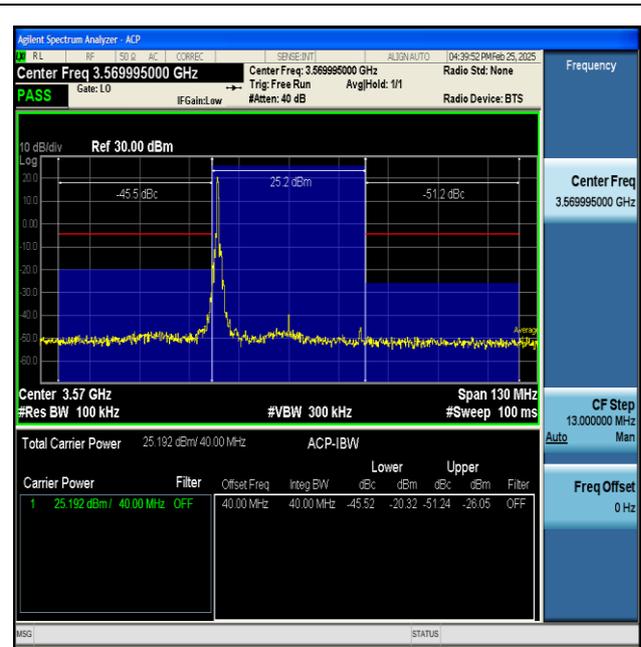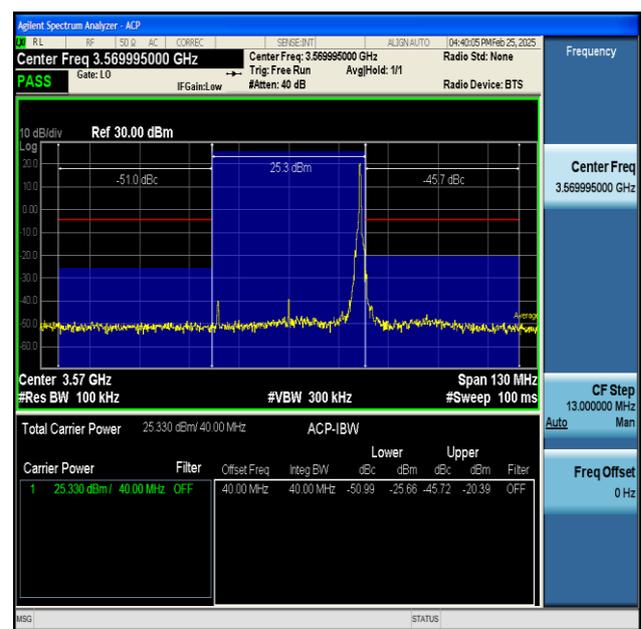|	
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NTNV-n48-PC3-30-40-L-DFT-BPSK-Inner_1RB_Right-PASS	NTNV-n48-PC3-30-40-L-DFT-BPSK-Inner_1RB_Right-PASS

NTNV-n48-PC3-30-40-L-DFT-BPSK-Inner_Full-PASS

NTNV-n48-PC3-30-40-L-DFT-BPSK-Inner_Full-PASS

NTNV-n48-PC3-30-40-L-DFT-BPSK-Outer_Full-PASS

NTNV-n48-PC3-30-40-L-DFT-BPSK-Outer_Full-PASS

NTNV-n48-PC3-30-40-H-DFT-BPSK-Inner_1RB_Left-PASS

NTNV-n48-PC3-30-40-H-DFT-BPSK-Inner_1RB_Left-PASS
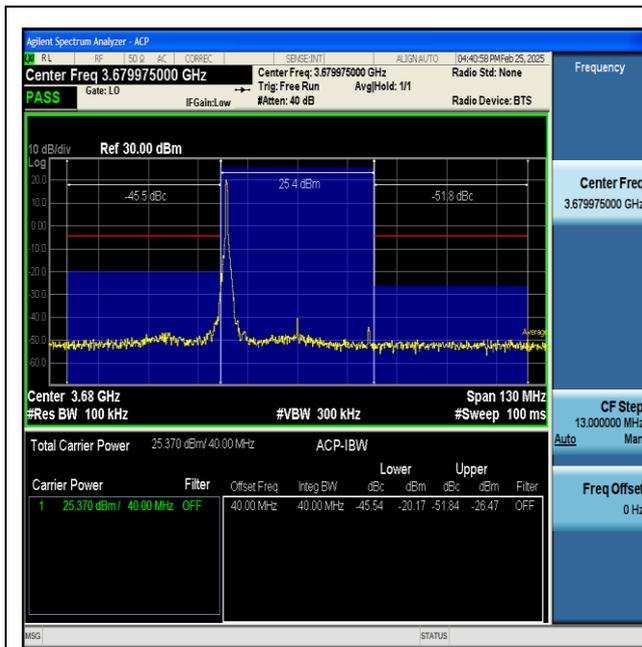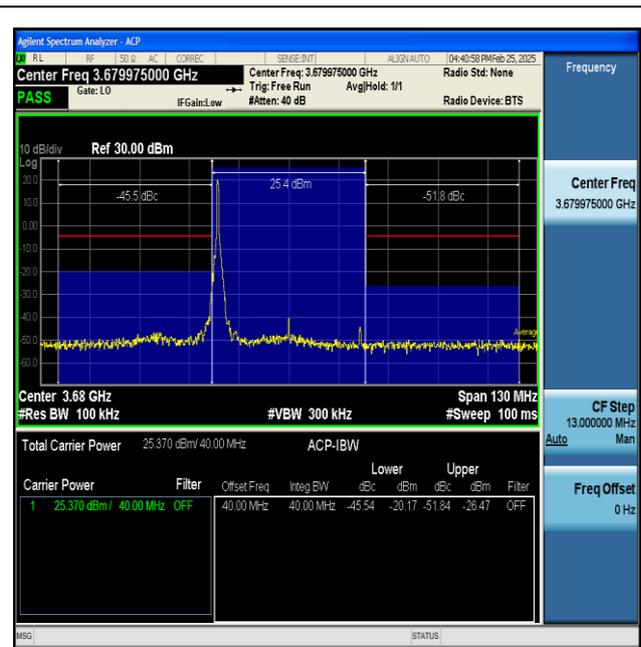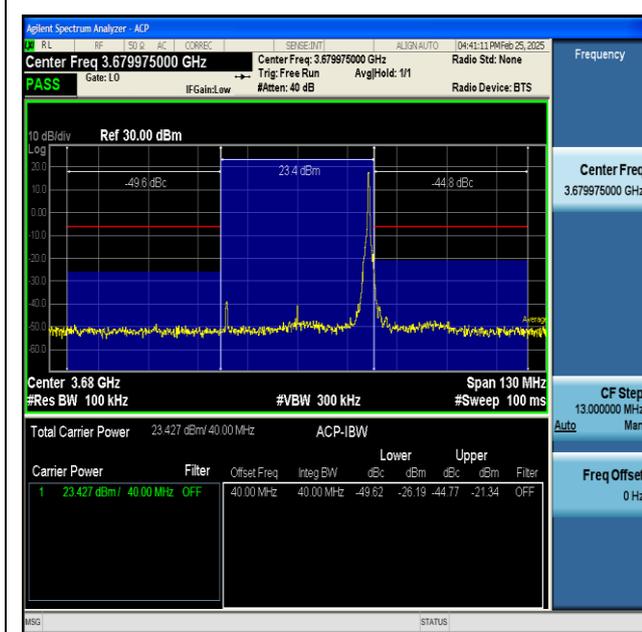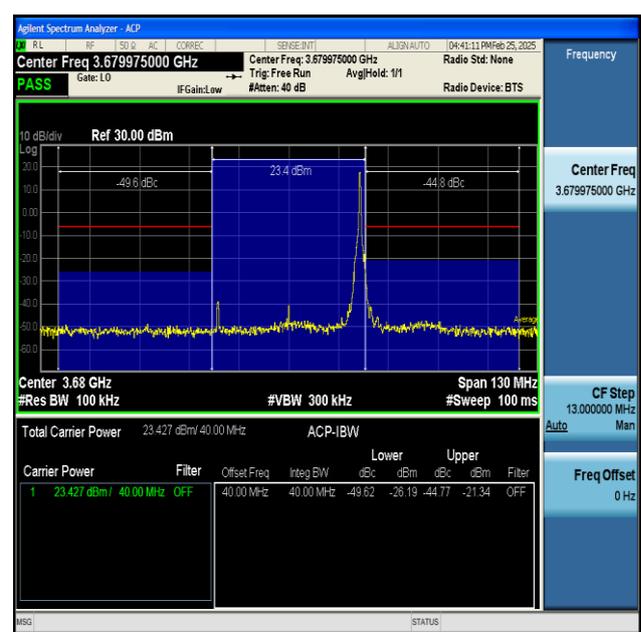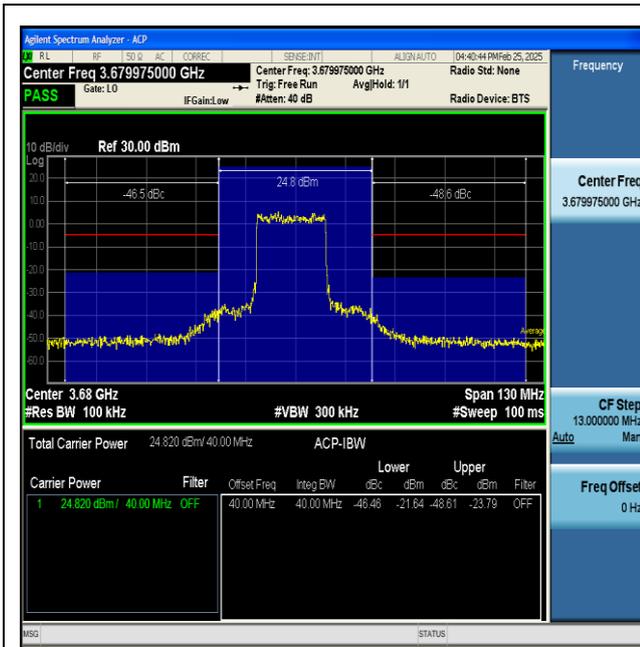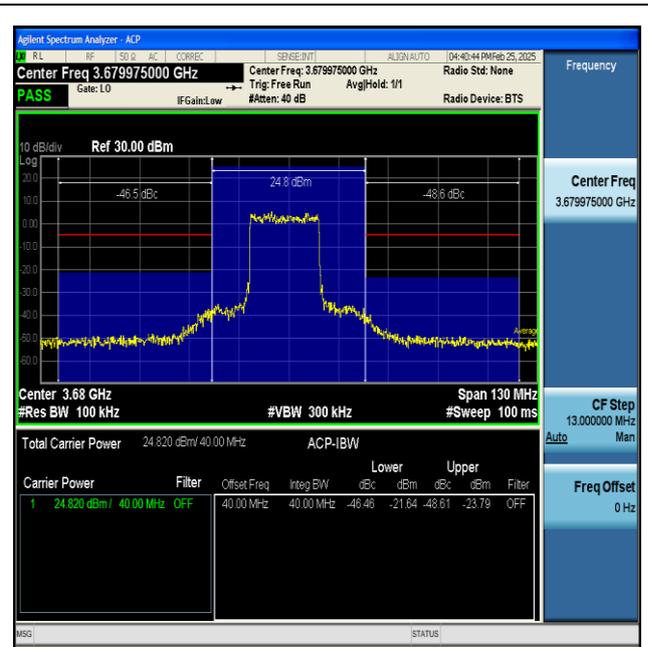

NTNV-n48-PC3-30-40-H-DFT-BPSK-Inner_1RB_Right-PASS

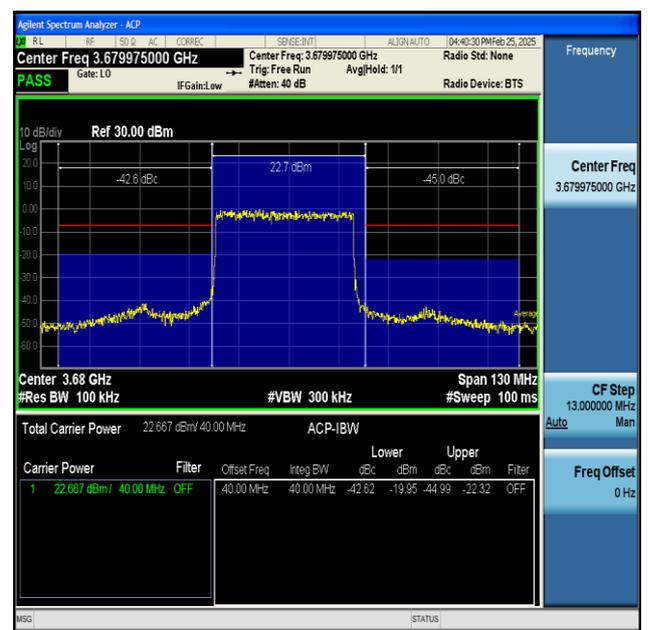
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NTNV-n48-PC3-30-40-H-DFT-BPSK-Inner_Full-PASS

NTNV-n48-PC3-30-40-H-DFT-BPSK-Inner_Full-PASS

NTNV-n48-PC3-30-40-H-DFT-BPSK-Outer_Full-PASS

NTNV-n48-PC3-30-40-H-DFT-BPSK-Outer_Full-PASS

## 26dB Bandwidth and Occupied Bandwidth for SA

Test Result

Band	SCS	Bandwidth	Modulation	Channel	RB Config	Result (99%)	Result (26dB)	Verdict
n48	30	10	DFT-BPSK	L	Outer_Full	8.6055	9.693	PASS
n48	30	10	DFT-QPSK	L	Outer_Full	8.6070	9.715	PASS
n48	30	10	DFT-16QAM	L	Outer_Full	8.6140	9.843	PASS
n48	30	10	DFT-64QAM	L	Outer_Full	8.5659	9.701	PASS
n48	30	10	DFT-256QAM	L	Outer_Full	8.5767	9.529	PASS
n48	30	10	CP-QPSK	L	Outer_Full	8.6035	10.02	PASS
n48	30	10	CP-16QAM	L	Outer_Full	8.6013	9.857	PASS
n48	30	10	CP-64QAM	L	Outer_Full	8.6028	9.792	PASS
n48	30	10	CP-256QAM	L	Outer_Full	8.6099	9.768	PASS
n48	30	10	DFT-BPSK	M	Outer_Full	8.5770	9.597	PASS
n48	30	10	DFT-QPSK	M	Outer_Full	8.6074	9.857	PASS
n48	30	10	DFT-16QAM	M	Outer_Full	8.6072	9.856	PASS
n48	30	10	DFT-64QAM	M	Outer_Full	8.5871	9.743	PASS
n48	30	10	DFT-256QAM	M	Outer_Full	8.5711	9.554	PASS
n48	30	10	CP-QPSK	M	Outer_Full	8.5987	9.814	PASS
n48	30	10	CP-16QAM	M	Outer_Full	8.5982	9.806	PASS
n48	30	10	CP-64QAM	M	Outer_Full	8.6233	9.806	PASS
n48	30	10	CP-256QAM	M	Outer_Full	8.5926	9.638	PASS
n48	30	10	DFT-BPSK	H	Outer_Full	8.5988	9.738	PASS
n48	30	10	DFT-QPSK	H	Outer_Full	8.6023	9.722	PASS
n48	30	10	DFT-16QAM	H	Outer_Full	8.6294	9.795	PASS
n48	30	10	DFT-64QAM	H	Outer_Full	8.5519	9.764	PASS
n48	30	10	DFT-256QAM	H	Outer_Full	8.5750	9.584	PASS
n48	30	10	CP-QPSK	H	Outer_Full	8.5899	9.993	PASS
n48	30	10	CP-16QAM	H	Outer_Full	8.5885	9.726	PASS
n48	30	10	CP-64QAM	H	Outer_Full	8.6178	9.823	PASS
n48	30	10	CP-256QAM	H	Outer_Full	8.5698	9.715	PASS
n48	30	15	DFT-BPSK	L	Outer_Full	12.838	14.10	PASS
n48	30	15	DFT-QPSK	L	Outer_Full	12.884	14.06	PASS
n48	30	15	DFT-16QAM	L	Outer_Full	12.919	14.28	PASS
n48	30	15	DFT-64QAM	L	Outer_Full	12.855	14.32	PASS
n48	30	15	DFT-256QAM	L	Outer_Full	12.856	14.09	PASS
n48	30	15	CP-QPSK	L	Outer_Full	13.595	15.14	PASS
n48	30	15	CP-16QAM	L	Outer_Full	13.592	14.99	PASS
n48	30	15	CP-64QAM	L	Outer_Full	13.594	14.96	PASS
n48	30	15	CP-256QAM	L	Outer_Full	13.589	15.06	PASS
n48	30	15	DFT-BPSK	M	Outer_Full	12.862	14.19	PASS
n48	30	15	DFT-QPSK	M	Outer_Full	12.868	14.14	PASS
n48	30	15	DFT-16QAM	M	Outer_Full	12.907	14.20	PASS

