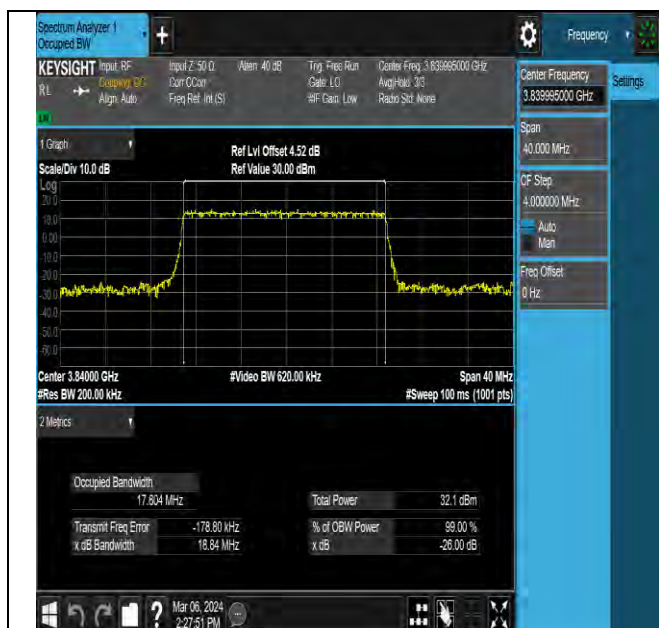


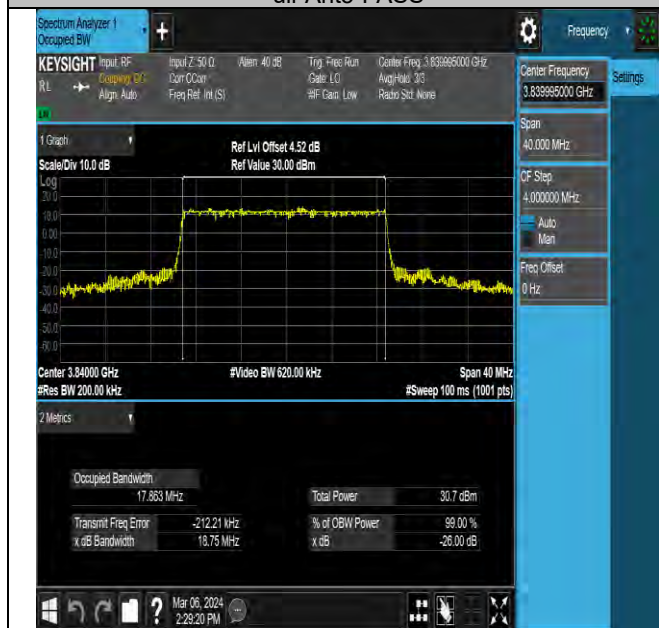
Test Graphs



NTN-N77-3700-3980-PC2-30-20-M-DFT-PI2BPSK-Outer_Full-Ant5-PASS



NTN-N77-3700-3980-PC2-30-20-M-DFT-QPSK-Outer_Full-Ant5-PASS



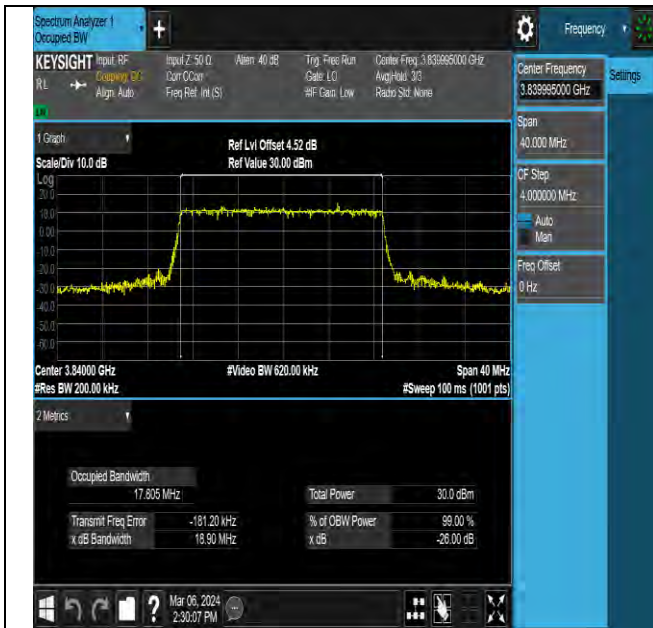
NTN-N77-3700-3980-PC2-30-20-M-DFT-16QAM-Outer_Full-Ant5-PASS



