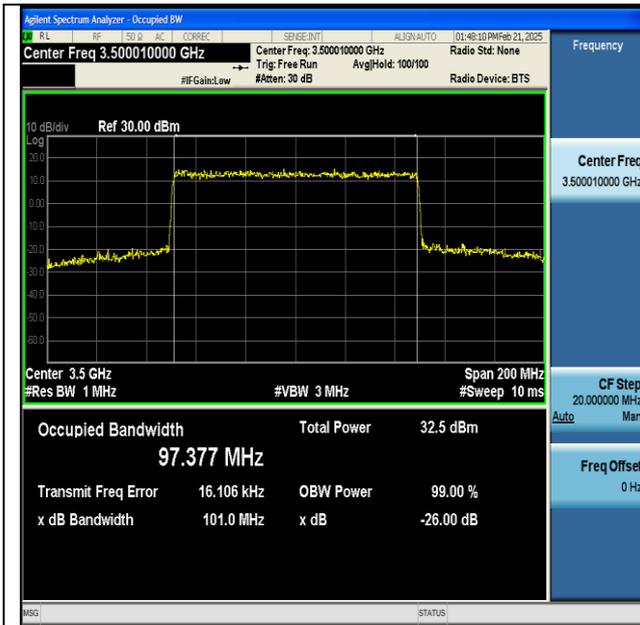NTNV-n77(3450-3550)-PC2-30-100-M-DFT-16QAM-Outer_Full-Ant1-PASS

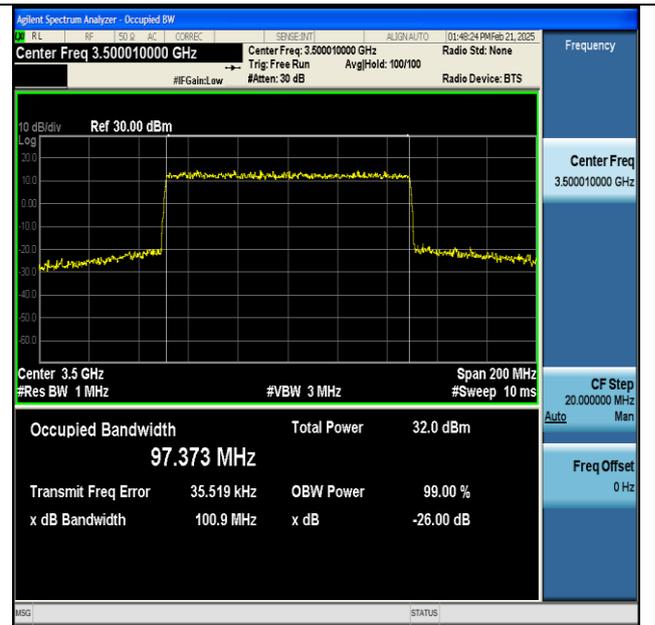NTNV-n77(3450-3550)-PC2-30-100-M-DFT-64QAM-Outer_Full-Ant1-PASS

NTNV-n77(3450-3550)-PC2-30-100-M-DFT-256QAM-Outer_Full-Ant1-PASS

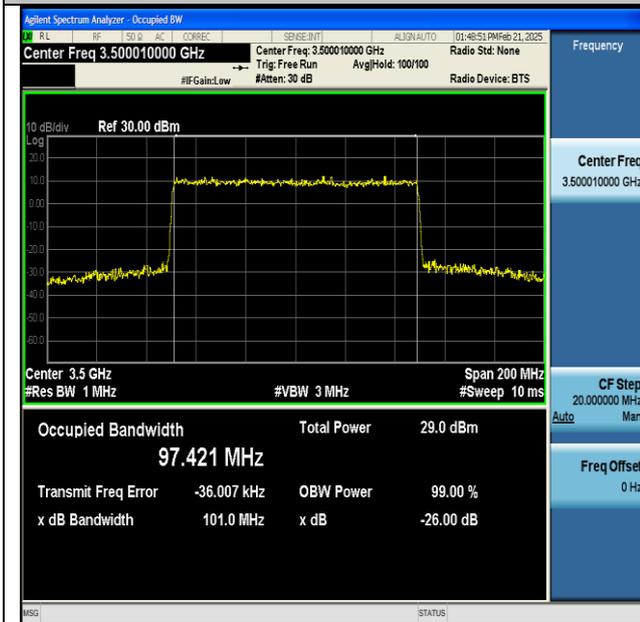
NTNV-n77(3450-3550)-PC2-30-100-M-CP-QPSK-Outer_Full-Ant1-PASS

NTNV-n77(3450-3550)-PC2-30-100-M-CP-16QAM-Outer_Full-Ant1-PASS

NTNV-n77(3450-3550)-PC2-30-100-M-CP-64QAM-Outer_Full-Ant1-PASS

NTNV-n77(3450-3550)-PC2-30-100-M-CP-256QAM-Outer_Full-Ant1-PASS

NTNV-n77(3450-3550)-PC2-30-100-H-DFT-BPSK-Outer_Full-Ant1-PASS