n48	30	15	DFT-64QAM	M	Outer_Full	12.854	14.24	PASS
n48	30	15	DFT-256QAM	M	Outer_Full	12.849	14.09	PASS
n48	30	15	CP-QPSK	M	Outer_Full	13.589	15.16	PASS
n48	30	15	CP-16QAM	M	Outer_Full	13.566	15.05	PASS
n48	30	15	CP-64QAM	M	Outer_Full	13.592	14.87	PASS
n48	30	15	CP-256QAM	M	Outer_Full	13.572	14.96	PASS
n48	30	15	DFT-BPSK	H	Outer_Full	12.844	14.14	PASS
n48	30	15	DFT-QPSK	H	Outer_Full	12.867	14.26	PASS
n48	30	15	DFT-16QAM	H	Outer_Full	12.890	14.08	PASS
n48	30	15	DFT-64QAM	H	Outer_Full	12.841	13.90	PASS
n48	30	15	DFT-256QAM	H	Outer_Full	12.856	13.90	PASS
n48	30	15	CP-QPSK	H	Outer_Full	13.594	14.87	PASS
n48	30	15	CP-16QAM	H	Outer_Full	13.580	14.78	PASS
n48	30	15	CP-64QAM	H	Outer_Full	13.578	15.09	PASS
n48	30	15	CP-256QAM	H	Outer_Full	13.545	14.54	PASS
n48	30	20	DFT-BPSK	L	Outer_Full	17.801	18.95	PASS
n48	30	20	DFT-QPSK	L	Outer_Full	17.825	19.50	PASS
n48	30	20	DFT-16QAM	L	Outer_Full	17.852	19.22	PASS
n48	30	20	DFT-64QAM	L	Outer_Full	17.844	19.10	PASS
n48	30	20	DFT-256QAM	L	Outer_Full	17.799	19.16	PASS
n48	30	20	CP-QPSK	L	Outer_Full	18.223	19.66	PASS
n48	30	20	CP-16QAM	L	Outer_Full	18.229	19.83	PASS
n48	30	20	CP-64QAM	L	Outer_Full	18.202	19.48	PASS
n48	30	20	CP-256QAM	L	Outer_Full	18.227	19.73	PASS
n48	30	20	DFT-BPSK	M	Outer_Full	17.814	19.15	PASS
n48	30	20	DFT-QPSK	M	Outer_Full	17.837	19.43	PASS
n48	30	20	DFT-16QAM	M	Outer_Full	17.856	19.43	PASS
n48	30	20	DFT-64QAM	M	Outer_Full	17.842	19.17	PASS
n48	30	20	DFT-256QAM	M	Outer_Full	17.822	19.34	PASS
n48	30	20	CP-QPSK	M	Outer_Full	18.235	19.87	PASS
n48	30	20	CP-16QAM	M	Outer_Full	18.192	19.27	PASS
n48	30	20	CP-64QAM	M	Outer_Full	18.196	19.64	PASS
n48	30	20	CP-256QAM	M	Outer_Full	18.214	19.65	PASS
n48	30	20	DFT-BPSK	H	Outer_Full	17.812	19.39	PASS
n48	30	20	DFT-QPSK	H	Outer_Full	17.795	19.22	PASS
n48	30	20	DFT-16QAM	H	Outer_Full	17.846	19.18	PASS
n48	30	20	DFT-64QAM	H	Outer_Full	17.831	19.30	PASS
n48	30	20	DFT-256QAM	H	Outer_Full	17.776	19.26	PASS
n48	30	20	CP-QPSK	H	Outer_Full	18.194	19.81	PASS
n48	30	20	CP-16QAM	H	Outer_Full	18.214	19.63	PASS
n48	30	20	CP-64QAM	H	Outer_Full	18.180	19.42	PASS
n48	30	20	CP-256QAM	H	Outer_Full	18.200	19.91	PASS
n48	30	30	DFT-BPSK	L	Outer_Full	26.842	28.47	PASS
n48	30	30	DFT-QPSK	L	Outer_Full	26.829	28.66	PASS
n48	30	30	DFT-16QAM	L	Outer_Full	26.809	28.35	PASS

n48	30	30	DFT-64QAM	L	Outer_Full	26.816	28.41	PASS
n48	30	30	DFT-256QAM	L	Outer_Full	26.854	28.37	PASS
n48	30	30	CP-QPSK	L	Outer_Full	27.832	29.56	PASS
n48	30	30	CP-16QAM	L	Outer_Full	27.892	29.41	PASS
n48	30	30	CP-64QAM	L	Outer_Full	27.803	29.40	PASS
n48	30	30	CP-256QAM	L	Outer_Full	27.854	29.56	PASS
n48	30	30	DFT-BPSK	M	Outer_Full	26.828	28.76	PASS
n48	30	30	DFT-QPSK	M	Outer_Full	26.799	28.30	PASS
n48	30	30	DFT-16QAM	M	Outer_Full	26.779	28.20	PASS
n48	30	30	DFT-64QAM	M	Outer_Full	26.799	28.45	PASS
n48	30	30	DFT-256QAM	M	Outer_Full	26.829	28.61	PASS
n48	30	30	CP-QPSK	M	Outer_Full	27.836	29.50	PASS
n48	30	30	CP-16QAM	M	Outer_Full	27.900	29.48	PASS
n48	30	30	CP-64QAM	M	Outer_Full	27.797	29.67	PASS
n48	30	30	CP-256QAM	M	Outer_Full	27.829	29.51	PASS
n48	30	30	DFT-BPSK	H	Outer_Full	26.809	28.59	PASS
n48	30	30	DFT-QPSK	H	Outer_Full	26.834	28.63	PASS
n48	30	30	DFT-16QAM	H	Outer_Full	26.788	28.36	PASS
n48	30	30	DFT-64QAM	H	Outer_Full	26.810	28.40	PASS
n48	30	30	DFT-256QAM	H	Outer_Full	26.818	28.36	PASS
n48	30	30	CP-QPSK	H	Outer_Full	27.852	29.84	PASS
n48	30	30	CP-16QAM	H	Outer_Full	27.901	29.68	PASS
n48	30	30	CP-64QAM	H	Outer_Full	27.784	29.46	PASS
n48	30	30	CP-256QAM	H	Outer_Full	27.832	29.62	PASS
n48	30	40	DFT-BPSK	L	Outer_Full	35.716	37.65	PASS
n48	30	40	DFT-QPSK	L	Outer_Full	35.754	37.53	PASS
n48	30	40	DFT-16QAM	L	Outer_Full	35.716	37.63	PASS
n48	30	40	DFT-64QAM	L	Outer_Full	35.739	37.55	PASS
n48	30	40	DFT-256QAM	L	Outer_Full	35.702	37.39	PASS
n48	30	40	CP-QPSK	L	Outer_Full	37.837	39.78	PASS
n48	30	40	CP-16QAM	L	Outer_Full	37.830	39.99	PASS
n48	30	40	CP-64QAM	L	Outer_Full	37.835	39.84	PASS
n48	30	40	CP-256QAM	L	Outer_Full	37.841	39.62	PASS
n48	30	40	DFT-BPSK	M	Outer_Full	35.815	37.79	PASS
n48	30	40	DFT-QPSK	M	Outer_Full	35.736	37.54	PASS
n48	30	40	DFT-16QAM	M	Outer_Full	35.811	37.61	PASS
n48	30	40	DFT-64QAM	M	Outer_Full	35.747	37.74	PASS
n48	30	40	DFT-256QAM	M	Outer_Full	35.708	37.43	PASS
n48	30	40	CP-QPSK	M	Outer_Full	37.859	40.01	PASS
n48	30	40	CP-16QAM	M	Outer_Full	37.803	39.98	PASS
n48	30	40	CP-64QAM	M	Outer_Full	37.795	39.85	PASS
n48	30	40	CP-256QAM	M	Outer_Full	37.870	39.90	PASS
n48	30	40	DFT-BPSK	H	Outer_Full	35.754	37.52	PASS
n48	30	40	DFT-QPSK	H	Outer_Full	35.730	37.53	PASS
n48	30	40	DFT-16QAM	H	Outer_Full	35.721	37.56	PASS

n48	30	40	DFT-64QAM	H	Outer_Full	35.743	37.56	PASS
n48	30	40	DFT-256QAM	H	Outer_Full	35.733	37.51	PASS
n48	30	40	CP-QPSK	H	Outer_Full	37.833	39.84	PASS
n48	30	40	CP-16QAM	H	Outer_Full	37.881	39.78	PASS
n48	30	40	CP-64QAM	H	Outer_Full	37.758	39.54	PASS
n48	30	40	CP-256QAM	H	Outer_Full	37.978	39.89	PASS

Test Graphs
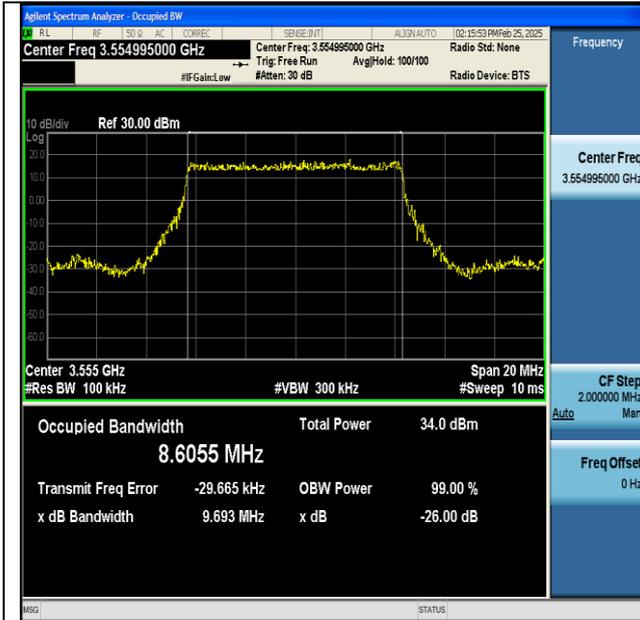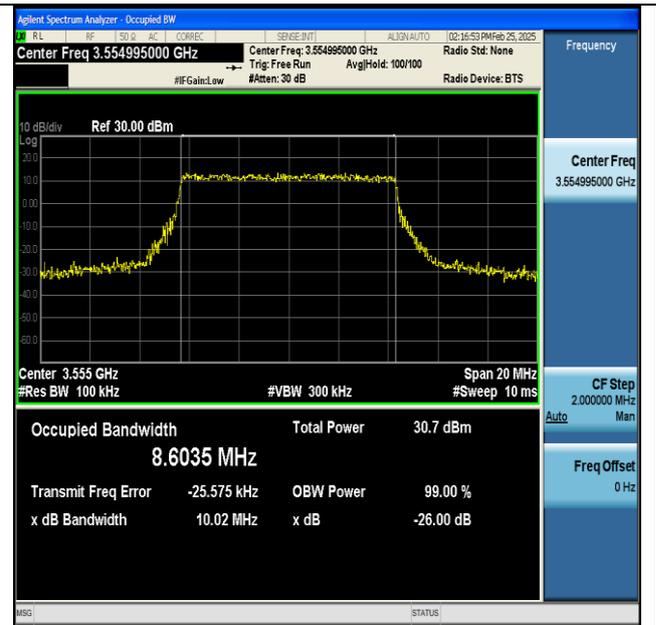

