



The figure consists of four screenshots of a Spectrum Analyzer interface, arranged in a 2x2 grid. Each screenshot shows a frequency spectrum with a peak at 860.514 MHz. The interface includes various measurement parameters and settings.

Top Left Screenshot:

- Center Frequency: 860.514 MHz
- Span: 30.000000 MHz
- Ref Lvl Offset: 2.80 dB
- Ref Level: 25.00 dBm
- Mkr1: 860.487 MHz, -48.048 dBm
- Start Freq: 80.000000 MHz
- Stop Freq: 1.000000000 GHz
- CF Step: 97.000000 MHz
- Auto Man
- Freq Offset: 0 Hz
- X Axis Scale: Log
- Start 0.0300 GHz
- #Res BW 1.0 MHz
- #Video BW 1.0 MHz
- Stop 1.0000 GHz
- #Sweep -1.00 s (10001 pts)

Top Right Screenshot:

- Center Frequency: 20.50000000 GHz
- Span: 39.00000000 GHz
- Ref Lvl Offset: 13.39 dB
- Ref Level: 25.00 dBm
- Mkr1: 38.922 625 GHz, -24.061 dBm
- Start Freq: 1.000000000 GHz
- Stop Freq: 40.000000000 GHz
- CF Step: 3.900000000 GHz
- Auto Man
- Freq Offset: 0 Hz
- X Axis Scale: Log
- Start 1.00 GHz
- #Res BW 1.0 MHz
- #Video BW 3.0 MHz
- Stop 40.00 GHz
- #Sweep -1.00 s (40001 pts)

Bottom Left Screenshot:

- Center Frequency: 860.514 MHz
- Span: 30.000000 MHz
- Ref Lvl Offset: 2.80 dB
- Ref Level: 25.00 dBm
- Mkr1: 860.514 MHz, -48.369 dBm
- Start Freq: 80.000000 MHz
- Stop Freq: 1.000000000 GHz
- CF Step: 97.000000 MHz
- Auto Man
- Freq Offset: 0 Hz
- X Axis Scale: Log
- Start 0.0300 GHz
- #Res BW 1.0 MHz
- #Video BW 1.0 MHz
- Stop 1.0000 GHz
- #Sweep -1.00 s (10001 pts)

Bottom Right Screenshot:

- Center Frequency: 20.50000000 GHz
- Span: 39.00000000 GHz
- Ref Lvl Offset: 13.39 dB
- Ref Level: 25.00 dBm
- Mkr1: 38.890 450 GHz, -23.944 dBm
- Start Freq: 1.000000000 GHz
- Stop Freq: 40.000000000 GHz
- CF Step: 3.900000000 GHz
- Auto Man
- Freq Offset: 0 Hz
- X Axis Scale: Log
- Start 1.00 GHz
- #Res BW 1.0 MHz
- #Video BW 3.0 MHz
- Stop 40.00 GHz
- #Sweep -1.00 s (40001 pts)



Test Report No.: PSU-QSU2312140113RF07



NTNV-N78-3450-3550-PC2-30-20-H-DFT-QPSK-Edge_1RB
Left-Ant5-PASS



NTNV-N78-3450-3550-PC2-30-20-H-DFT-QPSK-Edge_1RB
Left-Ant5-PASS



NTNV-N78-3450-3550-PC2-30-60-L-DFT-QPSK-Edge_1RB
Left-Ant5-PASS



NTNV-N78-3450-3550-PC2-30-60-L-DFT-QPSK-Edge_1RB
Left-Ant5-PASS



Test Report No.: PSU-QSU2312140113RF07



NTNV-N78-3450-3550-PC2-30-60-M-DFT-QPSK-Edge_1RB
Left-Ant5-PASS



NTNV-N78-3450-3550-PC2-30-60-M-DFT-QPSK-Edge_1RB
Left-Ant5-PASS



NTNV-N78-3450-3550-PC2-30-60-H-DFT-QPSK-Edge_1RB
Left-Ant5-PASS



NTNV-N78-3450-3550-PC2-30-60-H-DFT-QPSK-Edge_1RB
Left-Ant5-PASS

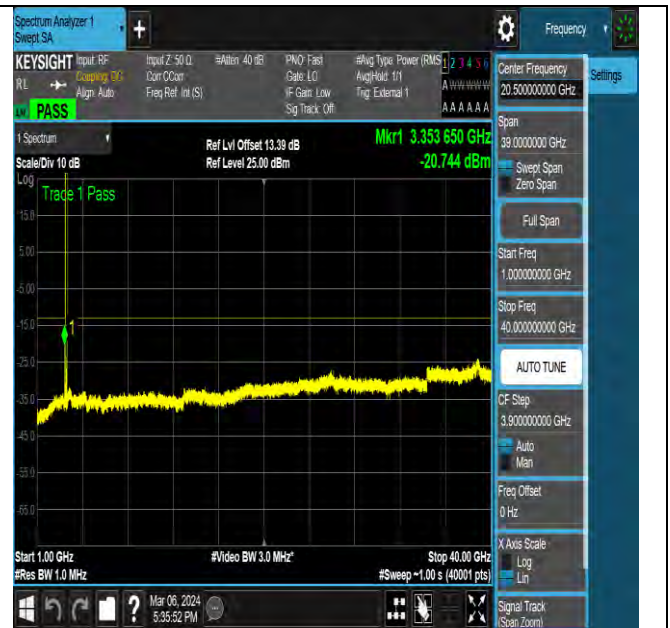


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Test Report No.: PSU-QSU2312140113RF07



NTNV-N78-3450-3550-PC2-30-100-M-DFT-QPSK-Edge_1R
B Left-Ant5-PASS



NTNV-N78-3450-3550-PC2-30-100-M-DFT-QPSK-Edge_1R
B Left-Ant5-PASS



Test Report No.: PSU-QSU2312140113RF07

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
N78-345 0-3550	30	20	DFT-QPSK	L	Outer_Full	VL	NT	1.000000	0.000289	PASS
N78-345 0-3550	30	20	DFT-QPSK	L	Outer_Full	VN	NT	10.000000	0.002890	PASS
N78-345 0-3550	30	20	DFT-QPSK	L	Outer_Full	VH	NT	4.000000	0.001156	PASS
N78-345 0-3550	30	20	DFT-QPSK	M	Outer_Full	VL	NT	2.000000	0.000571	PASS
N78-345 0-3550	30	20	DFT-QPSK	M	Outer_Full	VN	NT	14.000000	0.004000	PASS
N78-345 0-3550	30	20	DFT-QPSK	M	Outer_Full	VH	NT	5.000000	0.001429	PASS
N78-345 0-3550	30	20	DFT-QPSK	H	Outer_Full	VL	NT	9.000000	0.002542	PASS
N78-345 0-3550	30	20	DFT-QPSK	H	Outer_Full	VN	NT	15.000000	0.004237	PASS
N78-345 0-3550	30	20	DFT-QPSK	H	Outer_Full	VH	NT	17.000000	0.004802	PASS

Frequency Error VS. Temperature

Voltage										
Band	SCS	Bandwidth	Modulation	Channel	RB Config	Voltage	Temperature	Deviation (Hz)	Deviation (ppm)	Verdict
N78-345 0-3550	30	20	DFT-QPSK	L	Outer_Full	NV	-30	7.000000	0.002023	PASS
N78-345 0-3550	30	20	DFT-QPSK	L	Outer_Full	NV	-20	19.000000	0.005491	PASS
N78-345 0-3550	30	20	DFT-QPSK	L	Outer_Full	NV	-10	13.000000	0.003757	PASS
N78-345 0-3550	30	20	DFT-QPSK	L	Outer_Full	NV	0	3.000000	0.000867	PASS
N78-345 0-3550	30	20	DFT-QPSK	L	Outer_Full	NV	10	6.000000	0.001734	PASS
N78-345	30	20	DFT-QPSK	L	Outer_Full	NV	20	19.000000	0.005491	PASS



Test Report No.: PSU-QSU2312140113RF07

0-3550										
N78-345 0-3550	30	20	DFT-QPSK	L	Outer_Full	NV	30	9.000000	0.002601	PASS
N78-345 0-3550	30	20	DFT-QPSK	L	Outer_Full	NV	40	15.000000	0.004335	PASS
N78-345 0-3550	30	20	DFT-QPSK	L	Outer_Full	NV	50	8.000000	0.002312	PASS
N78-345 0-3550	30	20	DFT-QPSK	M	Outer_Full	NV	-30	14.000000	0.004000	PASS
N78-345 0-3550	30	20	DFT-QPSK	M	Outer_Full	NV	-20	8.000000	0.002286	PASS
N78-345 0-3550	30	20	DFT-QPSK	M	Outer_Full	NV	-10	11.000000	0.003143	PASS
N78-345 0-3550	30	20	DFT-QPSK	M	Outer_Full	NV	0	4.000000	0.001143	PASS
N78-345 0-3550	30	20	DFT-QPSK	M	Outer_Full	NV	10	17.000000	0.004857	PASS
N78-345 0-3550	30	20	DFT-QPSK	M	Outer_Full	NV	20	19.000000	0.005429	PASS
N78-345 0-3550	30	20	DFT-QPSK	M	Outer_Full	NV	30	1.000000	0.000286	PASS
N78-345 0-3550	30	20	DFT-QPSK	M	Outer_Full	NV	40	7.000000	0.002000	PASS
N78-345 0-3550	30	20	DFT-QPSK	M	Outer_Full	NV	50	9.000000	0.002571	PASS
N78-345 0-3550	30	20	DFT-QPSK	H	Outer_Full	NV	-30	11.000000	0.003107	PASS
N78-345 0-3550	30	20	DFT-QPSK	H	Outer_Full	NV	-20	14.000000	0.003955	PASS
N78-345 0-3550	30	20	DFT-QPSK	H	Outer_Full	NV	-10	14.000000	0.003955	PASS
N78-345 0-3550	30	20	DFT-QPSK	H	Outer_Full	NV	0	4.000000	0.001130	PASS
N78-345 0-3550	30	20	DFT-QPSK	H	Outer_Full	NV	10	14.000000	0.003955	PASS
N78-345 0-3550	30	20	DFT-QPSK	H	Outer_Full	NV	20	1.000000	0.000282	PASS
N78-345 0-3550	30	20	DFT-QPSK	H	Outer_Full	NV	30	13.000000	0.003672	PASS
N78-345 0-3550	30	20	DFT-QPSK	H	Outer_Full	NV	40	16.000000	0.004520	PASS
N78-345 0-3550	30	20	DFT-QPSK	H	Outer_Full	NV	50	9.000000	0.002542	PASS