NTN-N77-3700-3980-PC2-30-20-M-DFT-64QAM-Outer_Full-Ant5-PASS



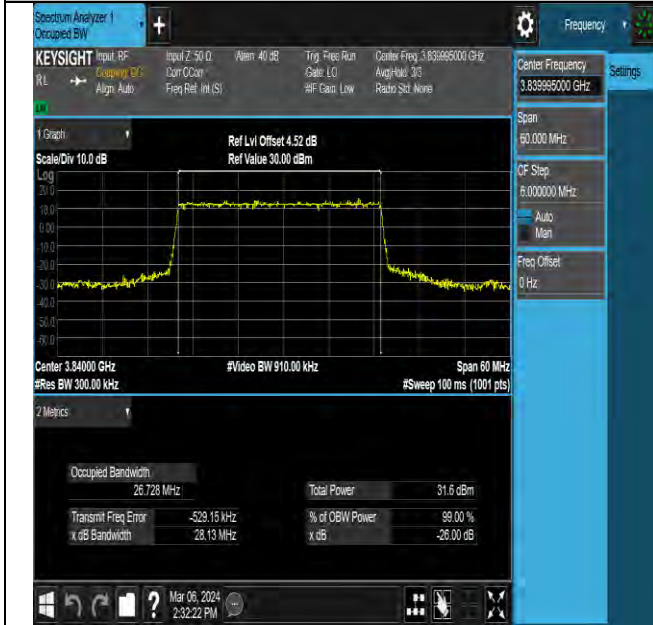
Test Report No.: PSU-QSU2312140113RF07



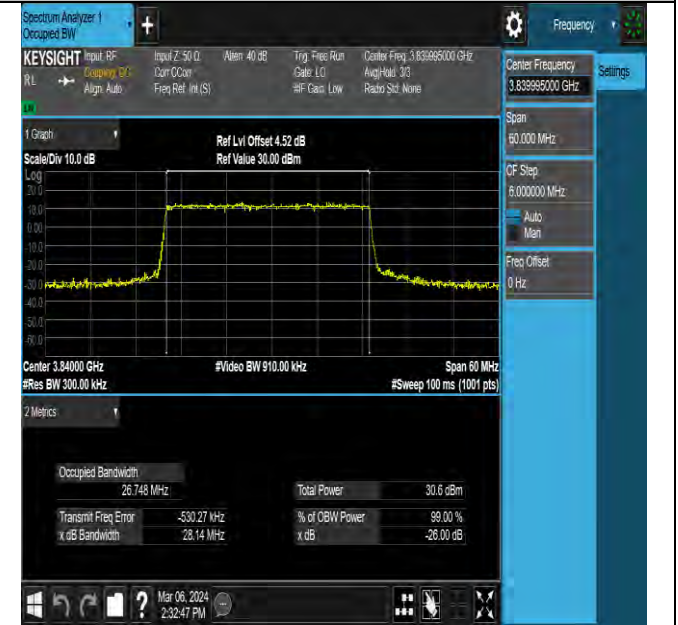
NTNV-N77-3700-3980-PC2-30-20-M-DFT-256QAM-Outter_F ull-Ant5-PASS



NTNV-N77-3700-3980-PC2-30-30-M-DFT-PI2BPSK-Outter_F ull-Ant5-PASS



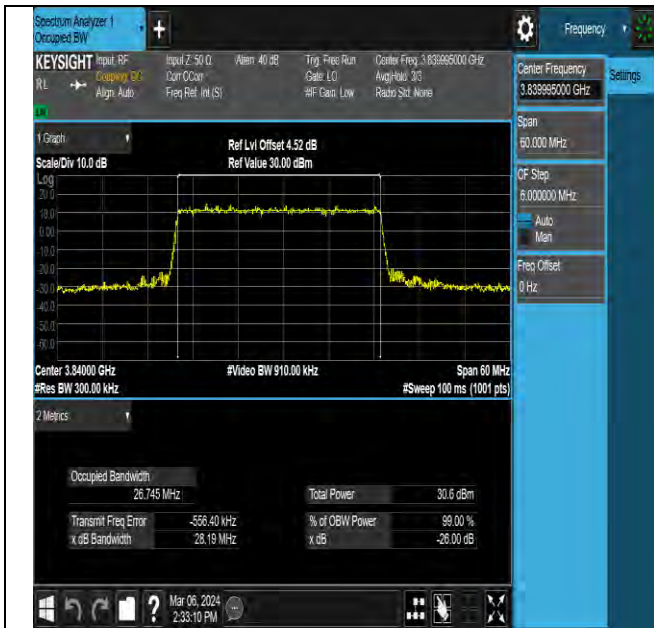
NTNV-N77-3700-3980-PC2-30-30-M-DFT-QPSK-Outter_F ull-Ant5-PASS



NTNV-N77-3700-3980-PC2-30-30-M-DFT-16QAM-Outter_F ull-Ant5-PASS



Test Report No.: PSU-QSU2312140113RF07



NTNV-N77-3700-3980-PC2-30-30-M-DFT-64QAM-Outer_Full-Ant5-PASS



NTNV-N77-3700-3980-PC2-30-30-M-DFT-256QAM-Outer_Full-Ant5-PASS



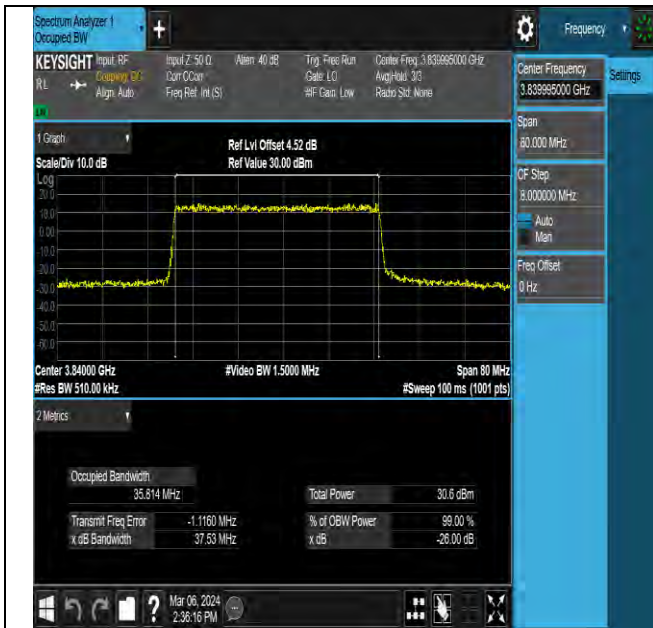
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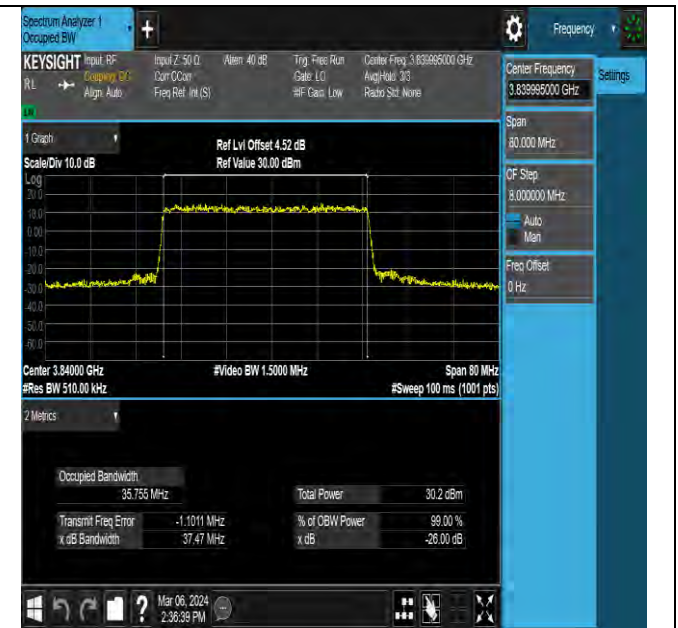
NTNV-N77-3700-3980-PC2-30-40-M-DFT-QPSK-Outer_Full-Ant5-PASS