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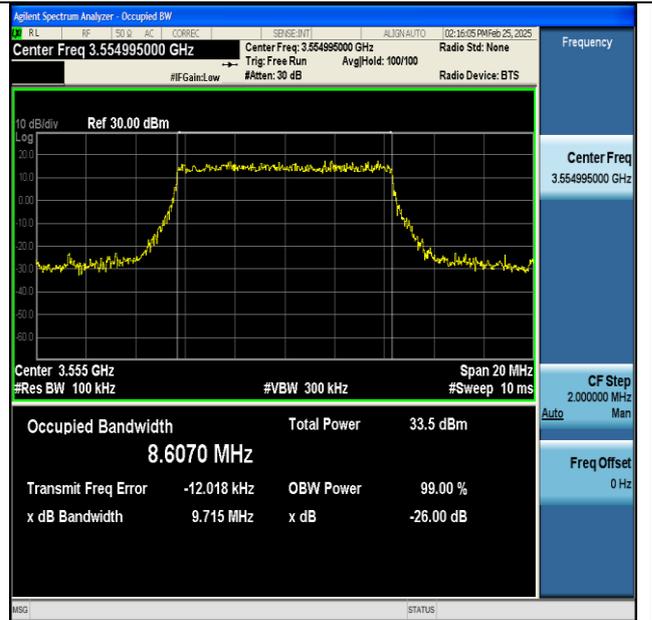
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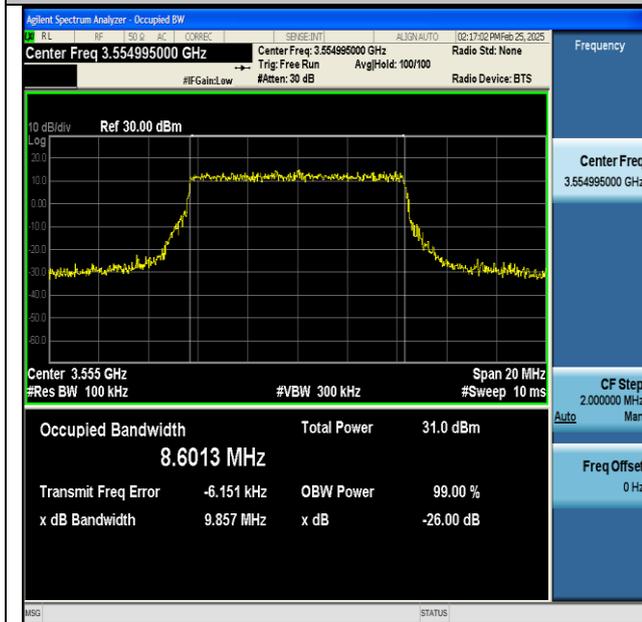PASS
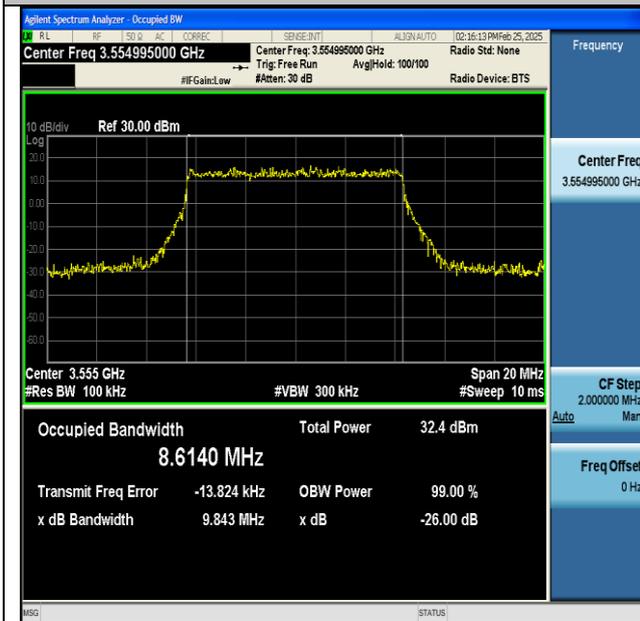
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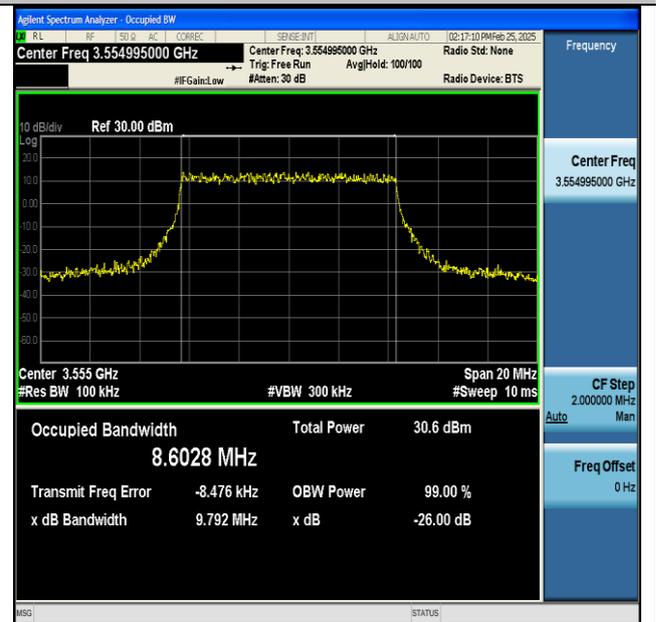PASS
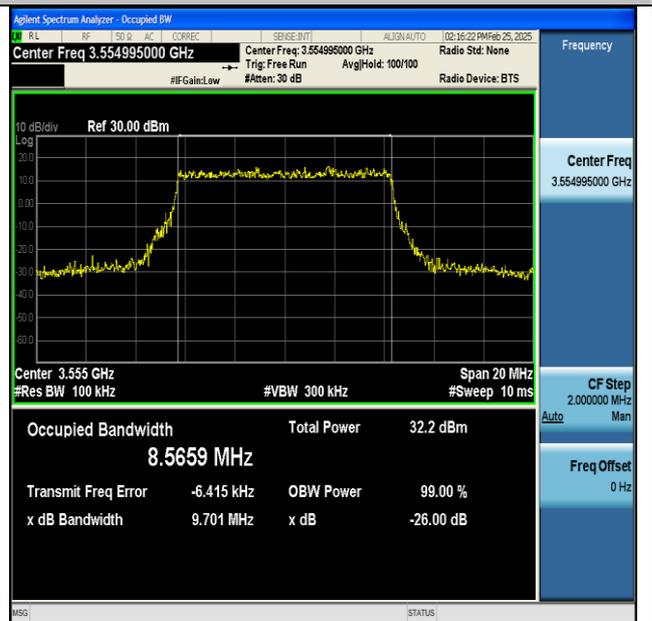
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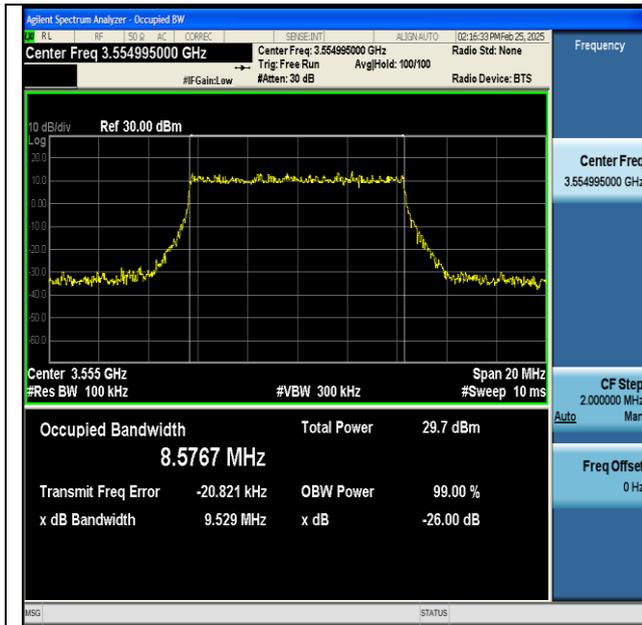
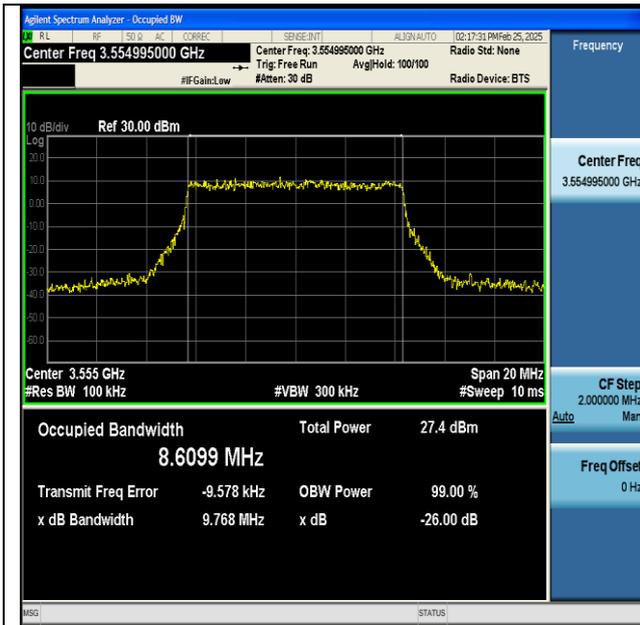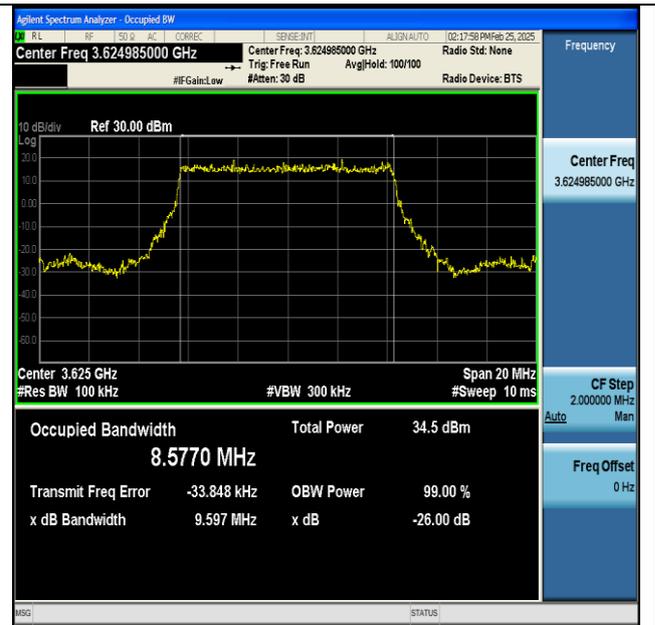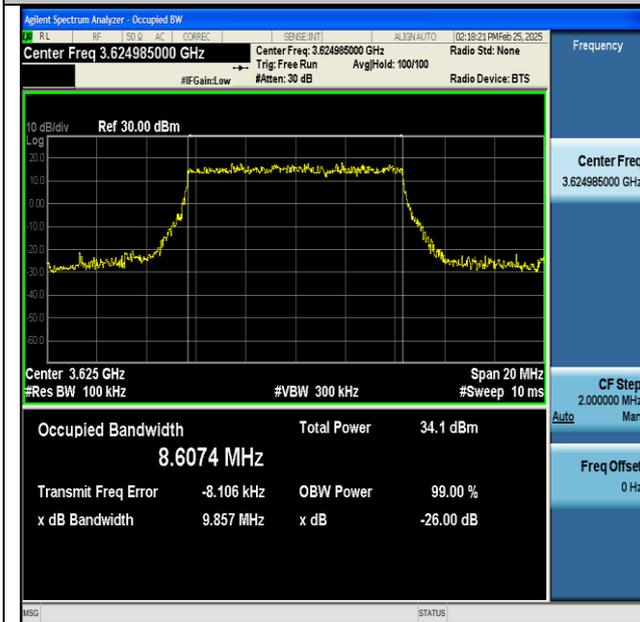|	
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NTNV-n48-PC3-30-10-L-CP-16QAM-Outer_Full-Ant1-PASS	NTNV-n48-PC3-30-10-L-CP-64QAM-Outer_Full-Ant1-PASS

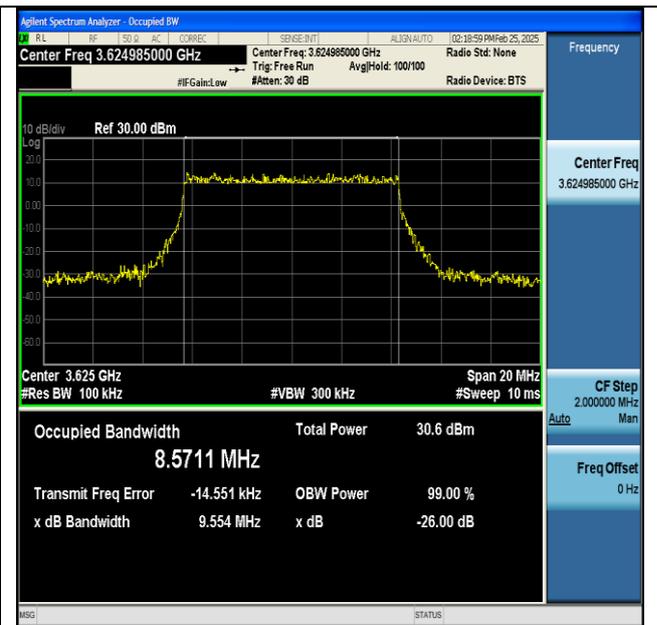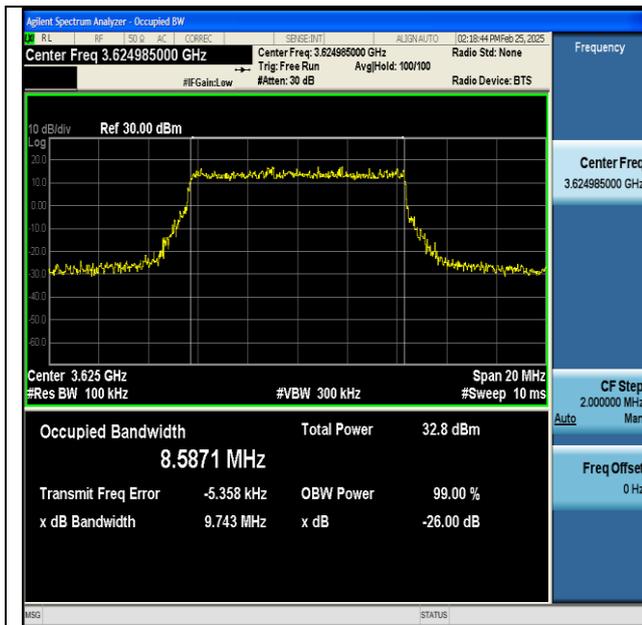|	
NTNV-n48-PC3-30-10-L-CP-256QAM-Outer_Full-Ant1-PASS	NTNV-n48-PC3-30-10-M-DFT-BPSK-Outer_Full-Ant1-PASS
NTNV-n48-PC3-30-10-M-DFT-QPSK-Outer_Full-Ant1-PASS	NTNV-n48-PC3-30-10-M-DFT-16QAM-Outer_Full-Ant1-PASS

Occupied Bandwidth (top-left): 8.6099 MHz, Total Power 27.4 dBm, Transmit Freq Error -9.578 kHz, OBW Power 99.00 %, x dB Bandwidth 9.768 MHz, x dB -26.00 dB

Occupied Bandwidth (top-right): 8.5770 MHz, Total Power 34.5 dBm, Transmit Freq Error -33.848 kHz, OBW Power 99.00 %, x dB Bandwidth 9.597 MHz, x dB -26.00 dB

Occupied Bandwidth (bottom-left): 8.6074 MHz, Total Power 34.1 dBm, Transmit Freq Error -8.106 kHz, OBW Power 99.00 %, x dB Bandwidth 9.857 MHz, x dB -26.00 dB

Occupied Bandwidth (bottom-right): 8.6072 MHz, Total Power 33.0 dBm, Transmit Freq Error -7.269 kHz, OBW Power 99.00 %, x dB Bandwidth 9.856 MHz, x dB -26.00 dB