Test Report No.: PSU-QSU2312140113RF07

N78_UL_MIMO-3450-3550

PEAK-TO-AVERAGE RATIO FOR MIMO

Peak-to-Average Ratio(CCDFF)

Test Result-Ant5

Band	SCS	Bandwidth	Modulation	Channel	RB Config	Result	Limit	Verdict
N78-3450-3550	30	20	CP-QPSK	L	Outer_Full	8.12	≤13	PASS
N78-3450-3550	30	20	CP-QPSK	L	Edge_1RB_Left	6.22	≤13	PASS
N78-3450-3550	30	20	CP-QPSK	M	Outer_Full	8.26	≤13	PASS
N78-3450-3550	30	20	CP-QPSK	M	Edge_1RB_Left	6.07	≤13	PASS
N78-3450-3550	30	20	CP-QPSK	H	Outer_Full	7.36	≤13	PASS
N78-3450-3550	30	20	CP-QPSK	H	Edge_1RB_Left	6.73	≤13	PASS

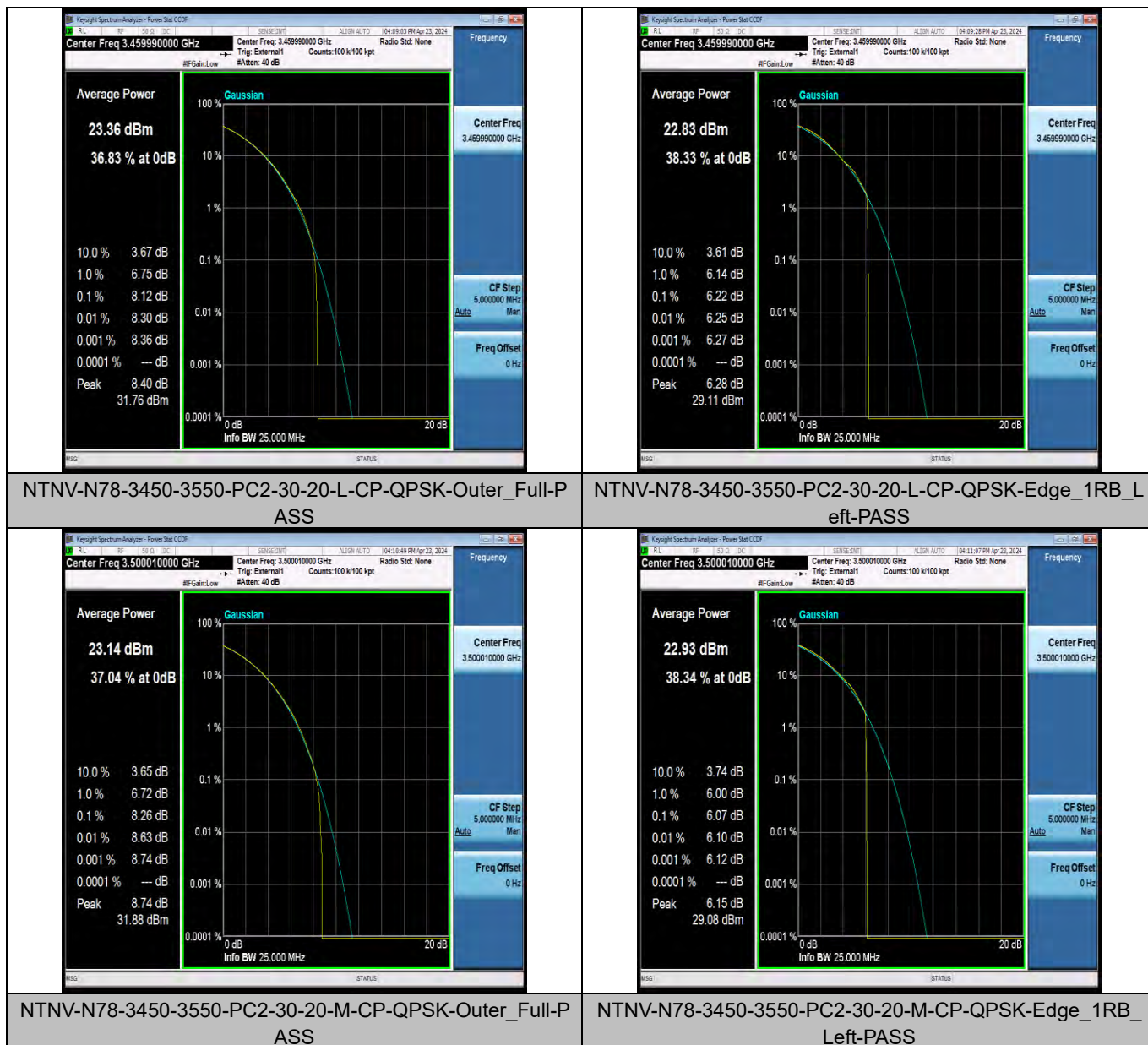
Test Result-Ant3

Band	SCS	Bandwidth	Modulation	Channel	RB Config	Result	Limit	Verdict
N78-3450-3550	30	20	CP-QPSK	L	Outer_Full	8.18	≤13	PASS
N78-3450-3550	30	20	CP-QPSK	L	Edge_1RB_Left	5.79	≤13	PASS
N78-3450-3550	30	20	CP-QPSK	M	Outer_Full	7.66	≤13	PASS
N78-3450-3550	30	20	CP-QPSK	M	Edge_1RB_Left	5.80	≤13	PASS
N78-3450-3550	30	20	CP-QPSK	H	Outer_Full	7.31	≤13	PASS
N78-3450-3550	30	20	CP-QPSK	H	Edge_1RB_Left	7.16	≤13	PASS



Test Report No.: PSU-QSU2312140113RF07

Test Graphs-Ant5



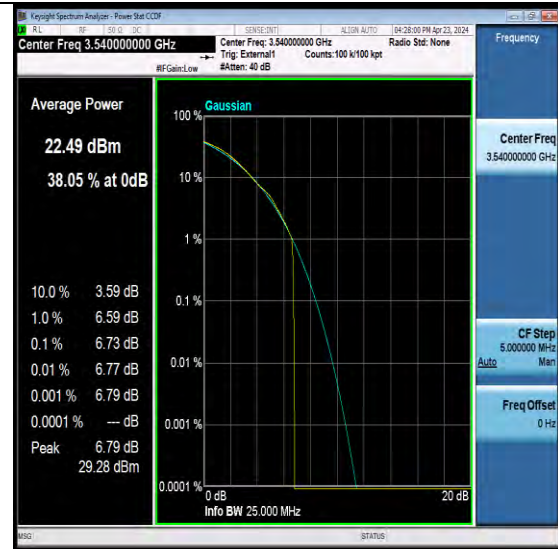


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Test Report No.: PSU-QSU2312140113RF07