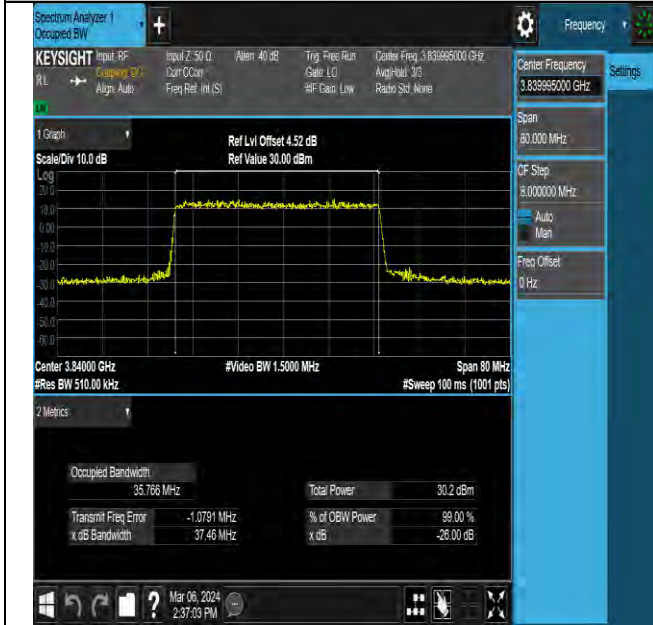
Test Report No.: PSU-QSU2312140113RF07



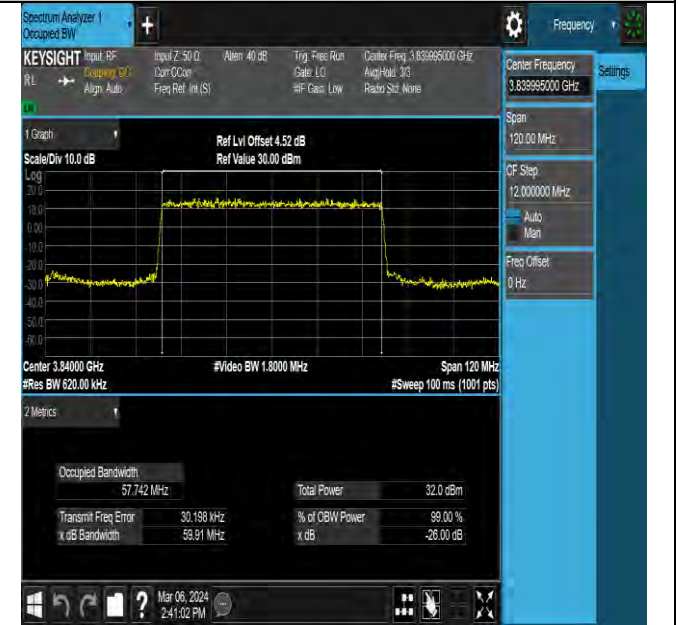
NTNV-N77-3700-3980-PC2-30-40-M-DFT-16QAM-Outer_Full-Ant5-PASS



NTNV-N77-3700-3980-PC2-30-40-M-DFT-64QAM-Outer_Full-Ant5-PASS



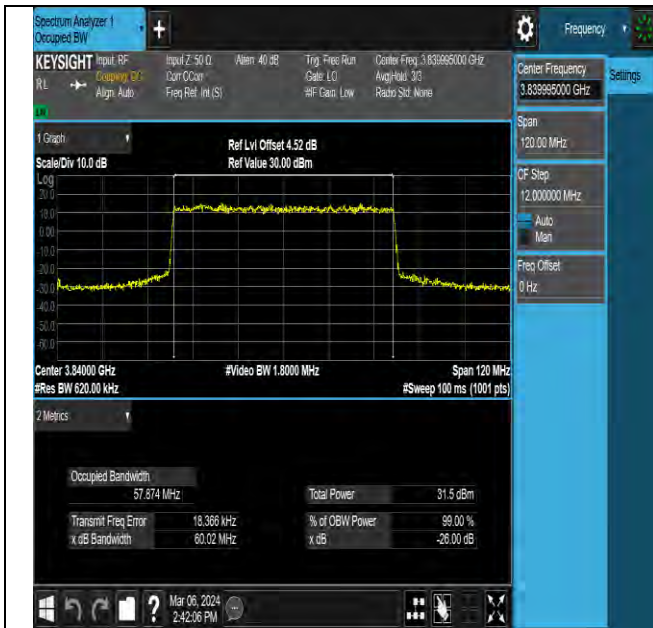
NTNV-N77-3700-3980-PC2-30-40-M-DFT-256QAM-Outer_Full-Ant5-PASS