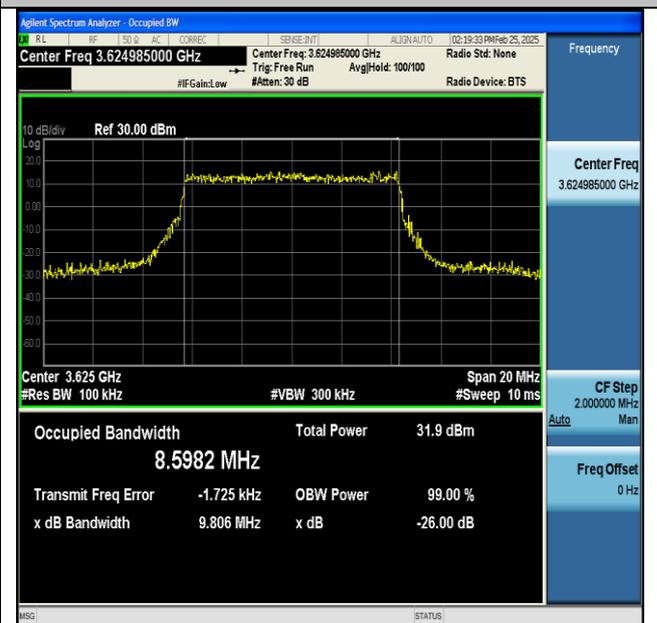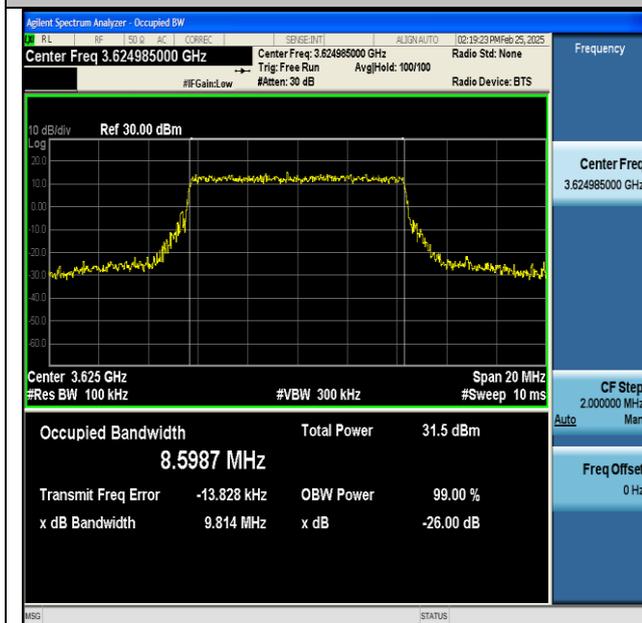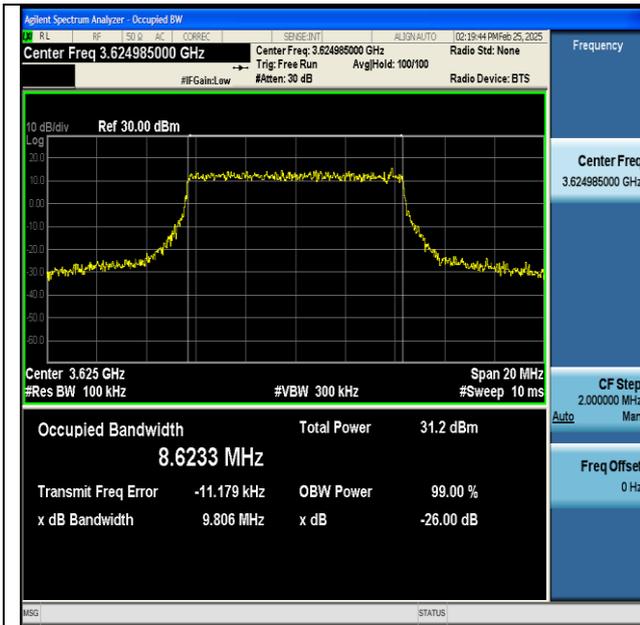|	
Occupied Bandwidth **8.5871 MHz**	Occupied Bandwidth **8.5711 MHz**

NTNV-n48-PC3-30-10-M-DFT-64QAM-Outer_Full-Ant1-PASS

NTNV-n48-PC3-30-10-M-DFT-256QAM-Outer_Full-Ant1-PASS

NTNV-n48-PC3-30-10-M-CP-QPSK-Outer_Full-Ant1-PASS

NTNV-n48-PC3-30-10-M-CP-16QAM-Outer_Full-Ant1-PASS

Spectrum analyzer screen captures:

Screen 1 (NTNV-n48-PC3-30-10-M-DFT-64QAM-Outer_Full-Ant1):
- Center Freq 3.624985000 GHz
- Occupied Bandwidth: 8.5871 MHz
- Total Power: 32.8 dBm
- Transmit Freq Error: -5.358 kHz
- OBW Power: 99.00 %
- x dB Bandwidth: 9.743 MHz
- x dB: -26.00 dB

Screen 2 (NTNV-n48-PC3-30-10-M-DFT-256QAM-Outer_Full-Ant1):
- Center Freq 3.624985000 GHz
- Occupied Bandwidth: 8.5711 MHz
- Total Power: 30.6 dBm
- Transmit Freq Error: -14.551 kHz
- OBW Power: 99.00 %
- x dB Bandwidth: 9.554 MHz
- x dB: -26.00 dB

Screen 3 (NTNV-n48-PC3-30-10-M-CP-QPSK-Outer_Full-Ant1):
- Center Freq 3.624985000 GHz
- Occupied Bandwidth: 8.5987 MHz
- Total Power: 31.5 dBm
- Transmit Freq Error: -13.828 kHz
- OBW Power: 99.00 %
- x dB Bandwidth: 9.814 MHz
- x dB: -26.00 dB

Screen 4 (NTNV-n48-PC3-30-10-M-CP-16QAM-Outer_Full-Ant1):
- Center Freq 3.624985000 GHz
- Occupied Bandwidth: 8.5982 MHz
- Total Power: 31.9 dBm
- Transmit Freq Error: -1.725 kHz
- OBW Power: 99.00 %
- x dB Bandwidth: 9.806 MHz
- x dB: -26.00 dB

NTNV-n48-PC3-30-10-M-CP-64QAM-Outer_Full-Ant1-PASS	NTNV-n48-PC3-30-10-M-CP-256QAM-Outer_Full-Ant1-PASS
NTNV-n48-PC3-30-10-H-DFT-BPSK-Outer_Full-Ant1-PASS	NTNV-n48-PC3-30-10-H-DFT-QPSK-Outer_Full-Ant1-PASS

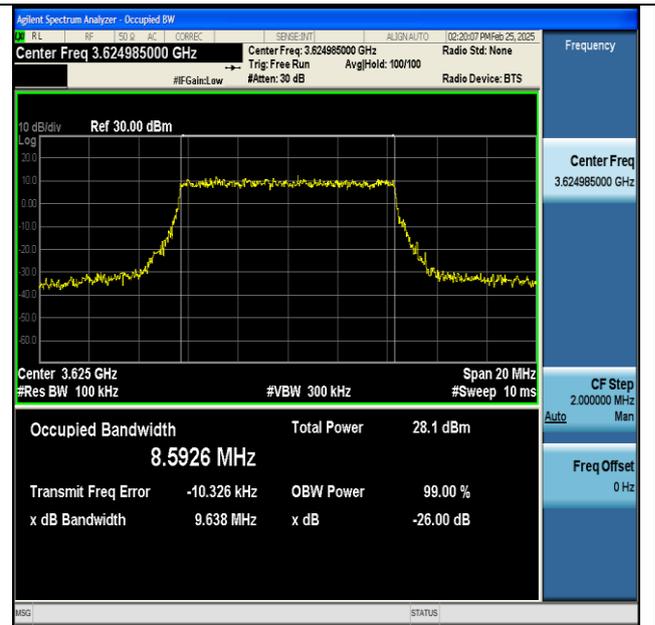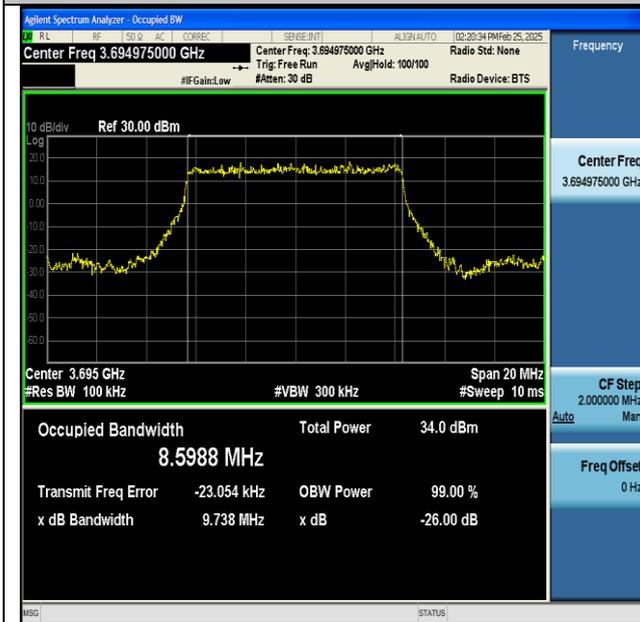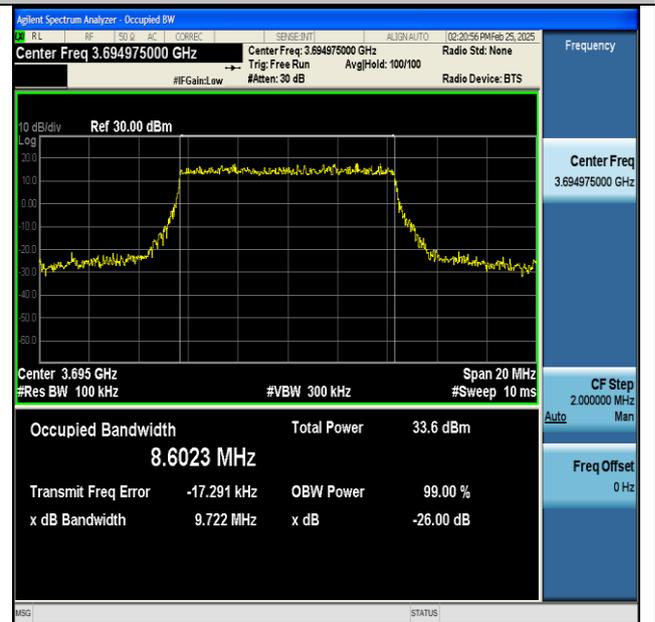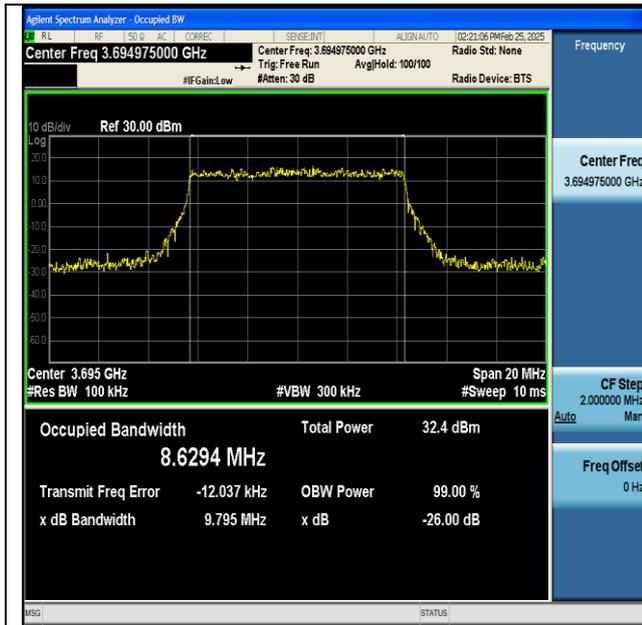|	
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NTNV-n48-PC3-30-10-H-DFT-256QAM-Outer_Full-Ant1-PASS	NTNV-n48-PC3-30-10-H-CP-QPSK-Outer_Full-Ant1-PASS

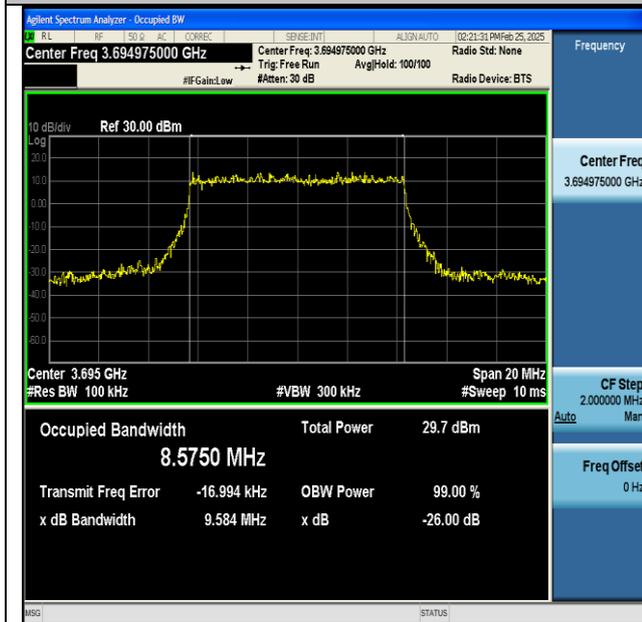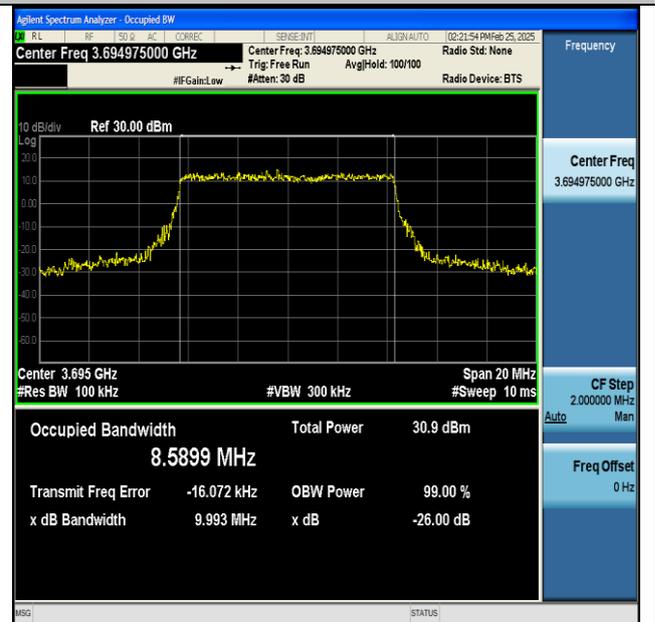|	
Agilent Spectrum Analyzer - Occupied BW	**Agilent Spectrum Analyzer - Occupied BW**
Center Freq 3.694975000 GHz	Center Freq 3.694975000 GHz
Occupied Bandwidth: **8.5885 MHz**	Occupied Bandwidth: **8.6178 MHz**
Total Power: 31.2 dBm	Total Power: 30.6 dBm
Transmit Freq Error: -23.097 kHz	Transmit Freq Error: -16.782 kHz
OBW Power: 99.00 %	OBW Power: 99.00 %
x dB Bandwidth: 9.726 MHz	x dB Bandwidth: 9.823 MHz
x dB: -26.00 dB	x dB: -26.00 dB
NTNV-n48-PC3-30-10-H-CP-16QAM-Outer_Full-Ant1-PASS	NTNV-n48-PC3-30-10-H-CP-64QAM-Outer_Full-Ant1-PASS
Agilent Spectrum Analyzer - Occupied BW	**Agilent Spectrum Analyzer - Occupied BW**
Center Freq 3.694975000 GHz	Center Freq 3.557515000 GHz
Occupied Bandwidth: **8.5698 MHz**	Occupied Bandwidth: **12.838 MHz**
Total Power: 27.6 dBm	Total Power: 34.4 dBm
Transmit Freq Error: -11.070 kHz	Transmit Freq Error: -375.32 kHz
OBW Power: 99.00 %	OBW Power: 99.00 %
x dB Bandwidth: 9.715 MHz	x dB Bandwidth: 14.10 MHz
x dB: -26.00 dB	x dB: -26.00 dB
NTNV-n48-PC3-30-10-H-CP-256QAM-Outer_Full-Ant1-PASS	NTNV-n48-PC3-30-15-L-DFT-BPSK-Outer_Full-Ant1-PASS

NTNV-n48-PC3-30-15-L-DFT-QPSK-Outer_Full-Ant1-PASS
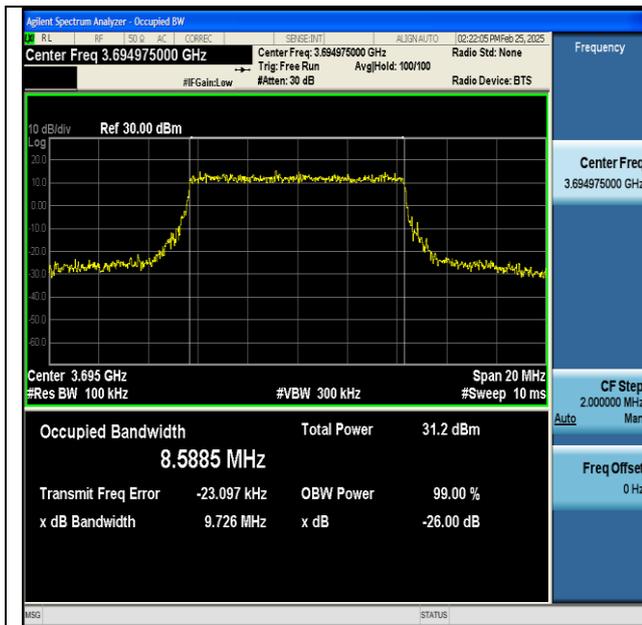