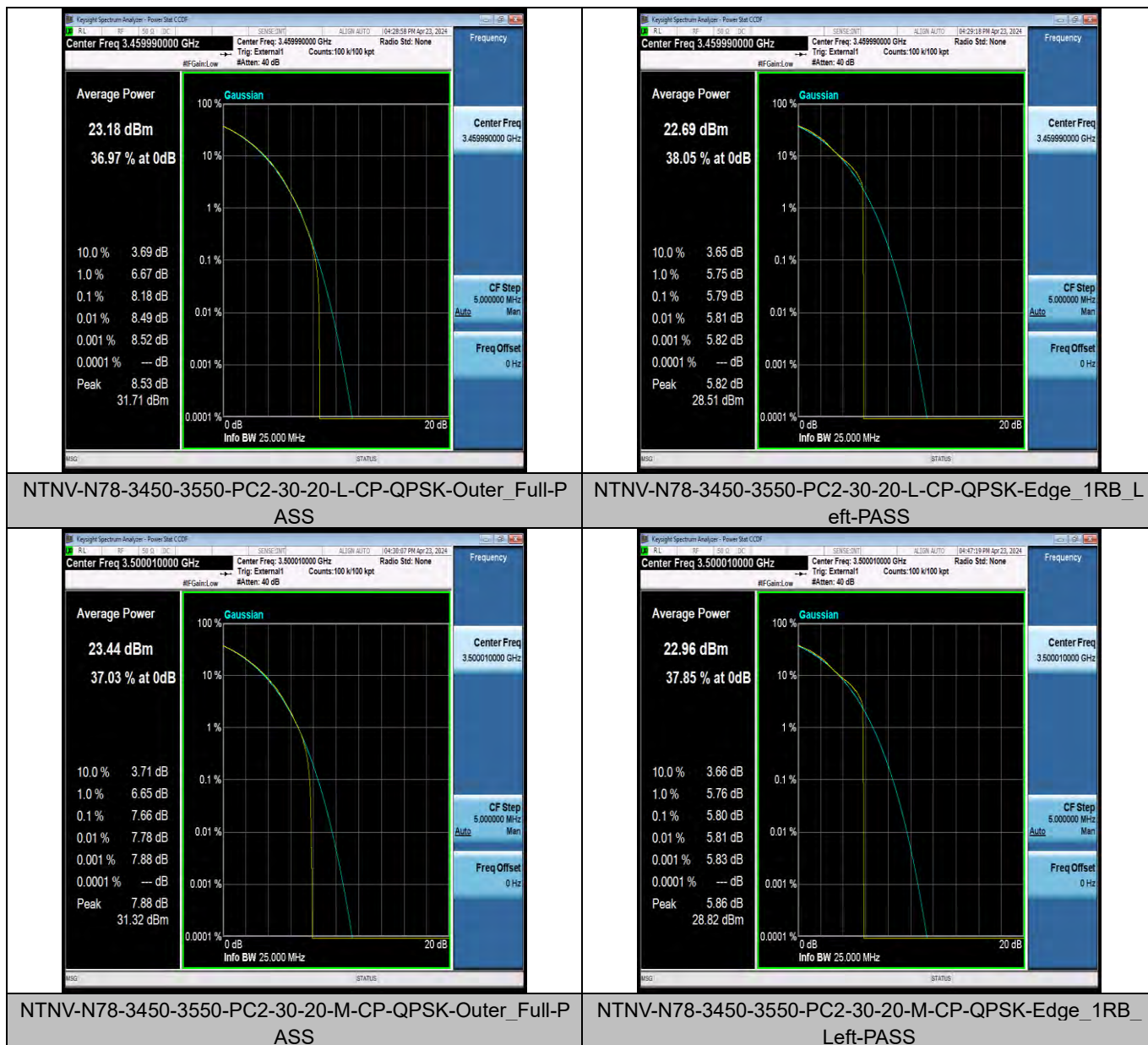


NTNV-N78-3450-3550-PC2-30-20-H-CP-QPSK-Outer_Full-P
ASS



NTNV-N78-3450-3550-PC2-30-20-H-CP-QPSK-Edge_1RB_
Left-PASS

Test Graphs-Ant3



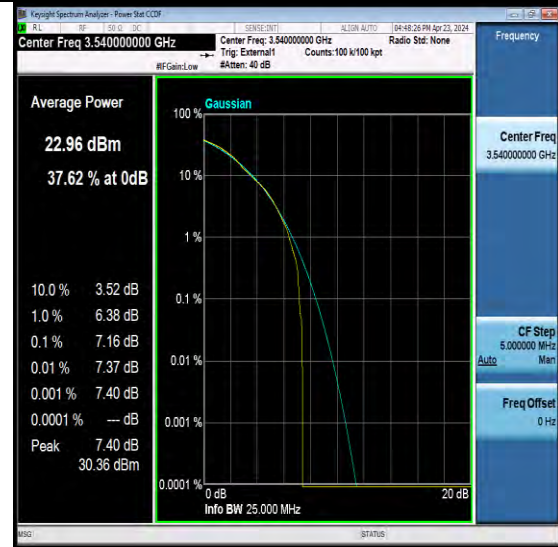


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Test Report No.: PSU-QSU2312140113RF07



NTNV-N78-3450-3550-PC2-30-20-H-CP-QPSK-Outer_Full-P
ASS



NTNV-N78-3450-3550-PC2-30-20-H-CP-QPSK-Edge_1RB_
Left-PASS

26DB BANDWIDTH AND OCCUPIED BANDWIDTH FOR MIMO

Test Result-Ant5

Band	SCS	Bandwidth	Modulation	Channel	RB Config	Result (99%)	Result (26dB)	Verdict
N78-3450-3550	30	20	CP-QPSK	M	Outer_Full	18.183	19.49	PASS
N78-3450-3550	30	20	CP-16QAM	M	Outer_Full	18.223	19.34	PASS
N78-3450-3550	30	20	CP-64QAM	M	Outer_Full	18.177	19.20	PASS
N78-3450-3550	30	20	CP-256QAM	M	Outer_Full	18.194	19.15	PASS
N78-3450-3550	30	30	CP-QPSK	M	Outer_Full	27.813	28.97	PASS
N78-3450-3550	30	30	CP-16QAM	M	Outer_Full	27.804	29.35	PASS
N78-3450-3550	30	30	CP-64QAM	M	Outer_Full	27.848	29.24	PASS
N78-3450-3550	30	30	CP-256QAM	M	Outer_Full	27.797	29.38	PASS
N78-3450-3550	30	40	CP-QPSK	M	Outer_Full	37.786	39.38	PASS
N78-3450-3550	30	40	CP-16QAM	M	Outer_Full	37.800	39.58	PASS
N78-3450-3550	30	40	CP-64QAM	M	Outer_Full	37.816	39.50	PASS
N78-3450-3550	30	40	CP-256QAM	M	Outer_Full	37.786	39.16	PASS
N78-3450-3550	30	60	CP-QPSK	M	Outer_Full	57.738	59.92	PASS
N78-3450-3550	30	60	CP-16QAM	M	Outer_Full	57.776	60.04	PASS
N78-3450-3550	30	60	CP-64QAM	M	Outer_Full	57.671	59.83	PASS
N78-3450-3550	30	60	CP-256QAM	M	Outer_Full	57.716	59.88	PASS
N78-3450-3550	30	80	CP-QPSK	M	Outer_Full	77.333	80.08	PASS
N78-3450-3550	30	80	CP-16QAM	M	Outer_Full	77.365	79.96	PASS
N78-3450-3550	30	80	CP-64QAM	M	Outer_Full	77.235	80.06	PASS
N78-3450-3550	30	80	CP-256QAM	M	Outer_Full	77.277	80.02	PASS
N78-3450-3550	30	100	CP-QPSK	M	Outer_Full	97.280	100.4	PASS



Test Report No.: PSU-QSU2312140113RF07

N78-3450-3550	30	100	CP-16QAM	M	Outer_Full	97.264	100.4	PASS
N78-3450-3550	30	100	CP-64QAM	M	Outer_Full	97.274	100.5	PASS
N78-3450-3550	30	100	CP-256QAM	M	Outer_Full	97.258	100.5	PASS
N78-3450-3550	30	70	CP-QPSK	M	Outer_Full	67.403	69.72	PASS
N78-3450-3550	30	70	CP-16QAM	M	Outer_Full	67.525	69.79	PASS
N78-3450-3550	30	70	CP-64QAM	M	Outer_Full	67.404	70.04	PASS
N78-3450-3550	30	70	CP-256QAM	M	Outer_Full	67.467	69.71	PASS
N78-3450-3550	30	90	CP-QPSK	M	Outer_Full	87.294	90.31	PASS
N78-3450-3550	30	90	CP-16QAM	M	Outer_Full	87.284	90.33	PASS
N78-3450-3550	30	90	CP-64QAM	M	Outer_Full	87.364	90.25	PASS
N78-3450-3550	30	90	CP-256QAM	M	Outer_Full	87.502	90.44	PASS

Test Result-Ant3

Band	SCS	Bandwidth	Modulation	Channel	RB Config	Result (99%)	Result (26dB)	Verdict
N78-3450-3550	30	20	CP-QPSK	M	Outer_Full	18.192	19.46	PASS
N78-3450-3550	30	20	CP-16QAM	M	Outer_Full	18.139	19.24	PASS
N78-3450-3550	30	20	CP-64QAM	M	Outer_Full	18.175	19.34	PASS
N78-3450-3550	30	20	CP-256QAM	M	Outer_Full	18.173	19.21	PASS
N78-3450-3550	30	30	CP-QPSK	M	Outer_Full	27.833	29.17	PASS
N78-3450-3550	30	30	CP-16QAM	M	Outer_Full	27.802	29.05	PASS
N78-3450-3550	30	30	CP-64QAM	M	Outer_Full	27.855	29.32	PASS
N78-3450-3550	30	30	CP-256QAM	M	Outer_Full	27.782	29.11	PASS
N78-3450-3550	30	40	CP-QPSK	M	Outer_Full	37.838	39.69	PASS
N78-3450-3550	30	40	CP-16QAM	M	Outer_Full	37.836	39.77	PASS
N78-3450-3550	30	40	CP-64QAM	M	Outer_Full	37.788	39.54	PASS
N78-3450-3550	30	40	CP-256QAM	M	Outer_Full	37.850	39.73	PASS
N78-3450	30	60	CP-QPSK	M	Outer_Full	57.693	60.01	PASS



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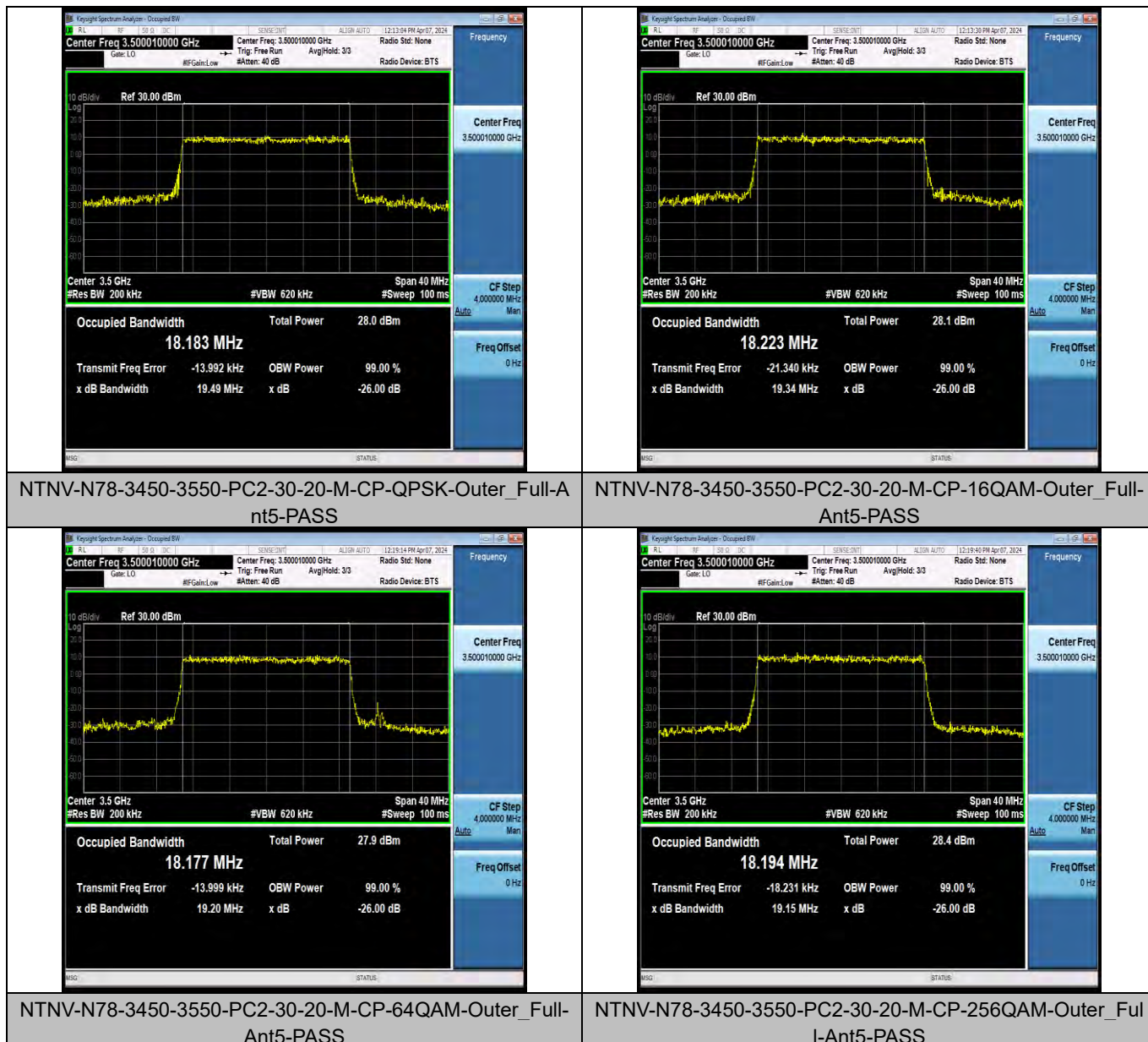
Test Report No.: PSU-QSU2312140113RF07