NTNV-N77-3700-3980-PC2-30-60-M-DFT-PI2BPSK-Outer_Full-Ant5-PASS



Test Report No.: PSU-QSU2312140113RF07



NTNV-N77-3700-3980-PC2-30-60-M-DFT-QPSK-Outter_Full-Ant5-PASS



NTNV-N77-3700-3980-PC2-30-60-M-DFT-16QAM-Outter_Full-Ant5-PASS



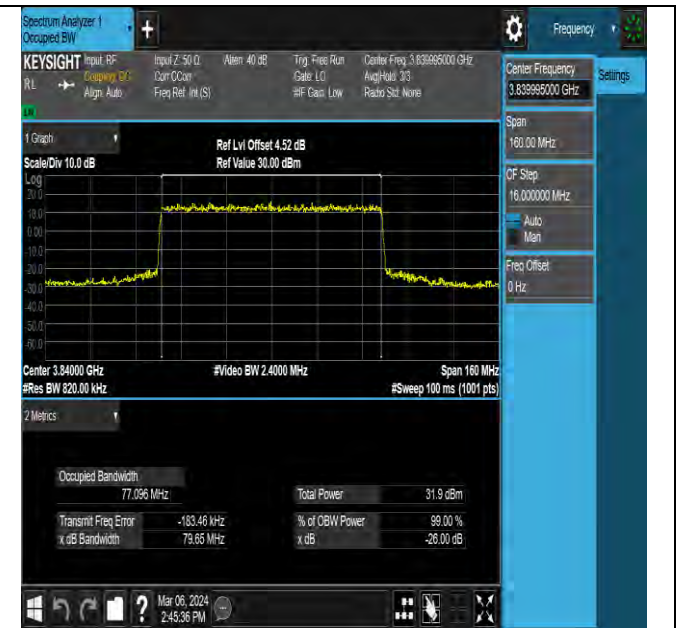
NTNV-N77-3700-3980-PC2-30-60-M-DFT-64QAM-Outter_Full-Ant5-PASS



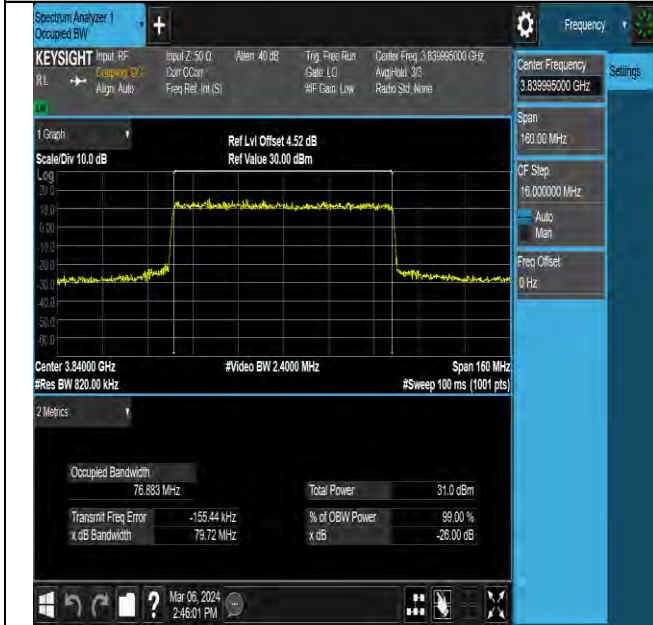
NTNV-N77-3700-3980-PC2-30-60-M-DFT-256QAM-Outter_Full-Ant5-PASS



NTNV-N77-3700-3980-PC2-30-80-M-DFT-PI2BPSK-Outter_Full-Ant5-PASS



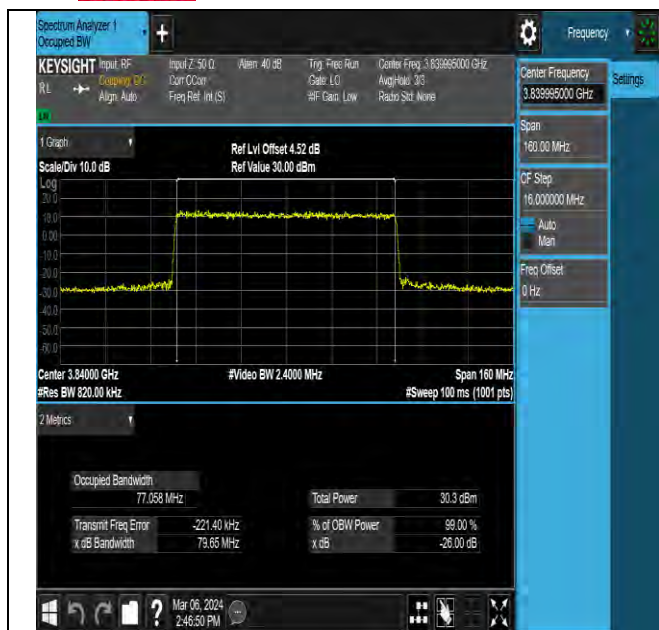
NTNV-N77-3700-3980-PC2-30-80-M-DFT-QPSK-Outter_Full-Ant5-PASS