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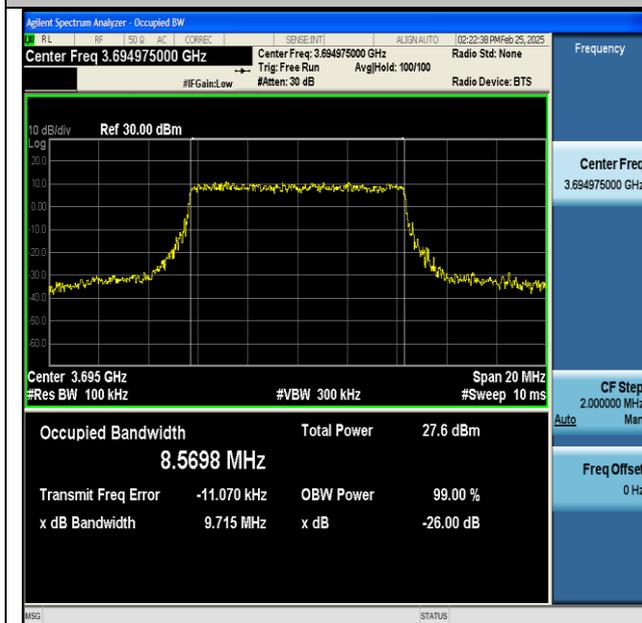

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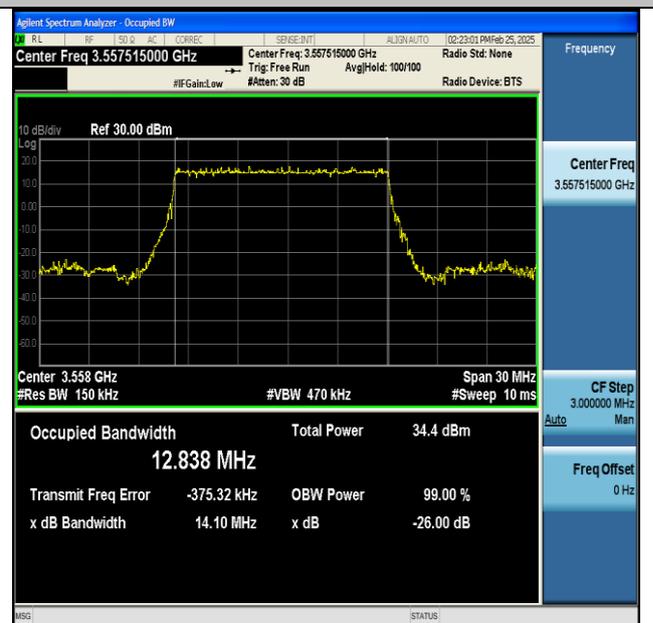
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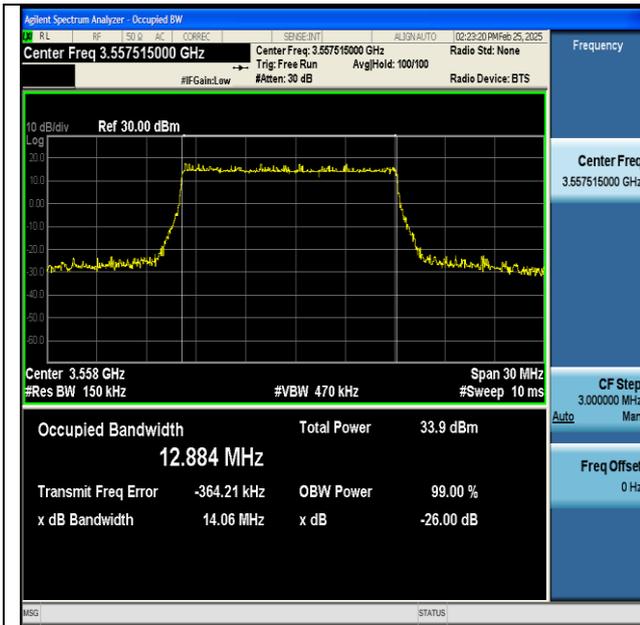

NTNV-n48-PC3-30-15-L-CP-16QAM-Outer_Full-Ant1-PASS

NTNV-n48-PC3-30-15-L-CP-64QAM-Outer_Full-Ant1-PASS

NTNV-n48-PC3-30-15-L-CP-256QAM-Outer_Full-Ant1-PASS

Top-left screen:

Agilent Spectrum Analyzer - Occupied BW

Center Freq 3.624985000 GHz
Center Freq: 3.624985000 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 3.625 GHz — Span 30 MHz
#Res BW 150 kHz — #VBW 470 kHz — #Sweep 10 ms

Occupied Bandwidth	Total Power	35.2 dBm
12.862 MHz		
Transmit Freq Error -384.60 kHz	OBW Power	99.00 %
x dB Bandwidth 14.19 MHz	x dB	-26.00 dB

NTNV-n48-PC3-30-15-M-DFT-BPSK-Outer_Full-Ant1-PASS

Top-right screen:

Agilent Spectrum Analyzer - Occupied BW

Center Freq 3.624985000 GHz
Center Freq: 3.624985000 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 3.625 GHz — Span 30 MHz
#Res BW 150 kHz — #VBW 470 kHz — #Sweep 10 ms

Occupied Bandwidth	Total Power	34.7 dBm
12.868 MHz		
Transmit Freq Error -375.46 kHz	OBW Power	99.00 %
x dB Bandwidth 14.14 MHz	x dB	-26.00 dB

NTNV-n48-PC3-30-15-M-DFT-QPSK-Outer_Full-Ant1-PASS

Bottom-left screen:

Agilent Spectrum Analyzer - Occupied BW

Center Freq 3.624985000 GHz
Center Freq: 3.624985000 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 3.625 GHz — Span 30 MHz
#Res BW 150 kHz — #VBW 470 kHz — #Sweep 10 ms

Occupied Bandwidth	Total Power	33.7 dBm
12.907 MHz		
Transmit Freq Error -347.95 kHz	OBW Power	99.00 %
x dB Bandwidth 14.20 MHz	x dB	-26.00 dB

NTNV-n48-PC3-30-15-M-DFT-16QAM-Outer_Full-Ant1-PASS

Bottom-right screen:

Agilent Spectrum Analyzer - Occupied BW

Center Freq 3.624985000 GHz
Center Freq: 3.624985000 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 3.625 GHz — Span 30 MHz
#Res BW 150 kHz — #VBW 470 kHz — #Sweep 10 ms

Occupied Bandwidth	Total Power	33.4 dBm
12.854 MHz		
Transmit Freq Error -362.65 kHz	OBW Power	99.00 %
x dB Bandwidth 14.24 MHz	x dB	-26.00 dB

NTNV-n48-PC3-30-15-M-DFT-64QAM-Outer_Full-Ant1-PASS

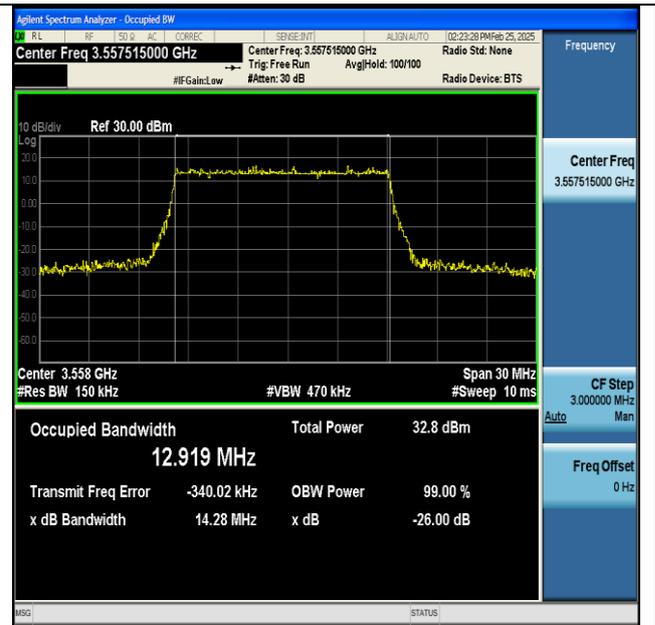|	
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NTNV-n48-PC3-30-15-M-CP-16QAM-Outer_Full-Ant1-PASS	NTNV-n48-PC3-30-15-M-CP-64QAM-Outer_Full-Ant1-PASS

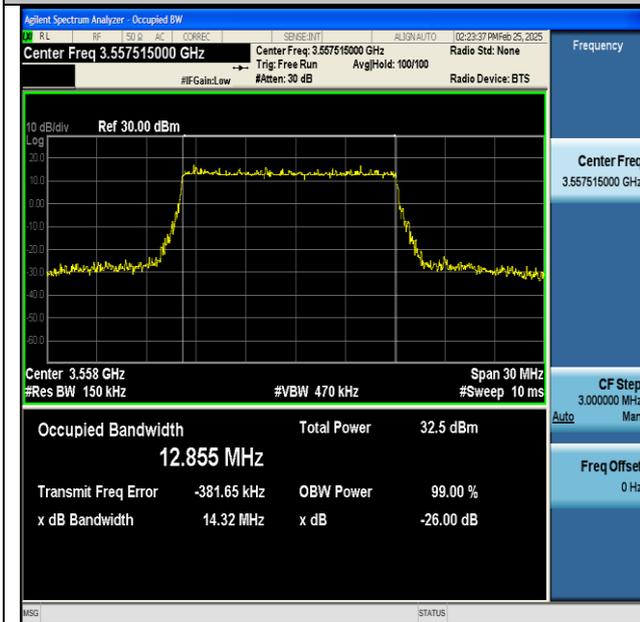NTNV-n48-PC3-30-15-M-CP-256QAM-Outer_Full-Ant1-
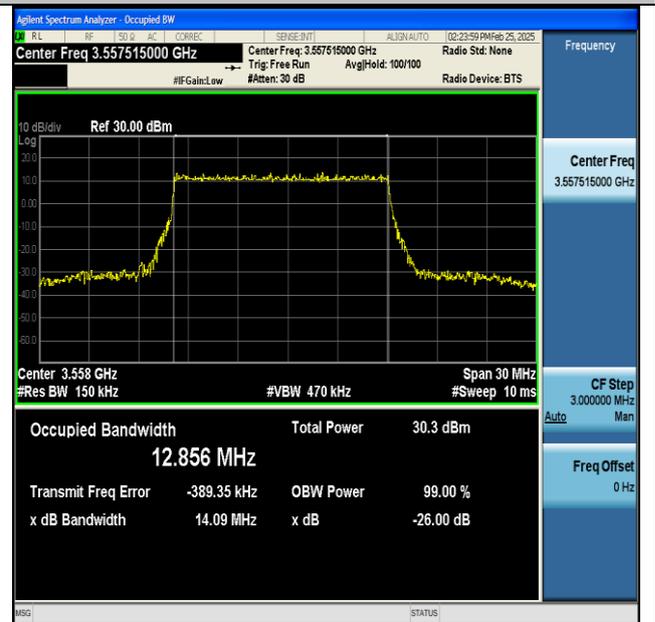PASS