-3550								
N78-3450 -3550	30	60	CP-16QAM	M	Outer_Full	57.776	59.92	PASS
N78-3450 -3550	30	60	CP-64QAM	M	Outer_Full	57.740	59.92	PASS
N78-3450 -3550	30	60	CP-256QAM	M	Outer_Full	57.678	59.93	PASS
N78-3450 -3550	30	80	CP-QPSK	M	Outer_Full	77.460	80.17	PASS
N78-3450 -3550	30	80	CP-16QAM	M	Outer_Full	77.280	80.00	PASS
N78-3450 -3550	30	80	CP-64QAM	M	Outer_Full	77.352	79.95	PASS
N78-3450 -3550	30	80	CP-256QAM	M	Outer_Full	77.304	79.92	PASS
N78-3450 -3550	30	100	CP-QPSK	M	Outer_Full	97.239	100.5	PASS
N78-3450 -3550	30	100	CP-16QAM	M	Outer_Full	97.505	100.5	PASS
N78-3450 -3550	30	100	CP-64QAM	M	Outer_Full	97.430	100.5	PASS
N78-3450 -3550	30	100	CP-256QAM	M	Outer_Full	97.451	100.6	PASS
N78-3450 -3550	30	70	CP-QPSK	M	Outer_Full	67.415	69.84	PASS
N78-3450 -3550	30	70	CP-16QAM	M	Outer_Full	67.372	69.93	PASS
N78-3450 -3550	30	70	CP-64QAM	M	Outer_Full	67.389	69.83	PASS
N78-3450 -3550	30	70	CP-256QAM	M	Outer_Full	67.340	69.88	PASS
N78-3450 -3550	30	90	CP-QPSK	M	Outer_Full	87.271	90.33	PASS
N78-3450 -3550	30	90	CP-16QAM	M	Outer_Full	87.289	90.26	PASS
N78-3450 -3550	30	90	CP-64QAM	M	Outer_Full	87.296	90.31	PASS
N78-3450 -3550	30	90	CP-256QAM	M	Outer_Full	87.270	90.30	PASS



Test Report No.: PSU-QSU2312140113RF07

Test Graphs-Ant5





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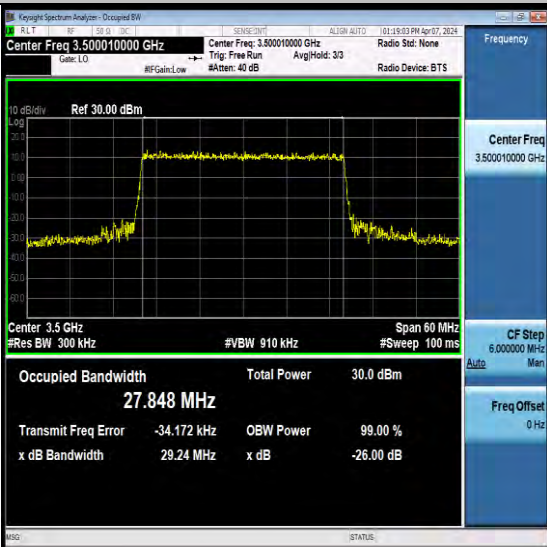
Test Report No.: PSU-QSU2312140113RF07



NTNV-N78-3450-3550-PC2-30-30-M-CP-QPSK-Outer_Full-Ant5-PASS



NTNV-N78-3450-3550-PC2-30-30-M-CP-16QAM-Outer_Full-Ant5-PASS



NTNV-N78-3450-3550-PC2-30-30-M-CP-64QAM-Outer_Full-Ant5-PASS



NTNV-N78-3450-3550-PC2-30-30-M-CP-256QAM-Outer_Full-Ant5-PASS



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Test Report No.: PSU-QSU2312140113RF07



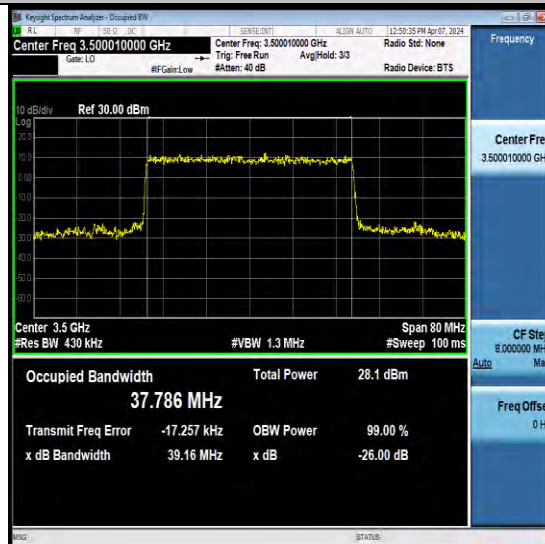
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NTNV-N78-3450-3550-PC2-30-40-M-CP-64QAM-Outer_Full-Ant5-PASS



NTNV-N78-3450-3550-PC2-30-40-M-CP-256QAM-Outer_Full-Ant5-PASS



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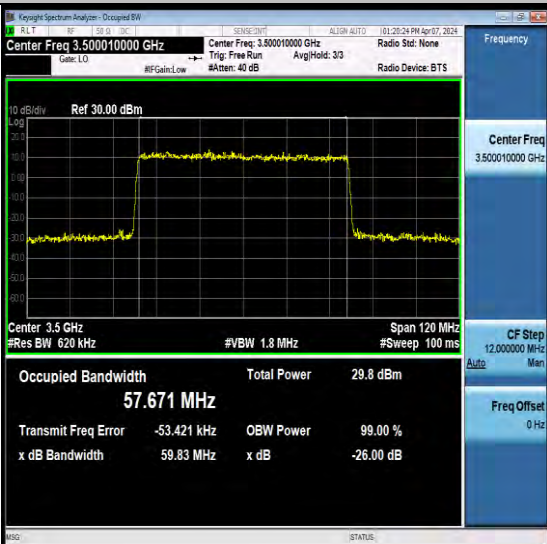
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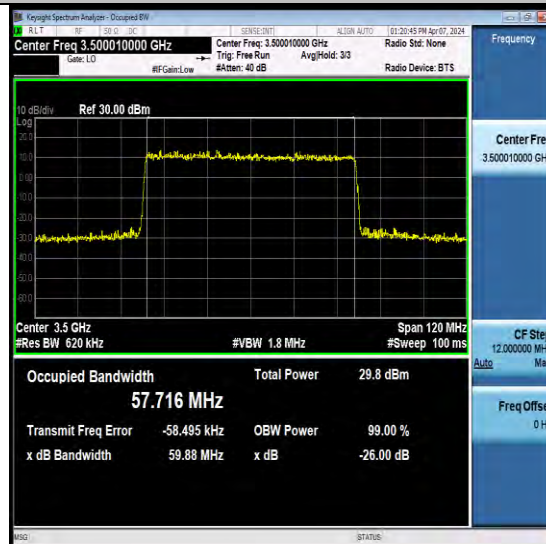
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NTNV-N78-3450-3550-PC2-30-60-M-CP-16QAM-Outet_Full-Ant5-PASS



NTNV-N78-3450-3550-PC2-30-60-M-CP-64QAM-Outet_Full-Ant5-PASS



NTNV-N78-3450-3550-PC2-30-60-M-CP-256QAM-Outet_Full-Ant5-PASS



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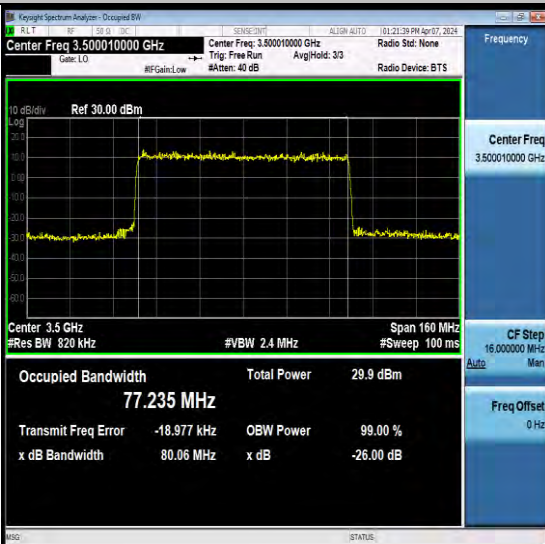
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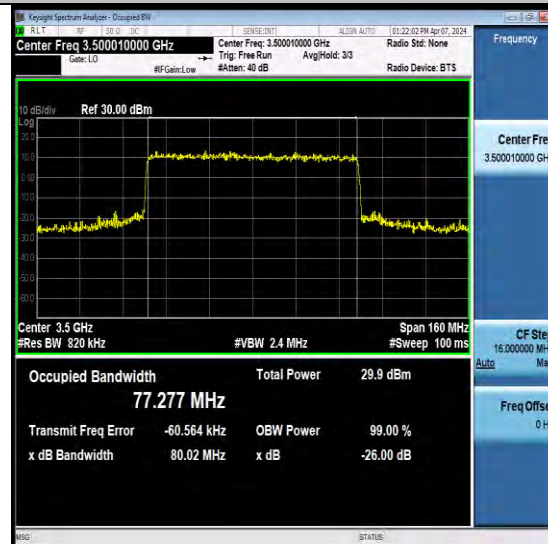
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NTNV-N78-3450-3550-PC2-30-80-M-CP-16QAM-Outet_Full-Ant5-PASS



NTNV-N78-3450-3550-PC2-30-80-M-CP-64QAM-Outet_Full-Ant5-PASS



NTNV-N78-3450-3550-PC2-30-80-M-CP-256QAM-Outet_Full-Ant5-PASS



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Test Report No.: PSU-QSU2312140113RF07