NTNV-N77-3700-3980-PC2-30-80-M-DFT-16QAM-Outter_Full-Ant5-PASS



NTNV-N77-3700-3980-PC2-30-80-M-DFT-64QAM-Outter_Full-Ant5-PASS



NTNV-N77-3700-3980-PC2-30-80-M-DFT-256QAM-Outter_F ull-Ant5-PASS



NTNV-N77-3700-3980-PC2-30-100-M-DFT-PI2BPSK-Outter_F ull-Ant5-PASS



NTNV-N77-3700-3980-PC2-30-100-M-DFT-QPSK-Outter_F ull-Ant5-PASS



NTNV-N77-3700-3980-PC2-30-100-M-DFT-16QAM-Outter_F ull-Ant5-PASS



BUREAU
VERITAS

Test Report No.: PSU-QSU2312140113RF07



NTNV-N77-3700-3980-PC2-30-100-M-DFT-64QAM-Outer_F ull-Ant5-PASS



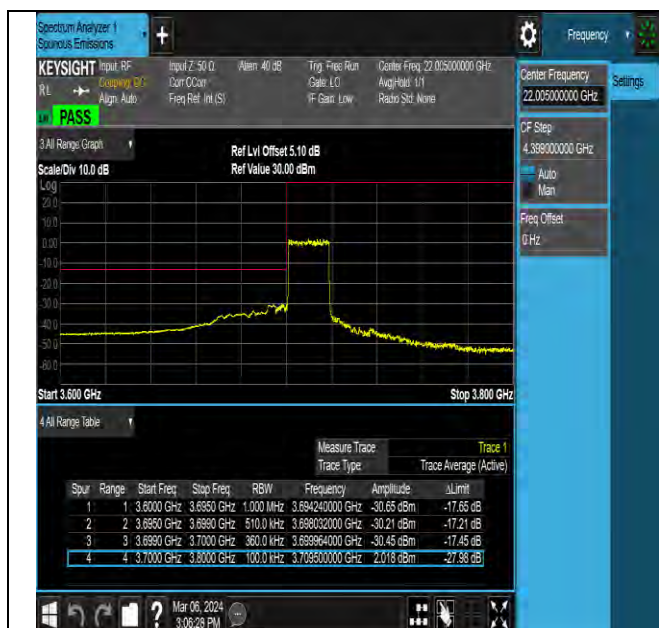
NTNV-N77-3700-3980-PC2-30-100-M-DFT-256QAM-Outer_F ull-Ant5-PASS

BAND EDGE FOR SA

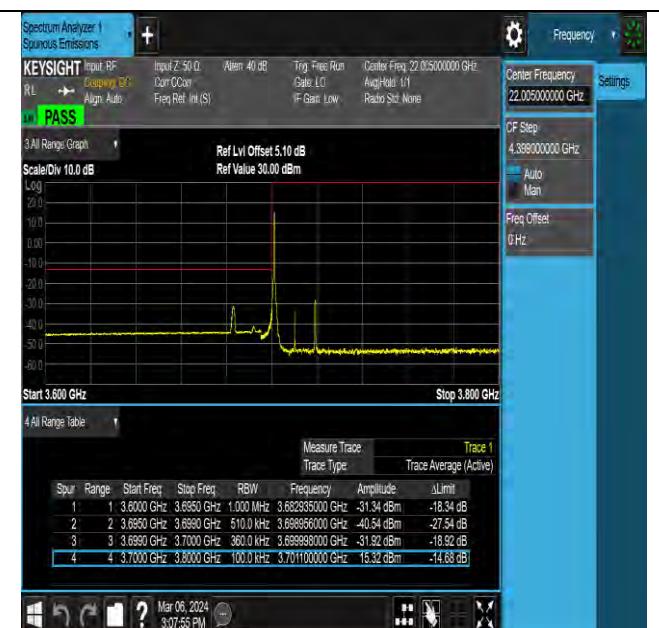
Test Result

Band	SCS	Bandwidth	Modulation	Channel	RB Config	Result	Verdict
N77-3700-3980	30	20	DFT-QPSK	L	Outer_Full	-30.21	PASS
N77-3700-3980	30	20	DFT-QPSK	L	Edge_1RB_Left	-31.34	PASS
N77-3700-3980	30	20	DFT-QPSK	H	Outer_Full	-33.38	PASS
N77-3700-3980	30	20	DFT-QPSK	H	Edge_1RB_Right	-31.85	PASS
N77-3700-3980	30	60	DFT-QPSK	L	Outer_Full	-33.87	PASS
N77-3700-3980	30	60	DFT-QPSK	L	Edge_1RB_Left	-31.79	PASS
N77-3700-3980	30	60	DFT-QPSK	H	Outer_Full	-35.52	PASS
N77-3700-3980	30	60	DFT-QPSK	H	Edge_1RB_Right	-32.15	PASS
N77-3700-3980	30	100	DFT-QPSK	L	Outer_Full	-33.56	PASS
N77-3700-3980	30	100	DFT-QPSK	L	Edge_1RB_Left	-31.98	PASS
N77-3700-3980	30	100	DFT-QPSK	H	Outer_Full	-32.73	PASS
N77-3700-3980	30	100	DFT-QPSK	H	Edge_1RB_Right	-31.56	PASS

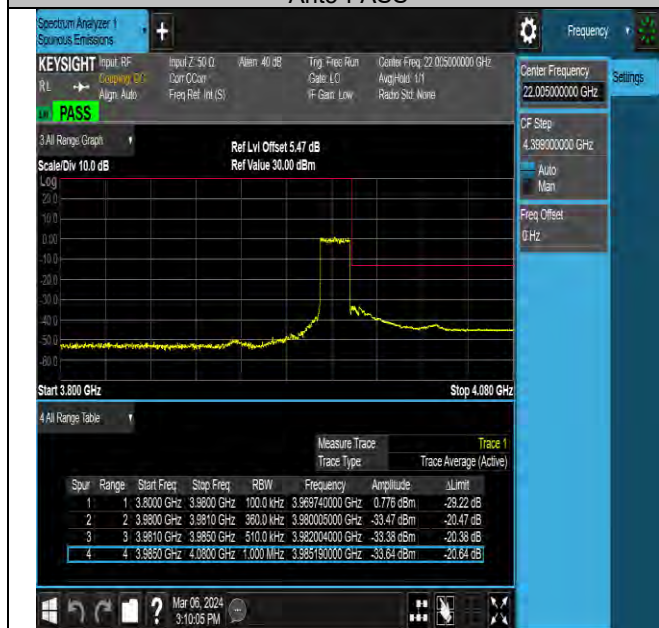
Test Graphs



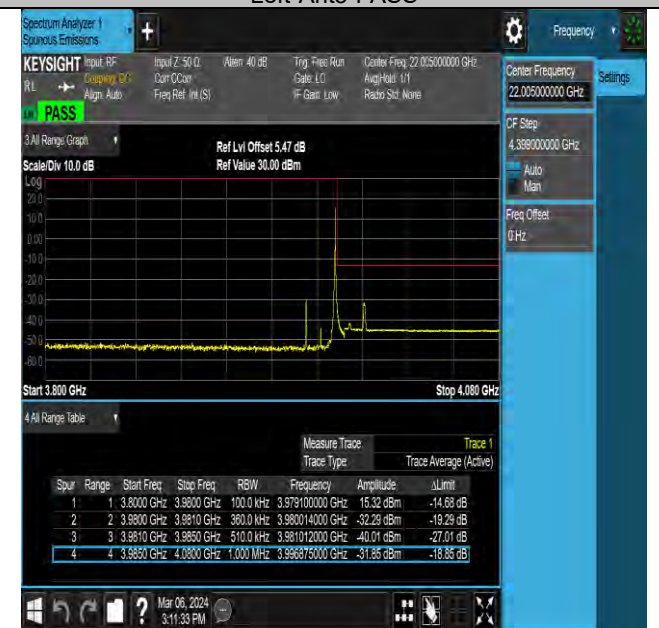
NTNV-N77-3700-3980-PC2-30-20-L-DFT-QPSK-Outer_Full-Ant5-PASS