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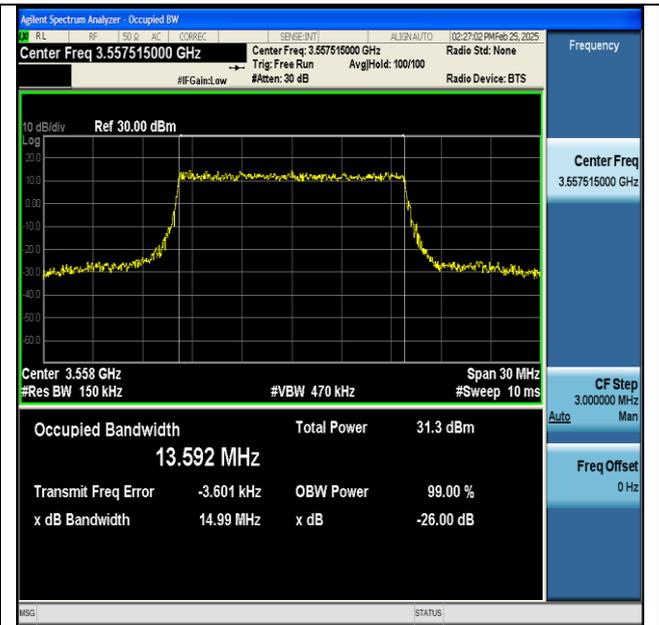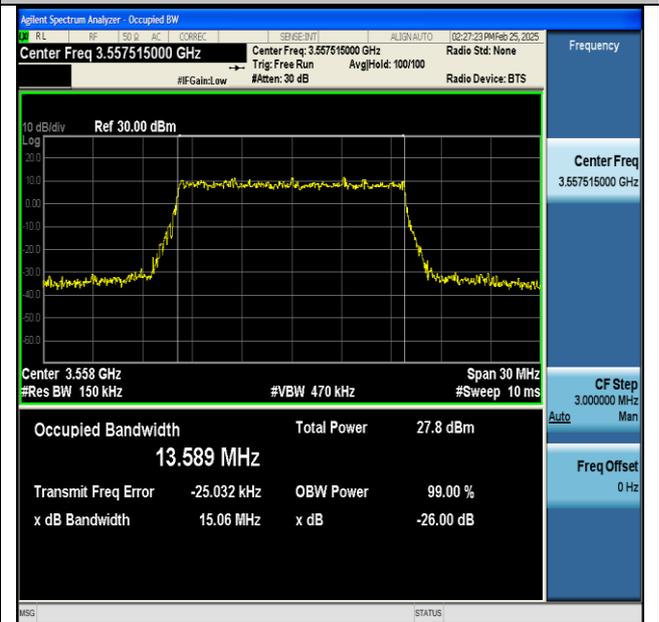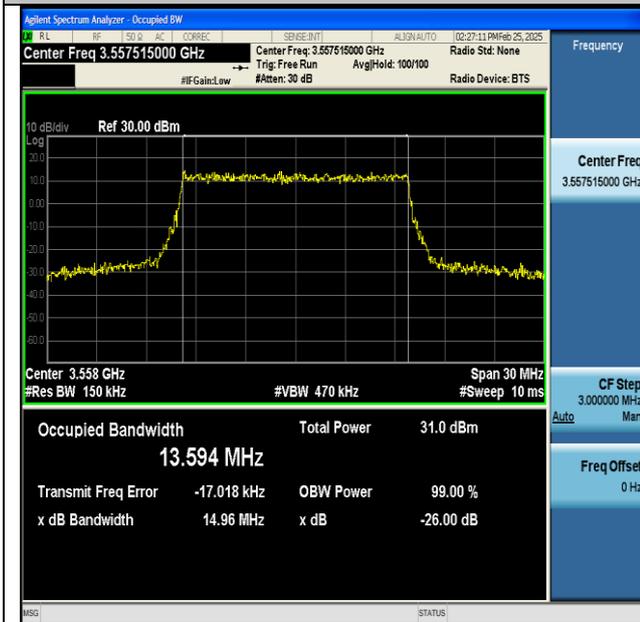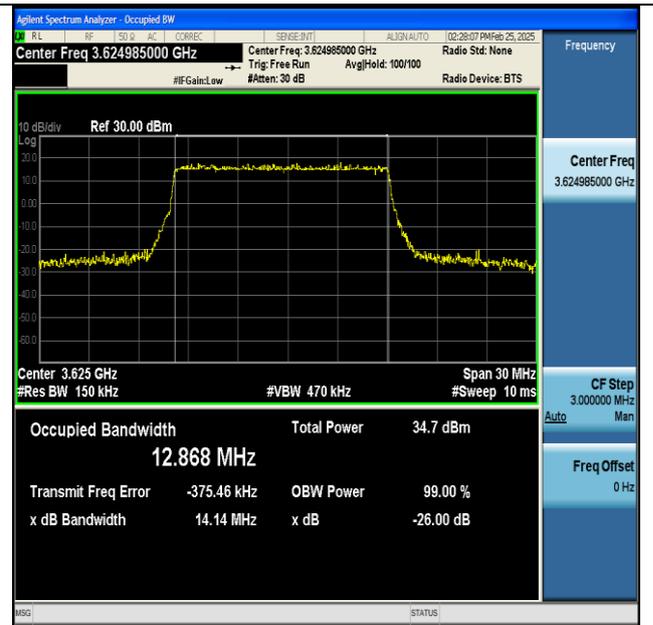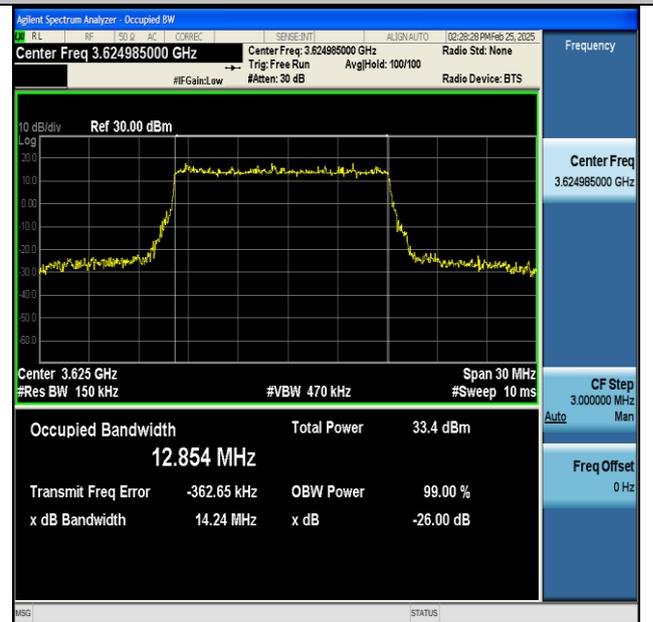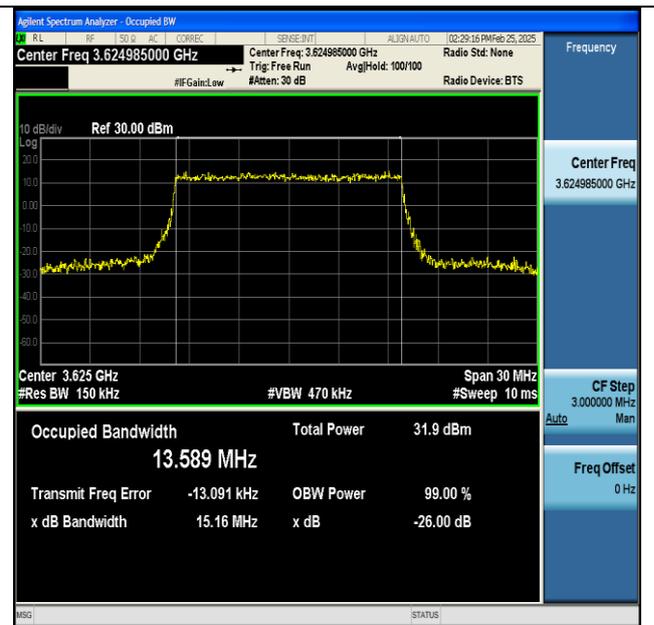PASS

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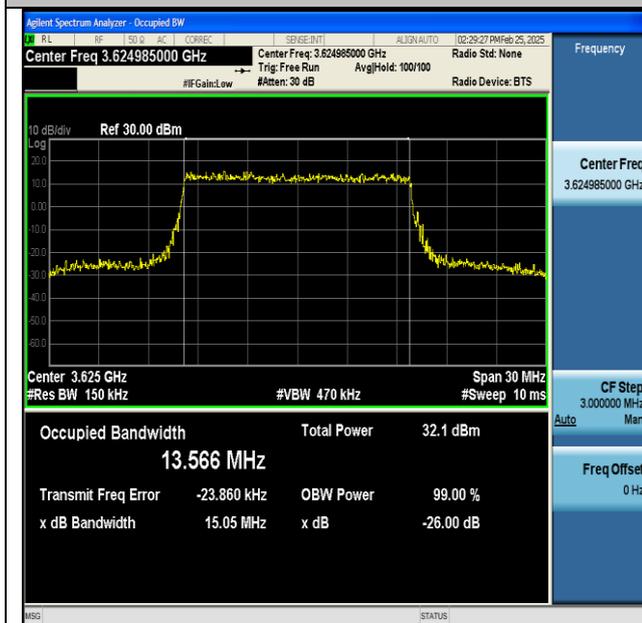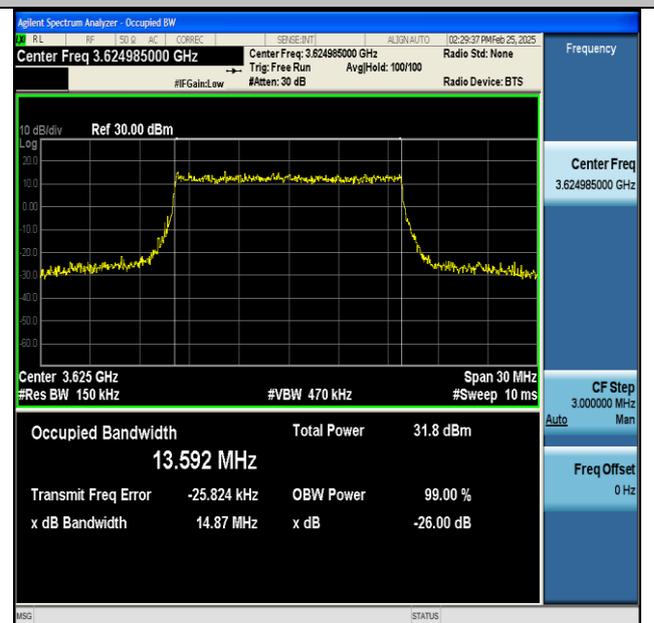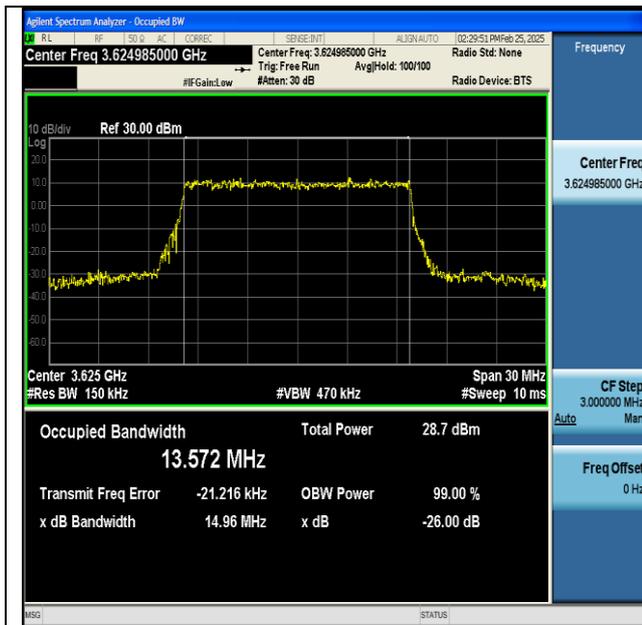

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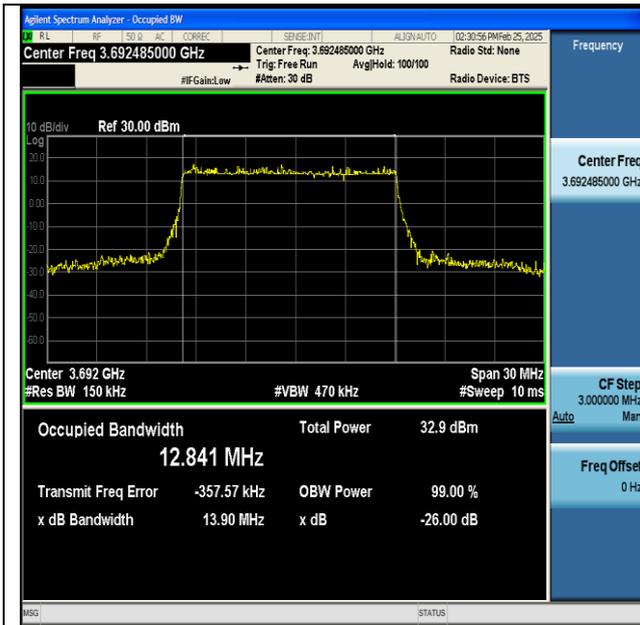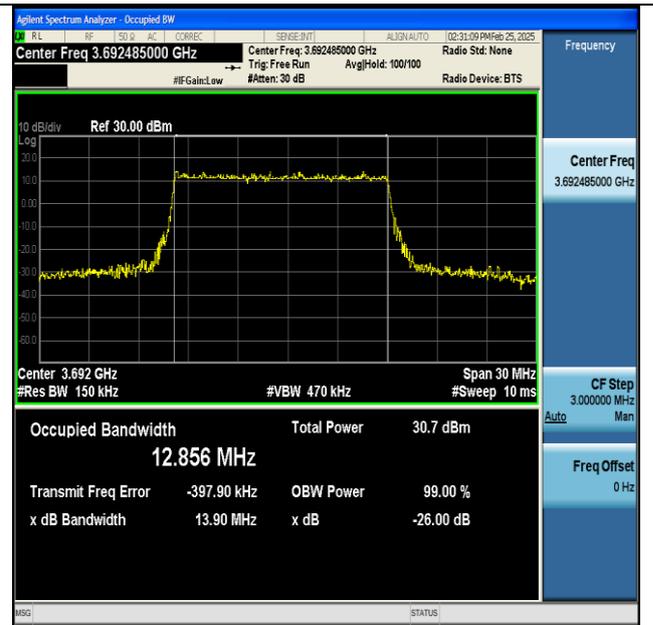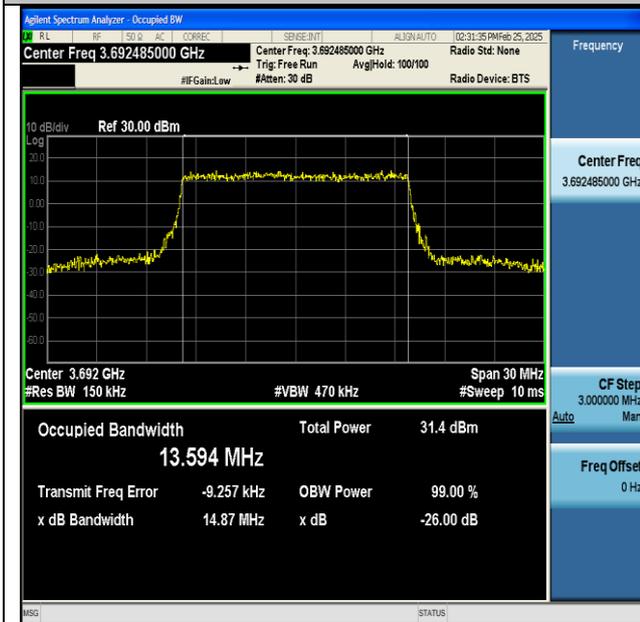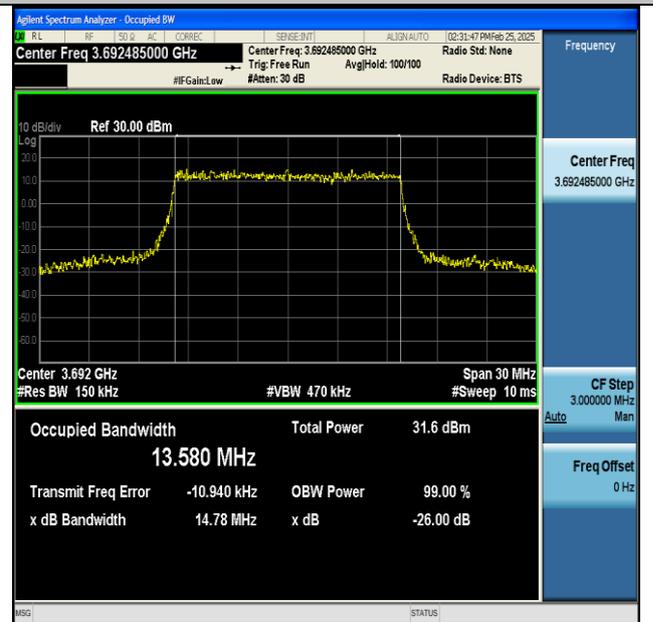|	
NTNV-n48-PC3-30-15-H-DFT-64QAM-Outer_Full-Ant1-PASS	NTNV-n48-PC3-30-15-H-DFT-256QAM-Outer_Full-Ant1-PASS
NTNV-n48-PC3-30-15-H-CP-QPSK-Outer_Full-Ant1-PASS	NTNV-n48-PC3-30-15-H-CP-16QAM-Outer_Full-Ant1-PASS

Occupied Bandwidth		Total Power	31.3 dBm
13.578 MHz			
Transmit Freq Error	-29.507 kHz	OBW Power	99.00 %
x dB Bandwidth	15.09 MHz	x dB	-26.00 dB

NTNV-n48-PC3-30-15-H-CP-64QAM-Outer_Full-Ant1-PASS

Occupied Bandwidth		Total Power	28.2 dBm
13.545 MHz			
Transmit Freq Error	-14.708 kHz	OBW Power	99.00 %
x dB Bandwidth	14.54 MHz	x dB	-26.00 dB

NTNV-n48-PC3-30-15-H-CP-256QAM-Outer_Full-Ant1-PASS

Occupied Bandwidth		Total Power	35.1 dBm
17.801 MHz			
Transmit Freq Error	-195.95 kHz	OBW Power	99.00 %
x dB Bandwidth	18.95 MHz	x dB	-26.00 dB

NTNV-n48-PC3-30-20-L-DFT-BPSK-Outer_Full-Ant1-PASS

Occupied Bandwidth		Total Power	34.5 dBm
17.825 MHz			
Transmit Freq Error	-196.08 kHz	OBW Power	99.00 %
x dB Bandwidth	19.50 MHz	x dB	-26.00 dB

NTNV-n48-PC3-30-20-L-DFT-QPSK-Outer_Full-Ant1-PASS

NTNV-n48-PC3-30-20-L-DFT-16QAM-Outer_Full-Ant1-PASS	NTNV-n48-PC3-30-20-L-DFT-64QAM-Outer_Full-Ant1-PASS
NTNV-n48-PC3-30-20-L-DFT-256QAM-Outer_Full-Ant1-PASS	NTNV-n48-PC3-30-20-L-CP-QPSK-Outer_Full-Ant1-PASS