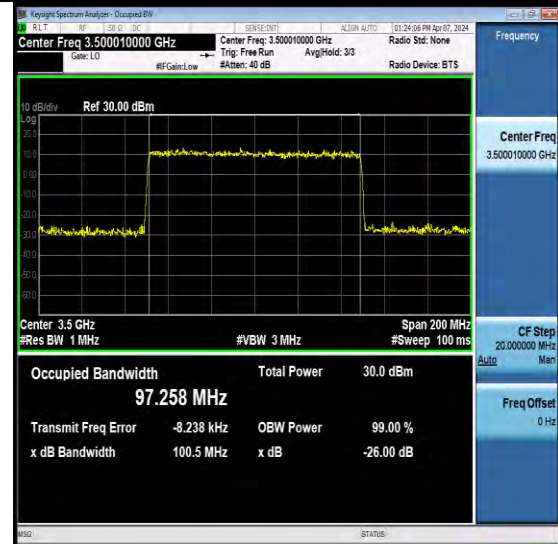
NTNV-N78-3450-3550-PC2-30-100-M-CP-QPSK-Outter_Full-Ant5-PASS



NTNV-N78-3450-3550-PC2-30-100-M-CP-16QAM-Outter_Full-Ant5-PASS



NTNV-N78-3450-3550-PC2-30-100-M-CP-64QAM-Outter_Full-Ant5-PASS



NTNV-N78-3450-3550-PC2-30-100-M-CP-256QAM-Outter_Full-Ant5-PASS



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Test Report No.: PSU-QSU2312140113RF07



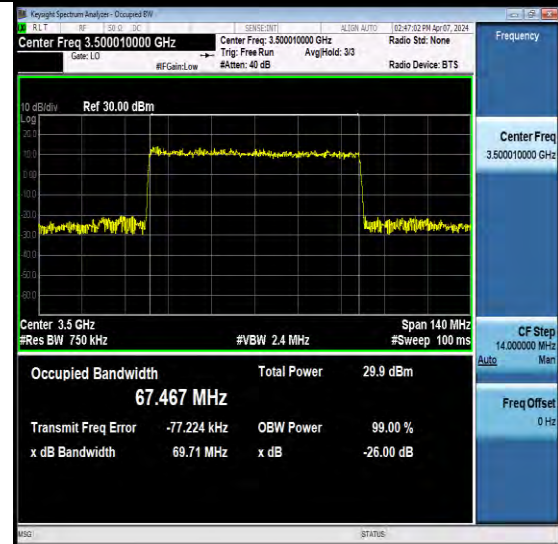
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nt5-PASS



NTNV-N78-3450-3550-PC2-30-70-M-CP-16QAM-Outet_Full-A
nt5-PASS



NTNV-N78-3450-3550-PC2-30-70-M-CP-64QAM-Outet_Full-A
nt5-PASS



NTNV-N78-3450-3550-PC2-30-70-M-CP-256QAM-Outet_Full-A
nt5-PASS



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Test Report No.: PSU-QSU2312140113RF07



NTNV-N78-3450-3550-PC2-30-90-M-CP-QPSK-Outer_Full-Ant5-PASS



NTNV-N78-3450-3550-PC2-30-90-M-CP-16QAM-Outer_Full-Ant5-PASS



NTNV-N78-3450-3550-PC2-30-90-M-CP-64QAM-Outer_Full-Ant5-PASS

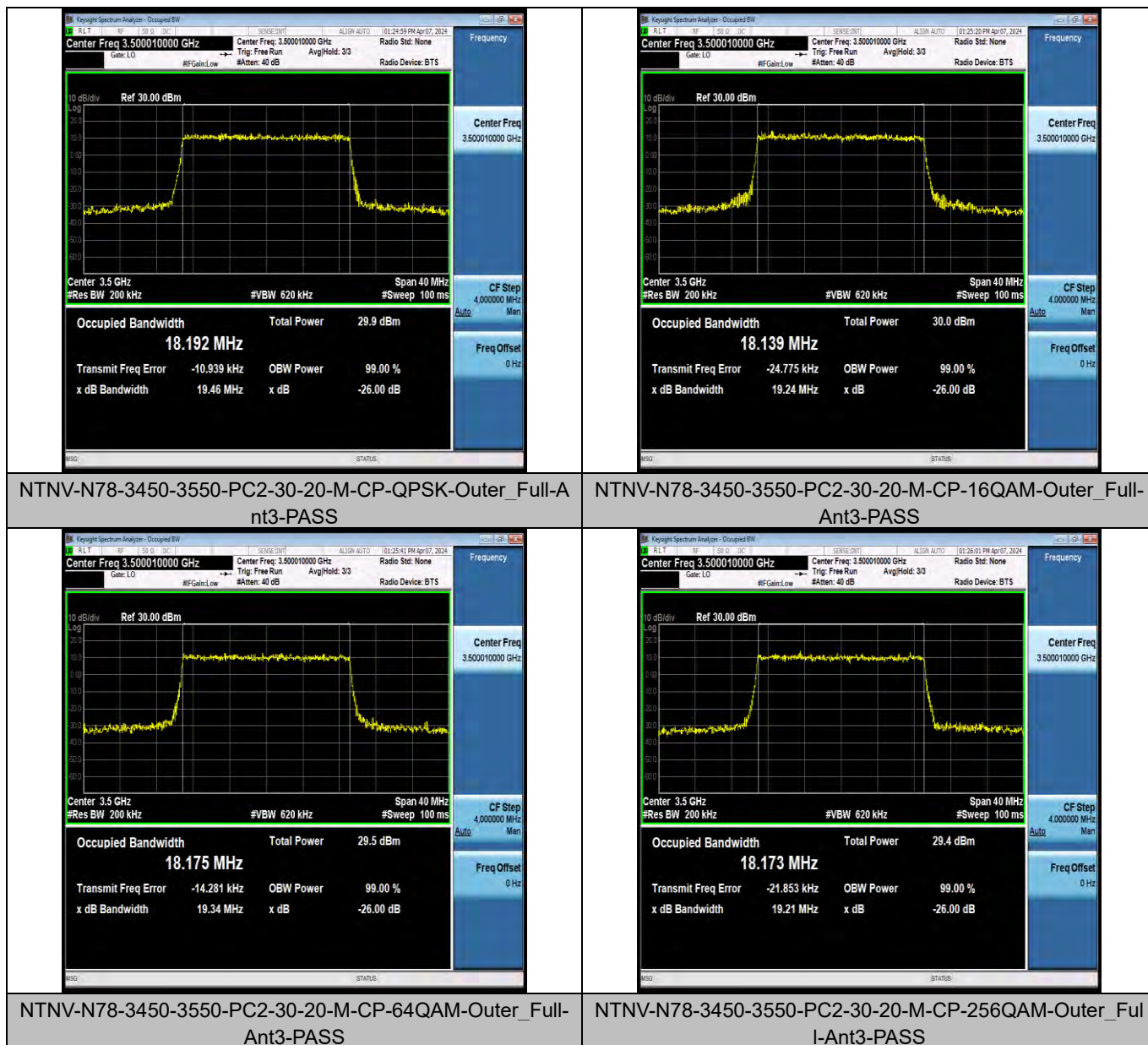


NTNV-N78-3450-3550-PC2-30-90-M-CP-256QAM-Outer_Full-Ant5-PASS



Test Report No.: PSU-QSU2312140113RF07

Test Graphs-Ant3





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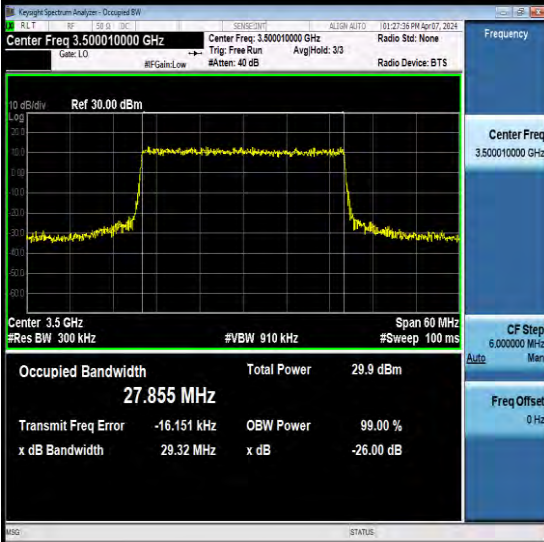
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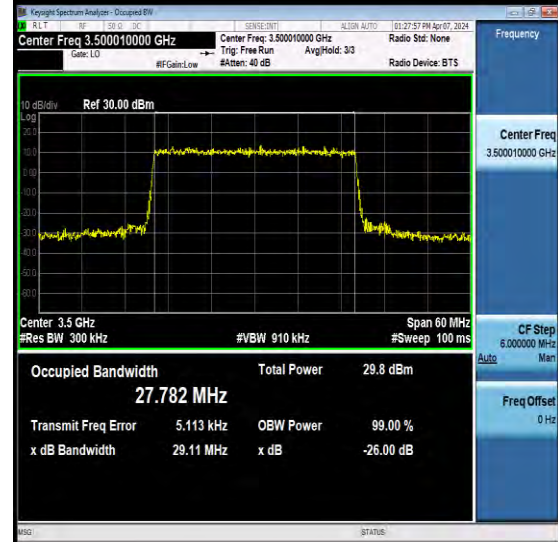
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NTNV-N78-3450-3550-PC2-30-30-M-CP-16QAM-Outer_Full-Ant3-PASS



NTNV-N78-3450-3550-PC2-30-30-M-CP-64QAM-Outer_Full-Ant3-PASS



NTNV-N78-3450-3550-PC2-30-30-M-CP-256QAM-Outer_Full-Ant3-PASS



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Test Report No.: PSU-QSU2312140113RF07