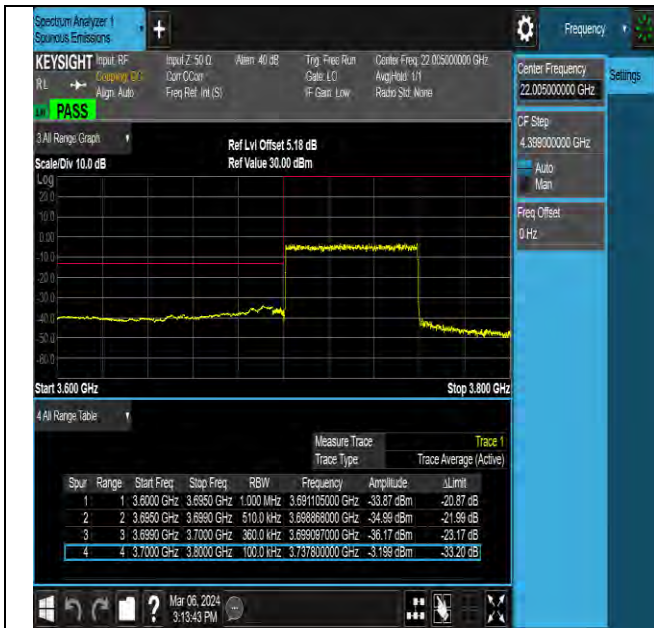
NTNV-N77-3700-3980-PC2-30-20-L-DFT-QPSK-Edge_1RB_Left-Ant5-PASS



NTNV-N77-3700-3980-PC2-30-20-H-DFT-QPSK-Outer_Full-Ant5-PASS



NTNV-N77-3700-3980-PC2-30-20-H-DFT-QPSK-Edge_1RB_Right-Ant5-PASS



NTNV-N77-3700-3980-PC2-30-60-L-DFT-QPSK-Outer_Full-Ant5-PASS



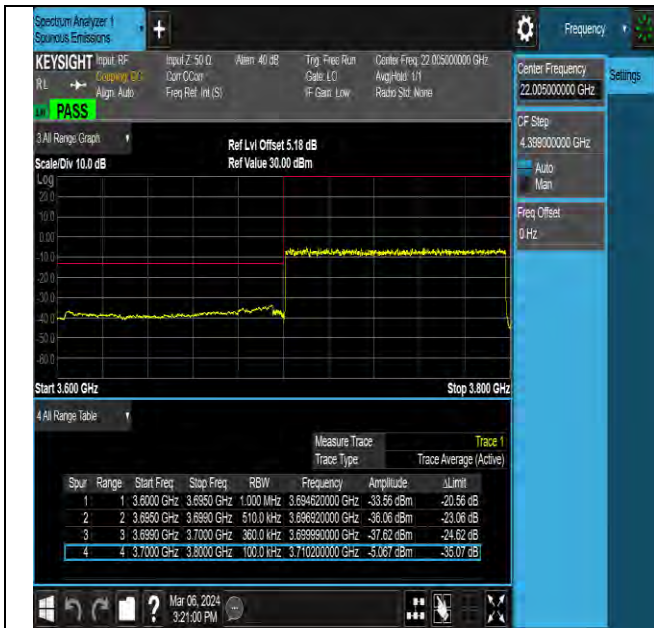
NTNV-N77-3700-3980-PC2-30-60-L-DFT-QPSK-Edge_1RB_Left-Ant5-PASS