Screenshot 1 (16QAM):
- Center Freq 3.560005000 GHz
- Radio Std: None, Trig: Free Run, Avg|Hold: 100/100, Radio Device: BTS
- #IFGain:Low, #Atten: 30 dB
- 10 dB/div, Ref 30.00 dBm
- Center 3.56 GHz, Span 40 MHz
- #Res BW 200 kHz, #VBW 620 kHz, #Sweep 10 ms
- Occupied Bandwidth: 17.852 MHz
- Total Power: 33.3 dBm
- Transmit Freq Error: -191.10 kHz
- OBW Power: 99.00 %
- x dB Bandwidth: 19.22 MHz
- x dB: -26.00 dB
- CF Step 4.000000 MHz
- Freq Offset 0 Hz

Screenshot 2 (64QAM):
- Center Freq 3.560005000 GHz
- Radio Std: None, Trig: Free Run, Avg|Hold: 100/100, Radio Device: BTS
- #IFGain:Low, #Atten: 30 dB
- 10 dB/div, Ref 30.00 dBm
- Center 3.56 GHz, Span 40 MHz
- #Res BW 200 kHz, #VBW 620 kHz, #Sweep 10 ms
- Occupied Bandwidth: 17.844 MHz
- Total Power: 32.8 dBm
- Transmit Freq Error: -180.25 kHz
- OBW Power: 99.00 %
- x dB Bandwidth: 19.10 MHz
- x dB: -26.00 dB
- CF Step 4.000000 MHz
- Freq Offset 0 Hz

Screenshot 3 (256QAM):
- Center Freq 3.560005000 GHz
- Radio Std: None, Trig: Free Run, Avg|Hold: 100/100, Radio Device: BTS
- #IFGain:Low, #Atten: 30 dB
- 10 dB/div, Ref 30.00 dBm
- Center 3.56 GHz, Span 40 MHz
- #Res BW 200 kHz, #VBW 620 kHz, #Sweep 10 ms
- Occupied Bandwidth: 17.799 MHz
- Total Power: 30.9 dBm
- Transmit Freq Error: -217.32 kHz
- OBW Power: 99.00 %
- x dB Bandwidth: 19.16 MHz
- x dB: -26.00 dB
- CF Step 4.000000 MHz
- Freq Offset 0 Hz

Screenshot 4 (CP-QPSK):
- Center Freq 3.560005000 GHz
- Radio Std: None, Trig: Free Run, Avg|Hold: 100/100, Radio Device: BTS
- #IFGain:Low
- 10 dB/div, Ref 30.00 dBm
- Center 3.56 GHz, Span 40 MHz
- #Res BW 200 kHz, #VBW 620 kHz, #Sweep 10 ms
- Occupied Bandwidth: 18.223 MHz
- Total Power: 31.1 dBm
- Transmit Freq Error: -17.297 kHz
- OBW Power: 99.00 %
- x dB Bandwidth: 19.66 MHz
- x dB: -26.00 dB
- CF Step 4.000000 MHz
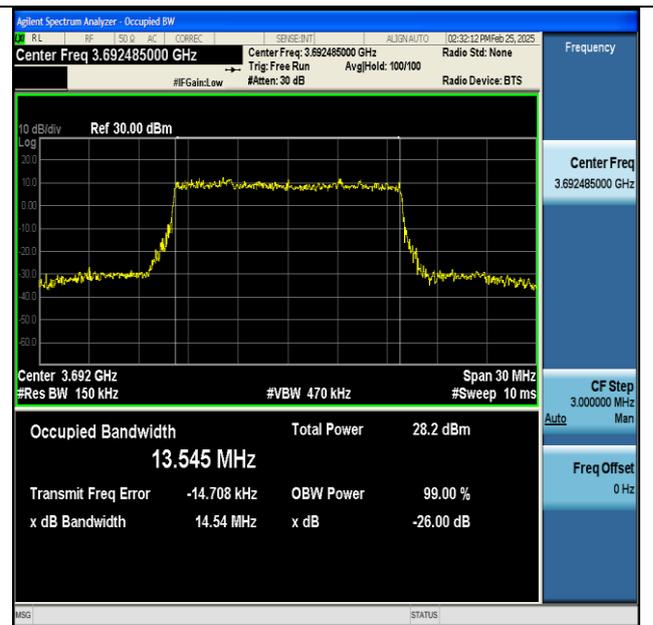- Freq Offset 0 Hz
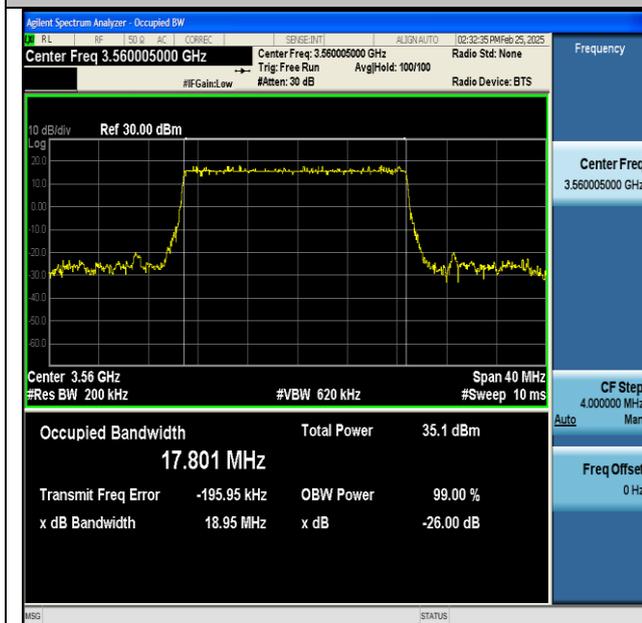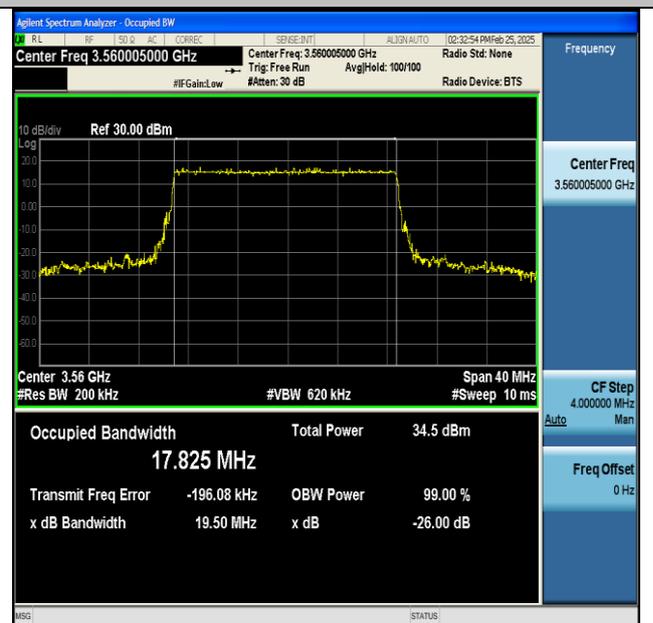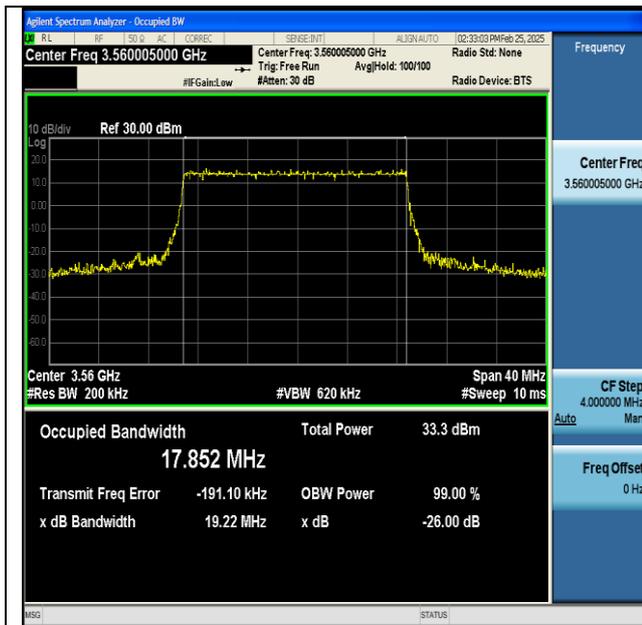
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PASS

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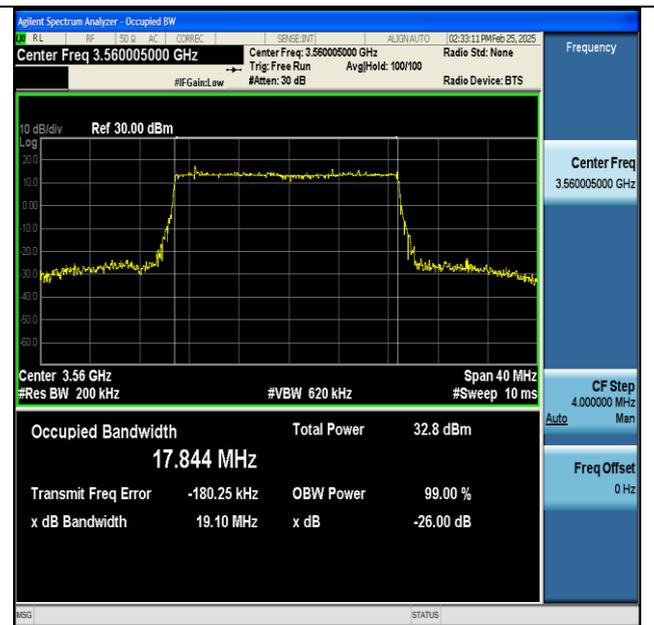PASS

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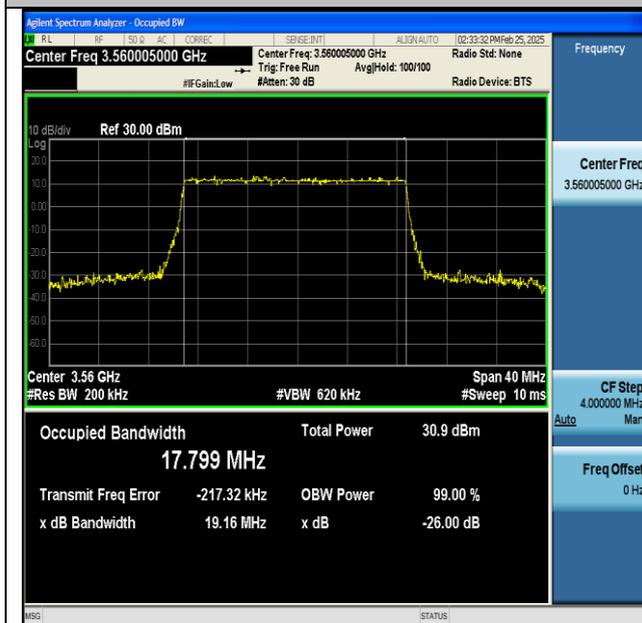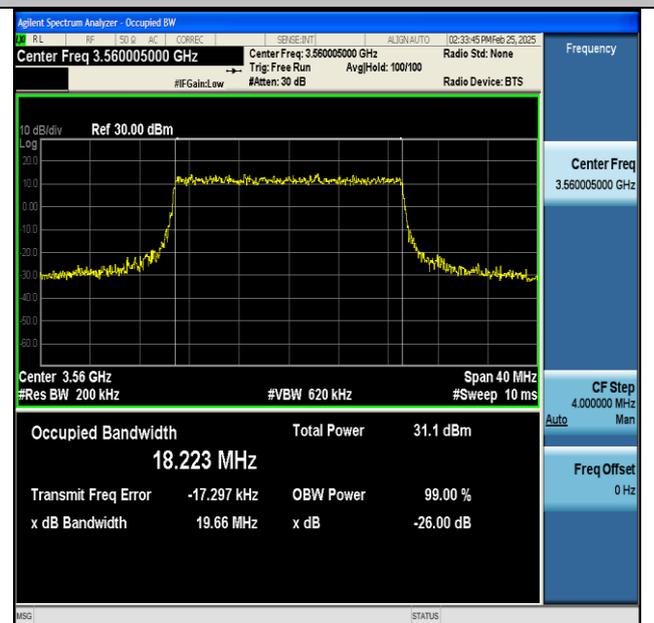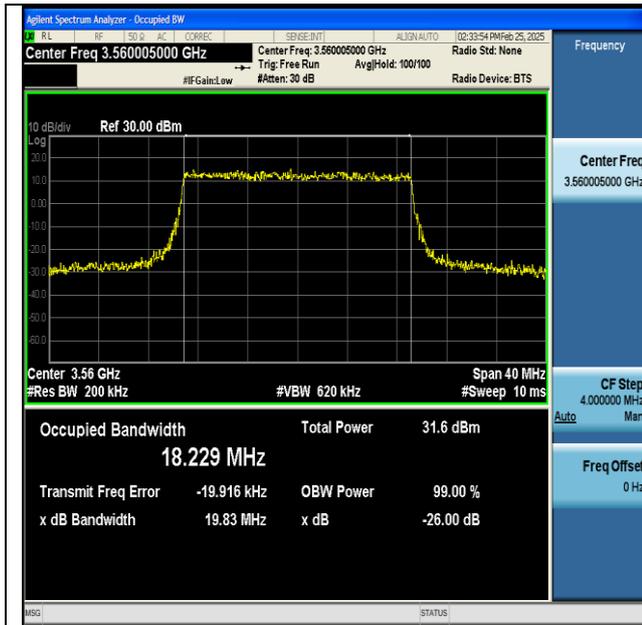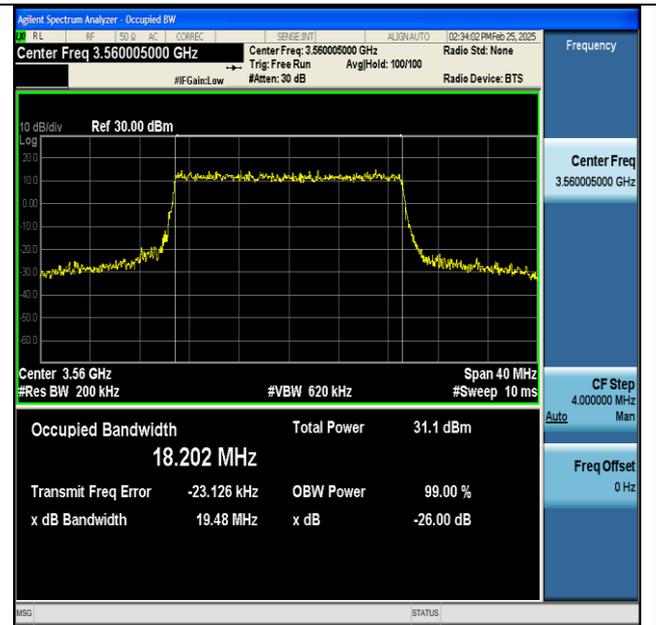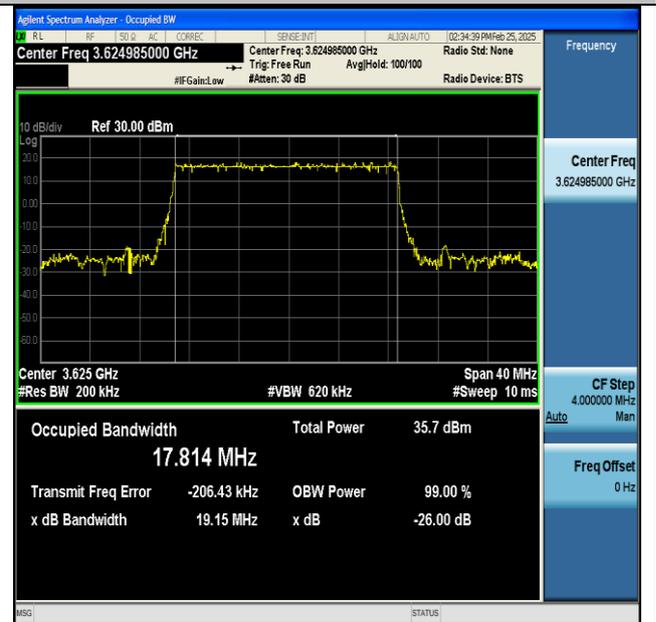PASS