NTNV-N78-3450-3550-PC2-30-40-M-CP-QPSK-Outer_Full-Ant3-PASS



NTNV-N78-3450-3550-PC2-30-40-M-CP-16QAM-Outer_Full-Ant3-PASS



NTNV-N78-3450-3550-PC2-30-40-M-CP-64QAM-Outer_Full-Ant3-PASS

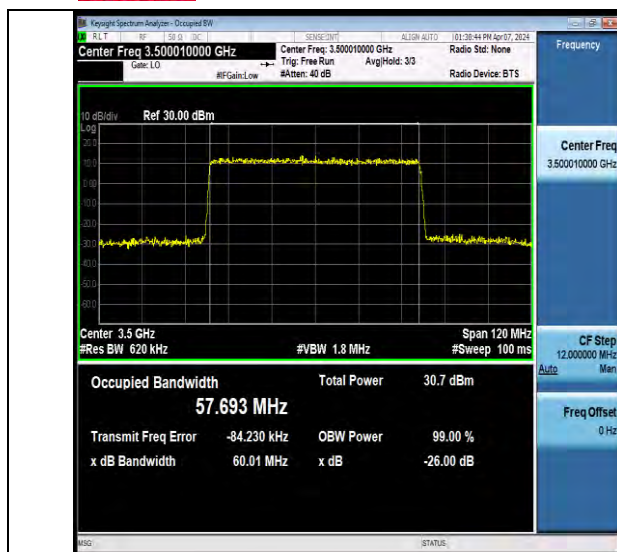


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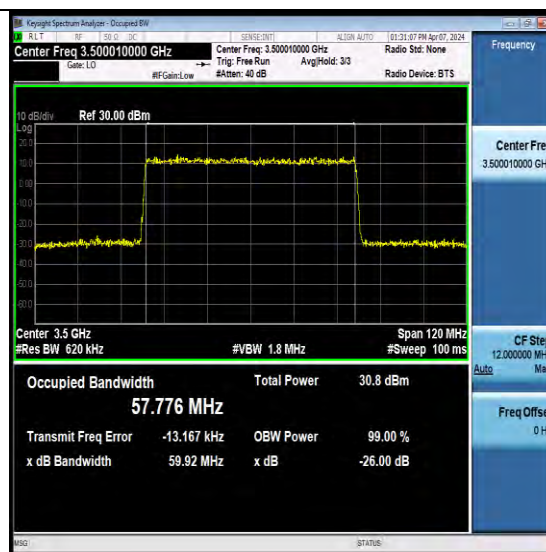


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Test Report No.: PSU-QSU2312140113RF07



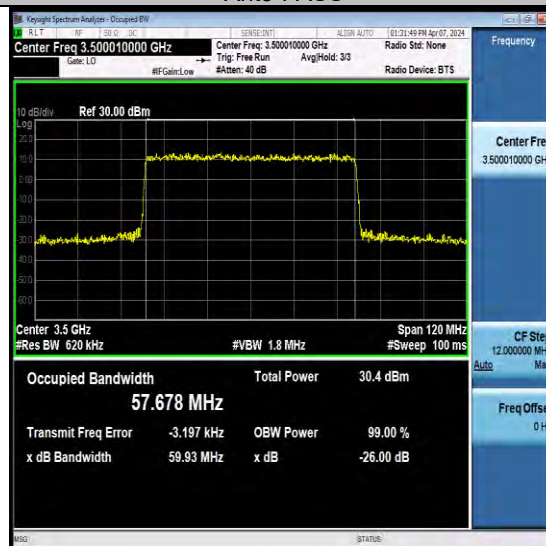
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NTNV-N78-3450-3550-PC2-30-60-M-CP-16QAM-Outet_Full-Ant3-PASS



NTNV-N78-3450-3550-PC2-30-60-M-CP-64QAM-Outet_Full-Ant3-PASS



NTNV-N78-3450-3550-PC2-30-60-M-CP-256QAM-Outet_Full-Ant3-PASS



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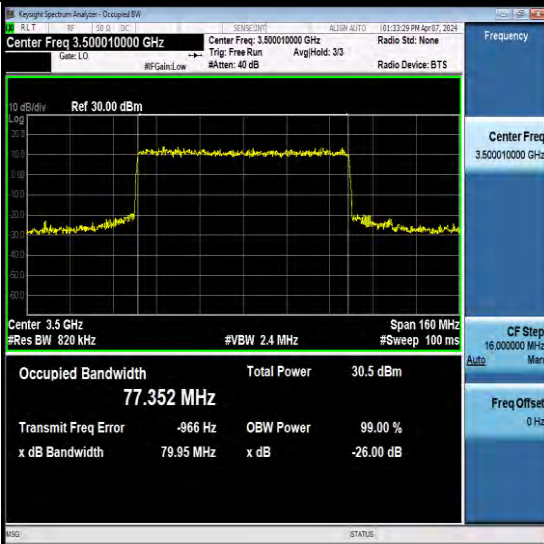
Test Report No.: PSU-QSU2312140113RF07



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nt3-PASS



NTNV-N78-3450-3550-PC2-30-80-M-CP-16QAM-Outet_Full-A
Ant3-PASS



NTNV-N78-3450-3550-PC2-30-80-M-CP-64QAM-Outet_Full-A
Ant3-PASS



NTNV-N78-3450-3550-PC2-30-80-M-CP-256QAM-Outet_Full-A
I-Ant3-PASS



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Test Report No.: PSU-QSU2312140113RF07



NTNV-N78-3450-3550-PC2-30-100-M-CP-QPSK-Outer_Full-Ant3-PASS



NTNV-N78-3450-3550-PC2-30-100-M-CP-16QAM-Outer_Full-Ant3-PASS



NTNV-N78-3450-3550-PC2-30-100-M-CP-64QAM-Outer_Full-Ant3-PASS



NTNV-N78-3450-3550-PC2-30-100-M-CP-256QAM-Outer_Full-Ant3-PASS



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VERITAS

Test Report No.: PSU-QSU2312140113RF07



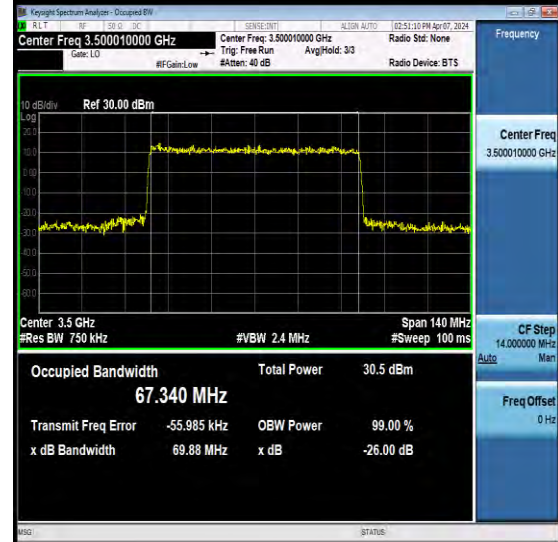
NTNV-N78-3450-3550-PC2-30-70-M-CP-QPSK-Outer_Full-Ant3-PASS



NTNV-N78-3450-3550-PC2-30-70-M-CP-16QAM-Outer_Full-Ant3-PASS



NTNV-N78-3450-3550-PC2-30-70-M-CP-64QAM-Outer_Full-Ant3-PASS



NTNV-N78-3450-3550-PC2-30-70-M-CP-256QAM-Outer_Full-Ant3-PASS

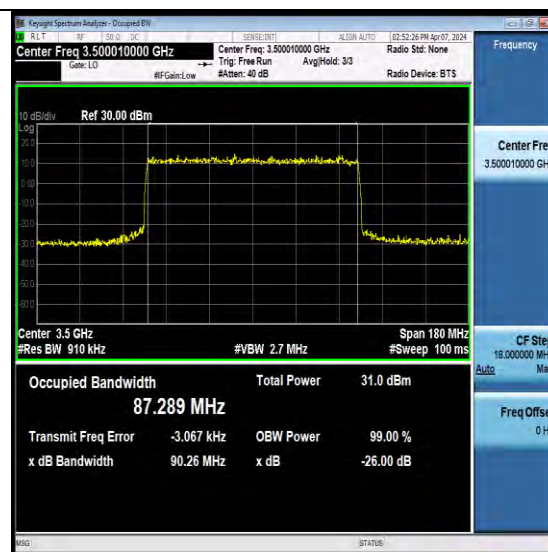


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VERITAS

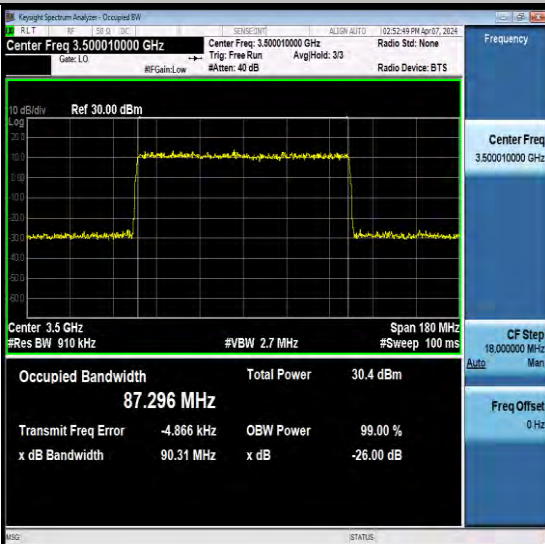
Test Report No.: PSU-QSU2312140113RF07



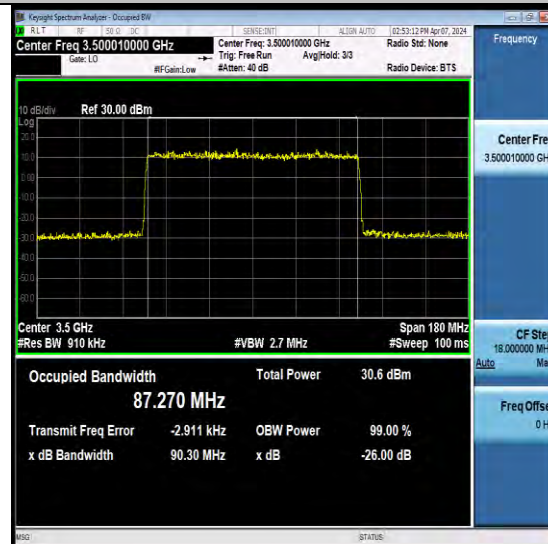
NTNV-N78-3450-3550-PC2-30-90-M-CP-QPSK-Outer_Full-Ant3-PASS



NTNV-N78-3450-3550-PC2-30-90-M-CP-16QAM-Outer_Full-Ant3-PASS



NTNV-N78-3450-3550-PC2-30-90-M-CP-64QAM-Outer_Full-Ant3-PASS



NTNV-N78-3450-3550-PC2-30-90-M-CP-256QAM-Outer_Full-Ant3-PASS

BAND EDGE FOR MIMO

Test Result-Ant5

Band	SCS	Bandwidth	Modulation	Channel	RB Config	Result	Verdict
N78-3450-3550	30	20	CP-QPSK	L	Outer_Full	-34.70	PASS
N78-3450-3550	30	20	CP-QPSK	L	Edge_1RB_Left	-30.32	PASS
N78-3450-3550	30	20	CP-QPSK	H	Outer_Full	-33.36	PASS
N78-3450-3550	30	20	CP-QPSK	H	Edge_1RB_Right	-32.44	PASS
N78-3450-3550	30	60	CP-QPSK	L	Outer_Full	-37.97	PASS
N78-3450-3550	30	60	CP-QPSK	L	Edge_1RB_Left	-31.41	PASS
N78-3450-3550	30	60	CP-QPSK	H	Outer_Full	-37.19	PASS
N78-3450-3550	30	60	CP-QPSK	H	Edge_1RB_Right	-34.09	PASS
N78-3450-3550	30	100	CP-QPSK	M	Outer_Full	-36.44	PASS
N78-3450-3550	30	100	CP-QPSK	M	Edge_1RB_Left	-32.03	PASS
N78-3450-3550	30	100	CP-QPSK	M	Edge_1RB_Right	-35.00	PASS