NTNV-N77-3700-3980-PC2-30-60-H-DFT-QPSK-Outer_Full-Ant5-PASS



NTNV-N77-3700-3980-PC2-30-60-H-DFT-QPSK-Edge_1RB_Right-Ant5-PASS



NTNV-N77-3700-3980-PC2-30-100-L-DFT-QPSK-Outer_Full
-Ant5-PASS



NTNV-N77-3700-3980-PC2-30-100-L-DFT-QPSK-Edge_1RB
Left-Ant5-PASS



NTNV-N77-3700-3980-PC2-30-100-H-DFT-QPSK-Outer_Full
-Ant5-PASS



NTNV-N77-3700-3980-PC2-30-100-H-DFT-QPSK-Edge_1RB
B_Right-Ant5-PASS



Test Report No.: PSU-QSU2312140113RF07

CONDUCTED SPURIOUS EMISSION FOR SA

Test Result

Band	SC S	Bandwidth	Modulation	Channel	RB Config	StartFreq	StopFreq	Result	Limit	Verdict
N77-3700-3980	30	20	DFT-QPSK	L	Edge_1RB_Left	30	1000	-48.13	-13	PASS
N77-3700-3980	30	20	DFT-QPSK	L	Edge_1RB_Left	1000	40000	-19.06	-13	PASS
N77-3700-3980	30	20	DFT-QPSK	M	Edge_1RB_Left	30	1000	-48.17	-13	PASS
N77-3700-3980	30	20	DFT-QPSK	M	Edge_1RB_Left	1000	40000	-23.42	-13	PASS
N77-3700-3980	30	20	DFT-QPSK	H	Edge_1RB_Left	30	1000	-48.09	-13	PASS
N77-3700-3980	30	20	DFT-QPSK	H	Edge_1RB_Left	1000	40000	-23.46	-13	PASS
N77-3700-3980	30	60	DFT-QPSK	L	Edge_1RB_Left	30	1000	-48.00	-13	PASS
N77-3700-3980	30	60	DFT-QPSK	L	Edge_1RB_Left	1000	40000	-19.72	-13	PASS
N77-3700-3980	30	60	DFT-QPSK	M	Edge_1RB_Left	30	1000	-48.23	-13	PASS
N77-3700-3980	30	60	DFT-QPSK	M	Edge_1RB_Left	1000	40000	-23.16	-13	PASS
N77-3700-3980	30	60	DFT-QPSK	H	Edge_1RB_Left	30	1000	-48.24	-13	PASS
N77-3700-3980	30	60	DFT-QPSK	H	Edge_1RB_Left	1000	40000	-23.62	-13	PASS
N77-3700-3980	30	100	DFT-QPSK	L	Edge_1RB_Left	30	1000	-48.25	-13	PASS
N77-3700-3980	30	100	DFT-QPSK	L	Edge_1RB_Left	1000	40000	-22.38	-13	PASS



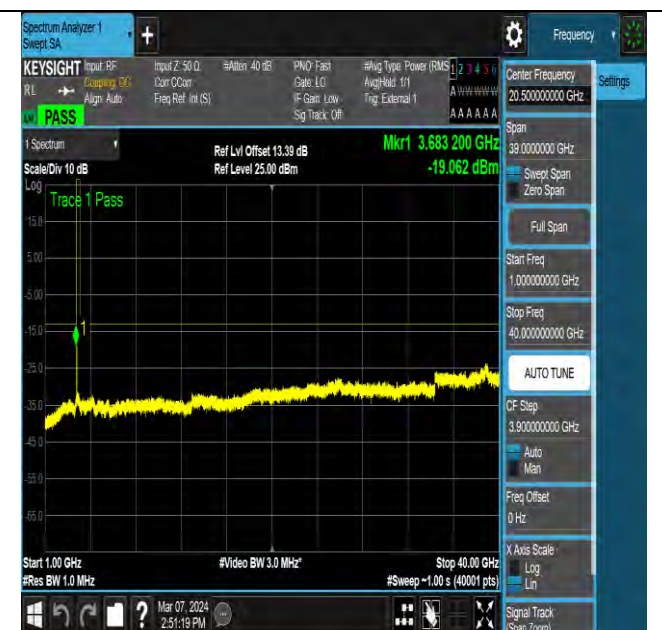
Test Report No.: PSU-QSU2312140113RF07

N77-3700-3980	30	100	DFT-QPSK	M	Edge_1RB_Left	30	1000	-48.28	-13	PASS
N77-3700-3980	30	100	DFT-QPSK	M	Edge_1RB_Left	1000	40000	-23.87	-13	PASS
N77-3700-3980	30	100	DFT-QPSK	H	Edge_1RB_Left	30	1000	-48.02	-13	PASS
N77-3700-3980	30	100	DFT-QPSK	H	Edge_1RB_Left	1000	40000	-23.74	-13	PASS

Test Graphs



NTNV-N77-3700-3980-PC2-30-20-L-DFT-QPSK-Edge_1RB_
Left-Ant5-PASS



NTNV-N77-3700-3980-PC2-30-20-L-DFT-QPSK-Edge_1RB_
Left-Ant5-PASS



NTNV-N77-3700-3980-PC2-30-20-M-DFT-QPSK-Edge_1RB
Left-Ant5-PASS



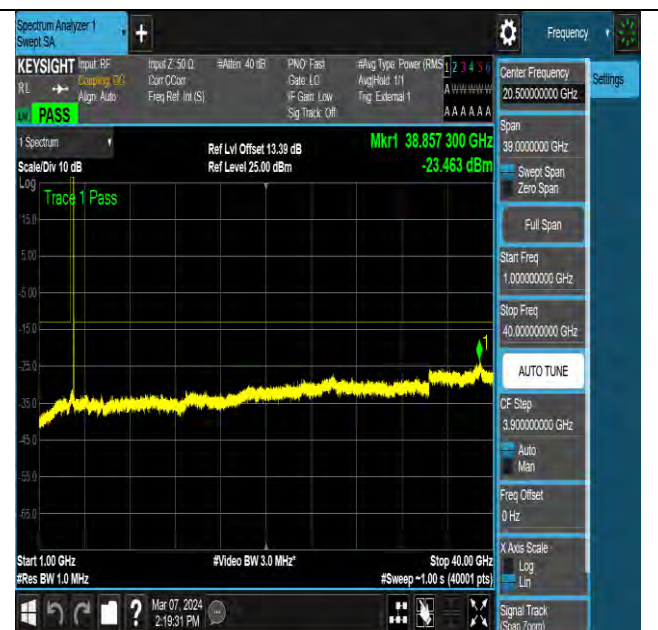
NTNV-N77-3700-3980-PC2-30-20-M-DFT-QPSK-Edge_1RB
Left-Ant5-PASS