NTNV-n48-PC3-30-20-M-DFT-BPSK-Outer_Full-Ant1-
PASS

NTNV-n48-PC3-30-20-M-DFT-QPSK-Outer_Full-Ant1-PASS	NTNV-n48-PC3-30-20-M-DFT-16QAM-Outer_Full-Ant1-PASS
NTNV-n48-PC3-30-20-M-DFT-64QAM-Outer_Full-Ant1-PASS	NTNV-n48-PC3-30-20-M-DFT-256QAM-Outer_Full-Ant1-PASS

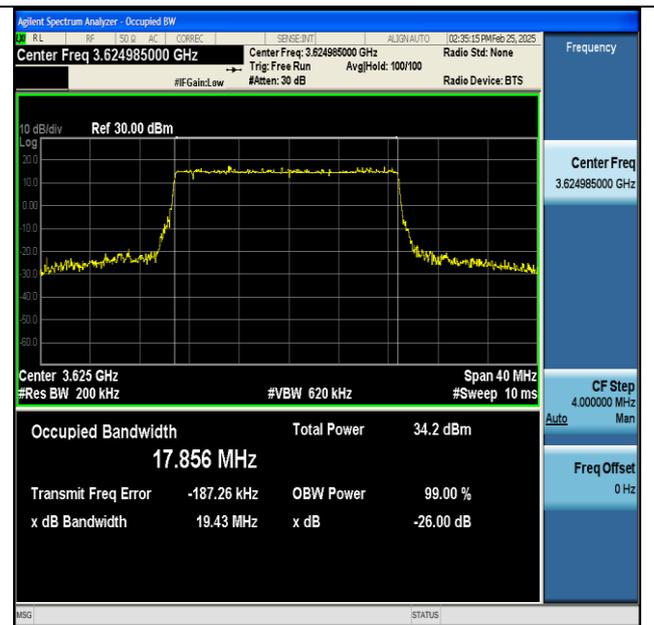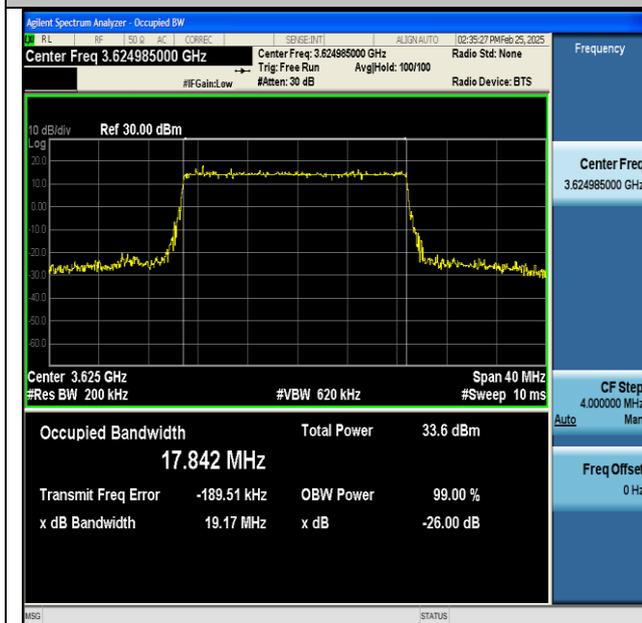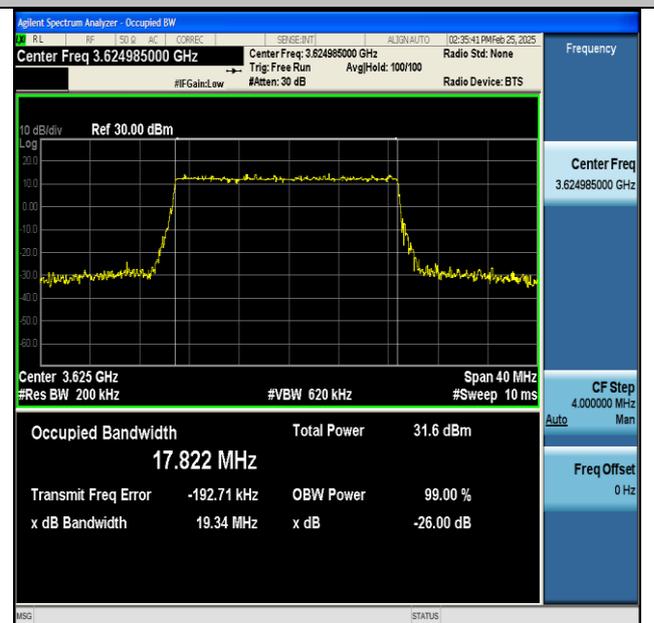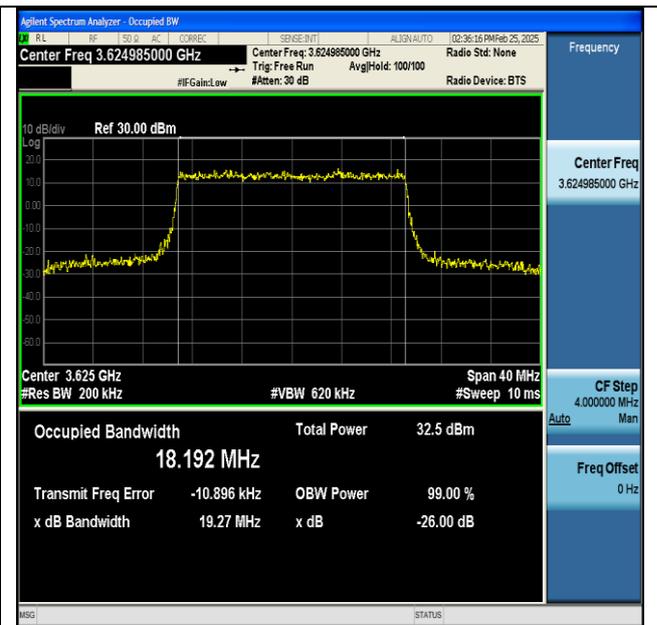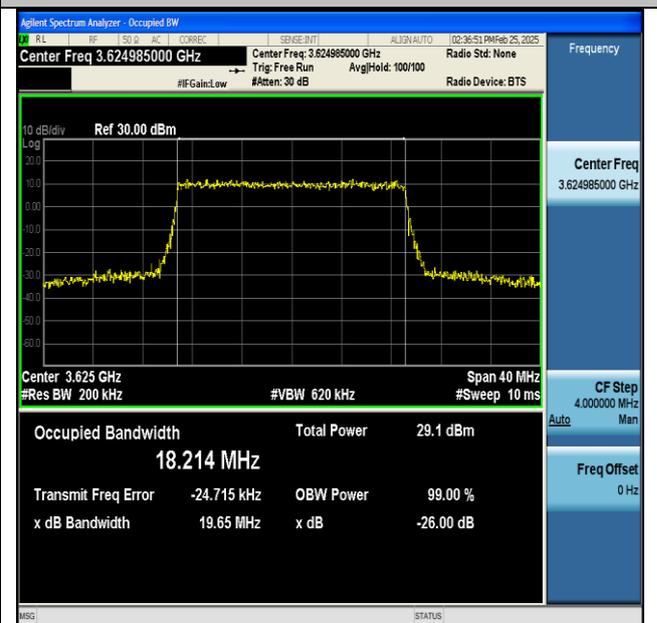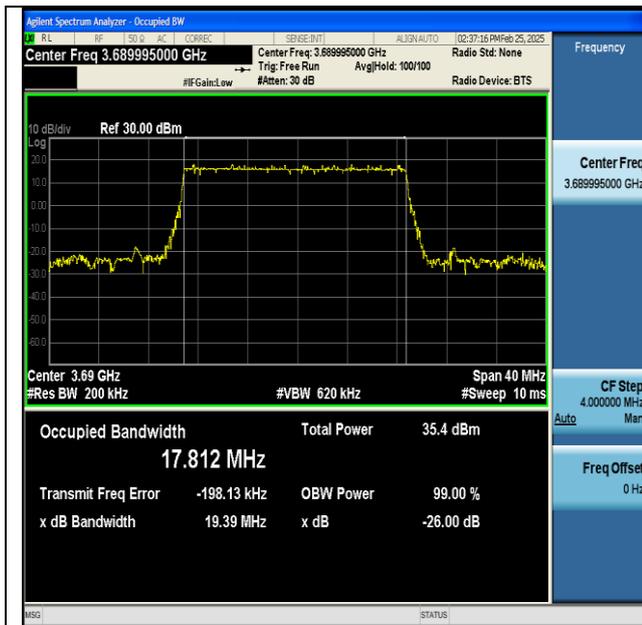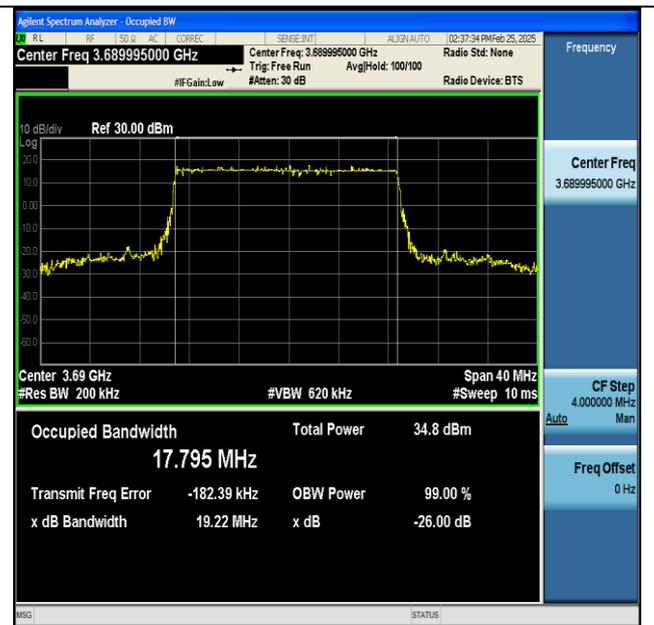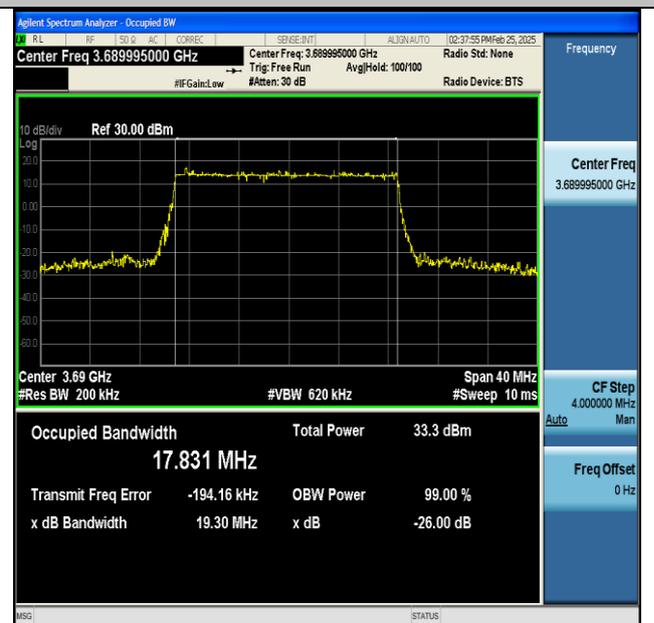|	
NTNV-n48-PC3-30-20-M-CP-QPSK-Outer_Full-Ant1-PASS	NTNV-n48-PC3-30-20-M-CP-16QAM-Outer_Full-Ant1-PASS
NTNV-n48-PC3-30-20-M-CP-64QAM-Outer_Full-Ant1-PASS	NTNV-n48-PC3-30-20-M-CP-256QAM-Outer_Full-Ant1-PASS

Agilent Spectrum Analyzer - Occupied BW Center Freq 3.689995000 GHz #IFGain:Low #Atten: 30 dB Center Freq: 3.689995000 GHz Radio Std: None Trig: Free Run Avg|Hold: 100/100 Radio Device: BTS 10 dB/div Ref 30.00 dBm Log Center 3.69 GHz Span 40 MHz #Res BW 200 kHz #VBW 620 kHz #Sweep 10 ms Occupied Bandwidth Total Power 35.4 dBm **17.812 MHz** Transmit Freq Error -198.13 kHz OBW Power 99.00 % x dB Bandwidth 19.39 MHz x dB -26.00 dB	**Agilent Spectrum Analyzer - Occupied BW** Center Freq 3.689995000 GHz #IFGain:Low #Atten: 30 dB Center Freq: 3.689995000 GHz Radio Std: None Trig: Free Run Avg|Hold: 100/100 Radio Device: BTS 10 dB/div Ref 30.00 dBm Log Center 3.69 GHz Span 40 MHz #Res BW 200 kHz #VBW 620 kHz #Sweep 10 ms Occupied Bandwidth Total Power 34.8 dBm **17.795 MHz** Transmit Freq Error -182.39 kHz OBW Power 99.00 % x dB Bandwidth 19.22 MHz x dB -26.00 dB
NTNV-n48-PC3-30-20-H-DFT-BPSK-Outer_Full-Ant1- PASS	NTNV-n48-PC3-30-20-H-DFT-QPSK-Outer_Full-Ant1- PASS
Agilent Spectrum Analyzer - Occupied BW Center Freq 3.689995000 GHz #IFGain:Low #Atten: 30 dB Center Freq: 3.689995000 GHz Radio Std: None Trig: Free Run Avg|Hold: 100/100 Radio Device: BTS 10 dB/div Ref 30.00 dBm Log Center 3.69 GHz Span 40 MHz #Res BW 200 kHz #VBW 620 kHz #Sweep 10 ms Occupied Bandwidth Total Power 33.9 dBm **17.846 MHz** Transmit Freq Error -186.12 kHz OBW Power 99.00 % x dB Bandwidth 19.18 MHz x dB -26.00 dB	**Agilent Spectrum Analyzer - Occupied BW** Center Freq 3.689995000 GHz #IFGain:Low #Atten: 30 dB Center Freq: 3.689995000 GHz Radio Std: None Trig: Free Run Avg|Hold: 100/100 Radio Device: BTS 10 dB/div Ref 30.00 dBm Log Center 3.69 GHz Span 40 MHz #Res BW 200 kHz #VBW 620 kHz #Sweep 10 ms Occupied Bandwidth Total Power 33.3 dBm **17.831 MHz** Transmit Freq Error -194.16 kHz OBW Power 99.00 % x dB Bandwidth 19.30 MHz x dB -26.00 dB
NTNV-n48-PC3-30-20-H-DFT-16QAM-Outer_Full-Ant1- PASS	NTNV-n48-PC3-30-20-H-DFT-64QAM-Outer_Full-Ant1- PASS