Test Result-Ant3

Band	SCS	Bandwidth	Modulation	Channel	RB Config	Result	Verdict
N78-3450-3550	30	20	CP-QPSK	L	Outer_Full	-35.02	PASS
N78-3450-3550	30	20	CP-QPSK	L	Edge_1RB_Left	-31.25	PASS
N78-3450-3550	30	20	CP-QPSK	H	Outer_Full	-34.10	PASS
N78-3450-3550	30	20	CP-QPSK	H	Edge_1RB_Right	-31.27	PASS
N78-3450-3550	30	60	CP-QPSK	L	Outer_Full	-36.96	PASS
N78-3450-3550	30	60	CP-QPSK	L	Edge_1RB_Left	-31.43	PASS
N78-3450-3550	30	60	CP-QPSK	H	Outer_Full	-35.90	PASS
N78-3450-3550	30	60	CP-QPSK	H	Edge_1RB_Right	-32.29	PASS
N78-3450-3550	30	100	CP-QPSK	M	Outer_Full	-37.95	PASS



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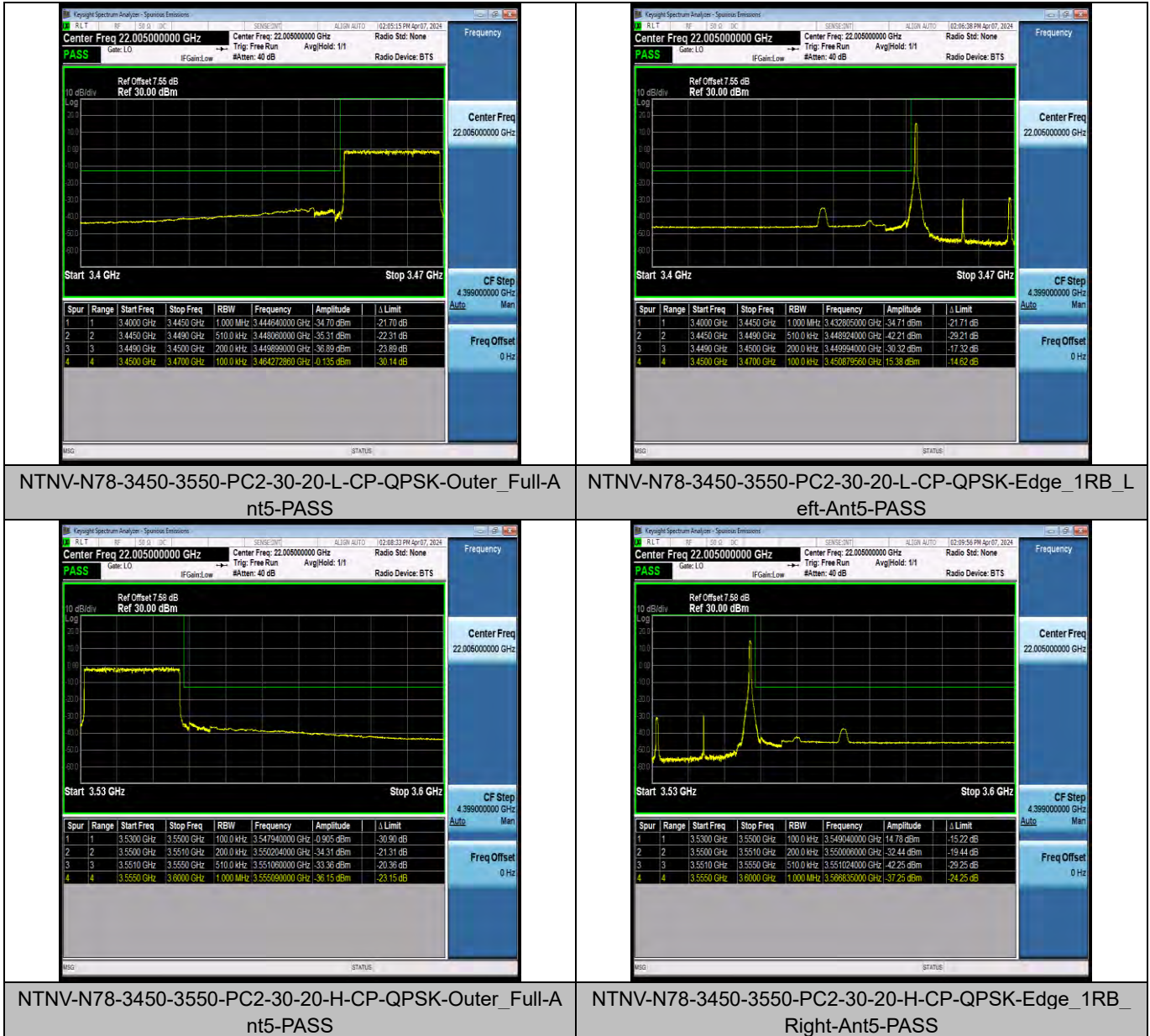
Test Report No.: PSU-QSU2312140113RF07

N78-3450-3 550	30	100	CP-QPSK	M	Edge_1RB_ Left	-32.31	PASS
N78-3450-3 550	30	100	CP-QPSK	M	Edge_1RB_ Right	-32.16	PASS



Test Report No.: PSU-QSU2312140113RF07

Test Graphs-Ant5



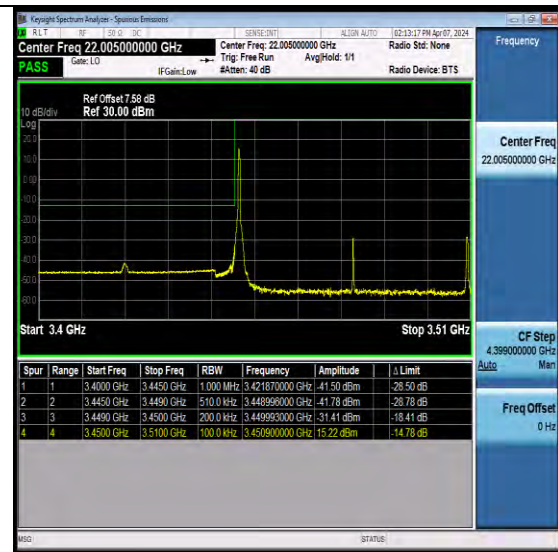


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Test Report No.: PSU-QSU2312140113RF07



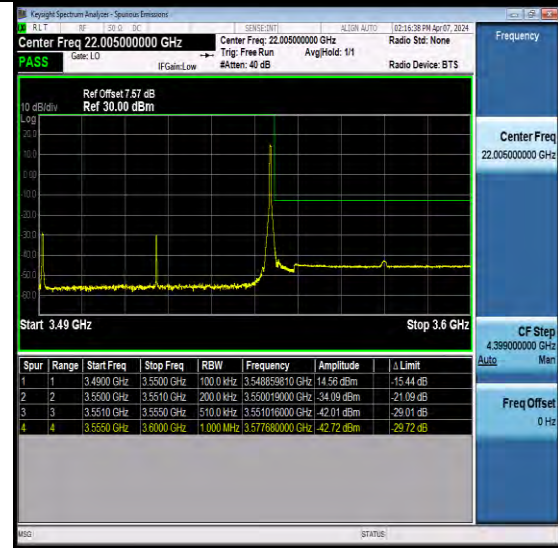
NTNV-N78-3450-3550-PC2-30-60-L-CP-QPSK-Outer_Full-A
nt5-PASS



NTNV-N78-3450-3550-PC2-30-60-L-CP-QPSK-Edge_1RB_L
eft-Ant5-PASS



NTNV-N78-3450-3550-PC2-30-60-H-CP-QPSK-Outer_Full-A
nt5-PASS



NTNV-N78-3450-3550-PC2-30-60-H-CP-QPSK-Edge_1RB_
Right-Ant5-PASS

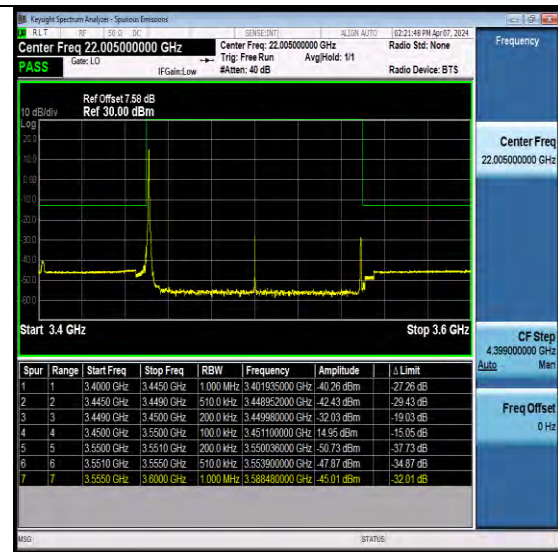


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VERITAS

Test Report No.: PSU-QSU2312140113RF07



NTNV-N78-3450-3550-PC2-30-100-M-CP-QPSK-Outter_Full-Ant5-PASS

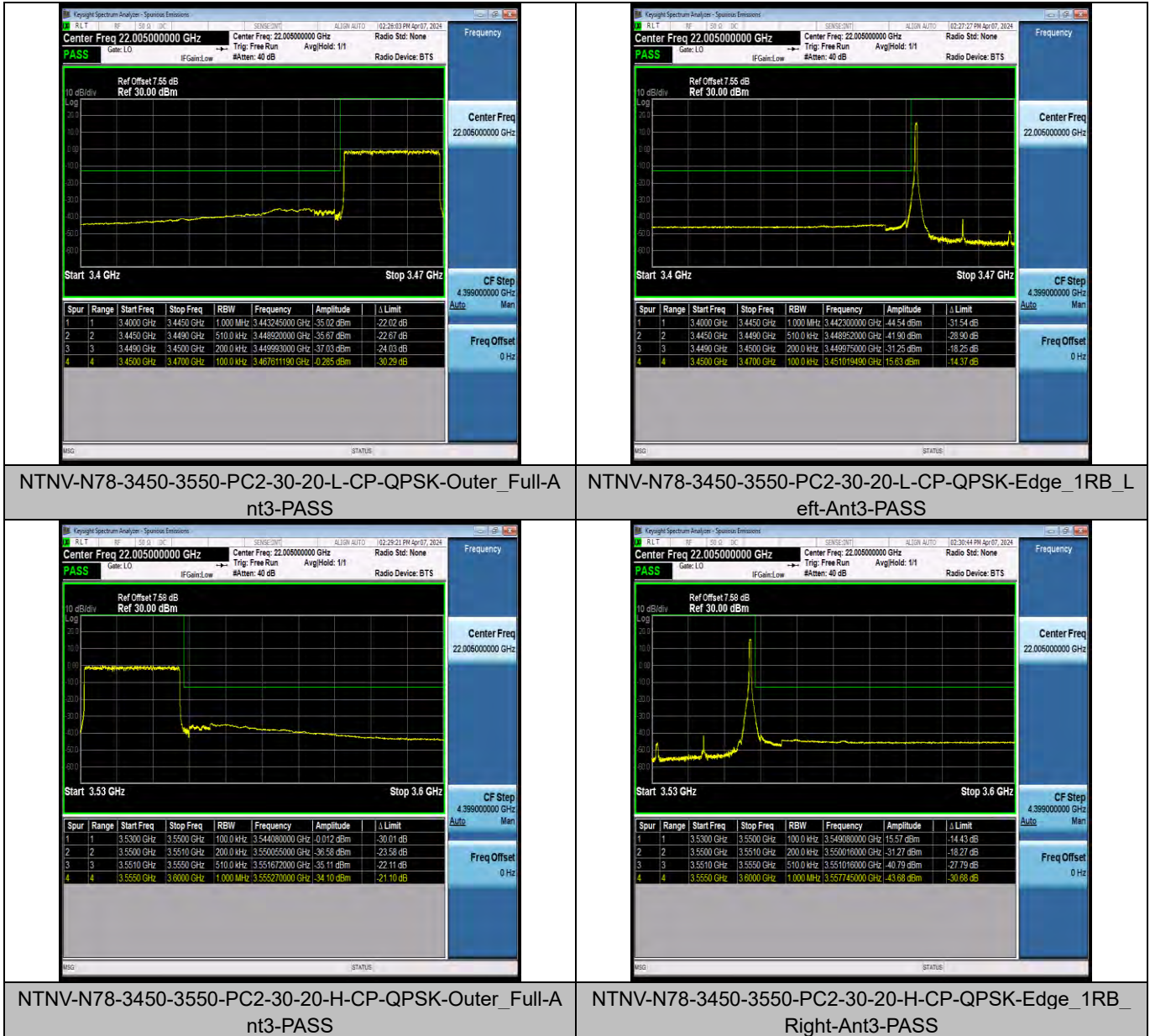


NTNV-N78-3450-3550-PC2-30-100-M-CP-QPSK-Edge_1RB Left-Ant5-PASS



NTNV-N78-3450-3550-PC2-30-100-M-CP-QPSK-Edge_1RB Right-Ant5-PASS

Test Graphs-Ant3

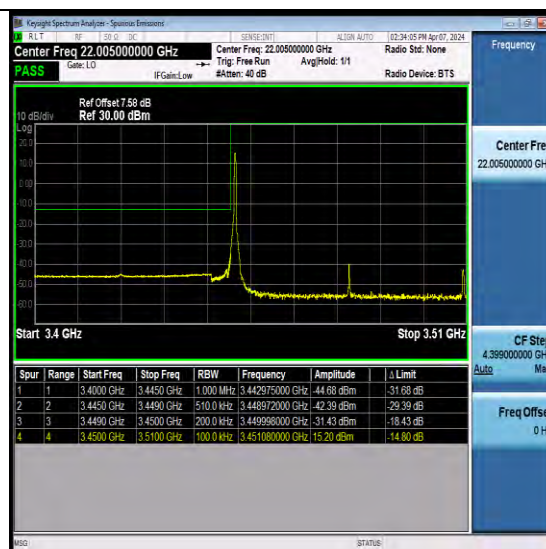




Test Report No.: PSU-QSU2312140113RF07



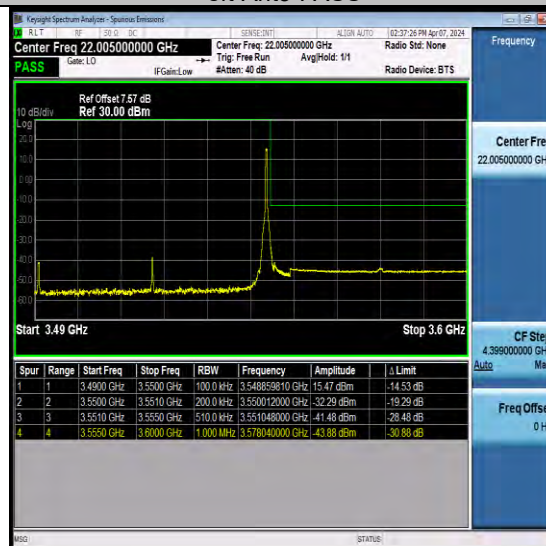
NTNV-N78-3450-3550-PC2-30-60-L-CP-QPSK-Outer_Full-A
nt3-PASS



NTNV-N78-3450-3550-PC2-30-60-L-CP-QPSK-Edge_1RB_L
eft-Ant3-PASS



NTNV-N78-3450-3550-PC2-30-60-H-CP-QPSK-Outer_Full-A
nt3-PASS



NTNV-N78-3450-3550-PC2-30-60-H-CP-QPSK-Edge_1RB_
Right-Ant3-PASS

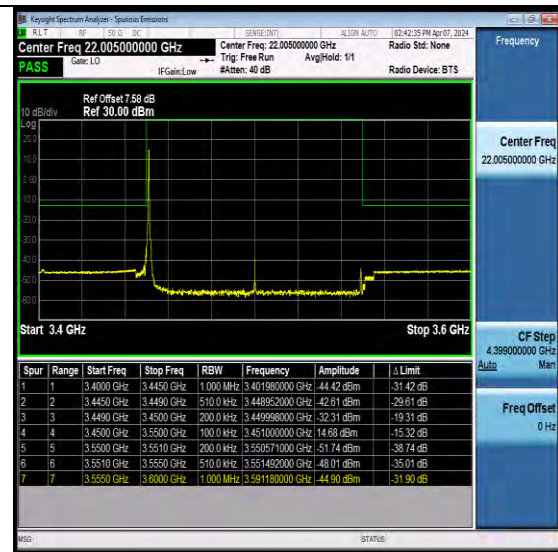


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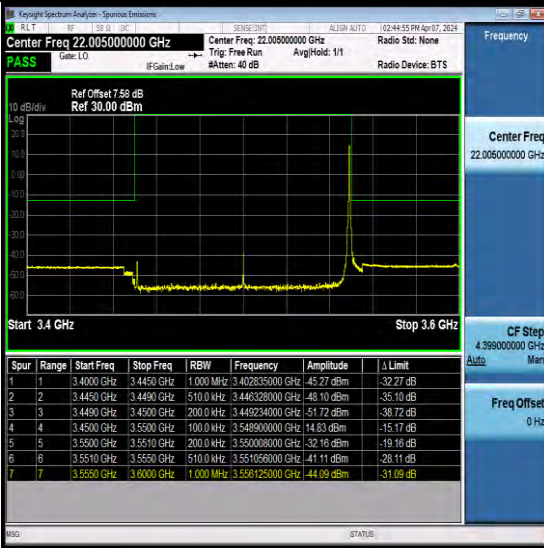
Test Report No.: PSU-QSU2312140113RF07



NTNV-N78-3450-3550-PC2-30-100-M-CP-QPSK-Outter_Full-Ant3-PASS



NTNV-N78-3450-3550-PC2-30-100-M-CP-QPSK-Edge_1RB Left-Ant3-PASS



NTNV-N78-3450-3550-PC2-30-100-M-CP-QPSK-Edge_1RB Right-Ant3-PASS



Test Report No.: PSU-QSU2312140113RF07

CONDUCTED SPURIOUS EMISSION FOR MIMO

Test Result-ANT5

Band	SCS	Bandwidth	Modulation	Channel	RB Config	StartFreq	StopFreq	Result	Limit	Verdict
N78-3 450-3550	30	20	CP-QPSK	L	Edge_1RB_Left	30	1000	-45.19	-13	PASS
N78-3 450-3550	30	20	CP-QPSK	L	Edge_1RB_Left	1000	40000	-22.14	-13	PASS
N78-3 450-3550	30	20	CP-QPSK	M	Edge_1RB_Left	30	1000	-45.02	-13	PASS
N78-3 450-3550	30	20	CP-QPSK	M	Edge_1RB_Left	1000	40000	-22.28	-13	PASS
N78-3 450-3550	30	20	CP-QPSK	H	Edge_1RB_Left	30	1000	-44.76	-13	PASS
N78-3 450-3550	30	20	CP-QPSK	H	Edge_1RB_Left	1000	40000	-22.67	-13	PASS
N78-3 450-3550	30	60	CP-QPSK	L	Edge_1RB_Left	30	1000	-45.11	-13	PASS
N78-3 450-3550	30	60	CP-QPSK	L	Edge_1RB_Left	1000	40000	-19.88	-13	PASS
N78-3 450-3550	30	60	CP-QPSK	M	Edge_1RB_Left	30	1000	-45.41	-13	PASS
N78-3 450-3550	30	60	CP-QPSK	M	Edge_1RB_Left	1000	40000	-22.26	-13	PASS
N78-3 450-3550	30	60	CP-QPSK	H	Edge_1RB_Left	30	1000	-45.13	-13	PASS
N78-3 450-3550	30	60	CP-QPSK	H	Edge_1RB_Left	1000	40000	-22.80	-13	PASS
N78-3 450-3550	30	100	CP-QPSK	M	Edge_1RB_Left	30	1000	-45.15	-13	PASS
N78-3 450-3550	30	100	CP-QPSK	M	Edge_1RB_Left	1000	40000	-20.91	-13	PASS