Test Report No.: PSU-QSU2312140113RF07



NTNV-N77-3700-3980-PC2-30-20-H-DFT-QPSK-Edge_1RB
Left-Ant5-PASS



NTNV-N77-3700-3980-PC2-30-20-H-DFT-QPSK-Edge_1RB
Left-Ant5-PASS



NTNV-N77-3700-3980-PC2-30-60-L-DFT-QPSK-Edge_1RB_
Left-Ant5-PASS



NTNV-N77-3700-3980-PC2-30-60-L-DFT-QPSK-Edge_1RB_
Left-Ant5-PASS



Test Report No.: PSU-QSU2312140113RF07



NTNV-N77-3700-3980-PC2-30-60-M-DFT-QPSK-Edge_1RB
Left-Ant5-PASS



NTNV-N77-3700-3980-PC2-30-60-M-DFT-QPSK-Edge_1RB
Left-Ant5-PASS



NTNV-N77-3700-3980-PC2-30-60-H-DFT-QPSK-Edge_1RB
Left-Ant5-PASS



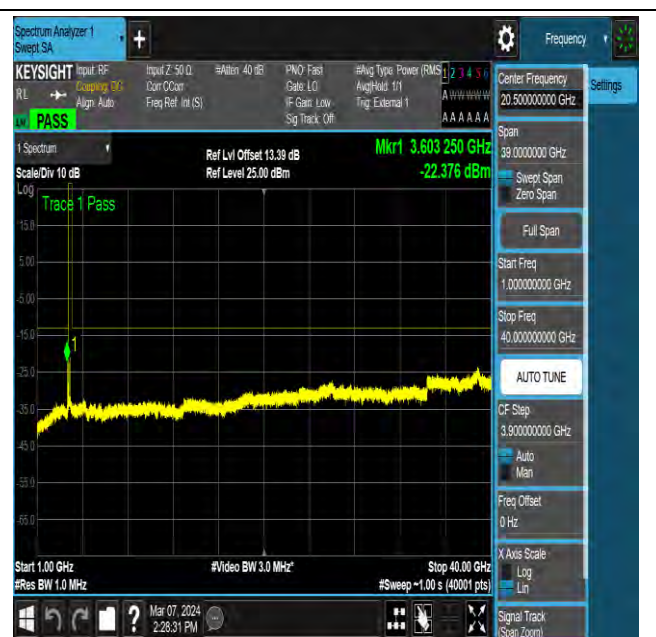
NTNV-N77-3700-3980-PC2-30-60-H-DFT-QPSK-Edge_1RB
Left-Ant5-PASS



Test Report No.: PSU-QSU2312140113RF07



NTNV-N77-3700-3980-PC2-30-100-L-DFT-QPSK-Edge_1RB
Left-Ant5-PASS



NTNV-N77-3700-3980-PC2-30-100-L-DFT-QPSK-Edge_1RB
Left-Ant5-PASS



NTNV-N77-3700-3980-PC2-30-100-M-DFT-QPSK-Edge_1R
B Left-Ant5-PASS



NTNV-N77-3700-3980-PC2-30-100-M-DFT-QPSK-Edge_1R
B Left-Ant5-PASS



Test Report No.: PSU-QSU2312140113RF07



NTNV-N77-3700-3980-PC2-30-100-H-DFT-QPSK-Edge_1R
B_Left-Ant5-PASS



NTNV-N77-3700-3980-PC2-30-100-H-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
N77-370 0-3980	30	20	DFT-QPSK	L	Outer_Full	VL	NT	3.000000	0.000809	PASS
N77-370 0-3980	30	20	DFT-QPSK	L	Outer_Full	VN	NT	16.000000	0.004313	PASS
N77-370 0-3980	30	20	DFT-QPSK	L	Outer_Full	VH	NT	6.000000	0.001617	PASS
N77-370 0-3980	30	20	DFT-QPSK	M	Outer_Full	VL	NT	19.000000	0.004948	PASS
N77-370 0-3980	30	20	DFT-QPSK	M	Outer_Full	VN	NT	13.000000	0.003385	PASS
N77-370 0-3980	30	20	DFT-QPSK	M	Outer_Full	VH	NT	3.000000	0.000781	PASS
N77-370 0-3980	30	20	DFT-QPSK	H	Outer_Full	VL	NT	12.000000	0.003023	PASS
N77-370 0-3980	30	20	DFT-QPSK	H	Outer_Full	VN	NT	1.000000	0.000252	PASS
N77-370 0-3980	30	20	DFT-QPSK	H	Outer_Full	VH	NT	4.000000	0.001008	PASS

Frequency Error VS. Temperature

Voltage										
Band	SCS	Bandwidth	Modulation	Channel	RB Config	Voltage	Temperature	Deviation(Hz)	Deviation (ppm)	Verdict
N77-370 0-3980	30	20	DFT-QPSK	L	Outer_Full	NV	-30	15.000000	0.004043	PASS
N77-370 0-3980	30	20	DFT-QPSK	L	Outer_Full	NV	-20	9.000000	0.002426	PASS
N77-370 0-3980	30	20	DFT-QPSK	L	Outer_Full	NV	-10	3.000000	0.000809	PASS
N77-370 0-3980	30	20	DFT-QPSK	L	Outer_Full	NV	0	12.000000	0.003234	PASS
N77-370 0-3980	30	20	DFT-QPSK	L	Outer_Full	NV	10	15.000000	0.004043	PASS
N77-370 0-3980	30	20	DFT-QPSK	L	Outer_Full	NV	20	2.000000	0.000539	PASS



Test Report No.: PSU-QSU2312140113RF07

N77-370 0-3980	30	20	DFT-QPSK	L	Outer_Full	NV	30	2.000000	0.000539	PASS
N77-370 0-3980	30	20	DFT-QPSK	L	Outer_Full	NV	40	11.000000	0.002965	PASS
N77-370 0-3980	30	20	DFT-QPSK	L	Outer_Full	NV	50	5.000000	0.001348	PASS
N77-370 0-3980	30	20	DFT-QPSK	M	Outer_Full	NV	-30	16.000000	0.004167	PASS
N77-370 0-3980	30	20	DFT-QPSK	M	Outer_Full	NV	-20	3.000000	0.000781	PASS
N77-370 0-3980	30	20	DFT-QPSK	M	Outer_Full	NV	-10	12.000000	0.003125	PASS
N77-370 0-3980	30	20	DFT-QPSK	M	Outer_Full	NV	0	17.000000	0.004427	PASS
N77-370 0-3980	30	20	DFT-QPSK	M	Outer_Full	NV	10	10.000000	0.002604	PASS
N77-370 0-3980	30	20	DFT-QPSK	M	Outer_Full	NV	20	16.000000	0.004167	PASS
N77-370 0-3980	30	20	DFT-QPSK	M	Outer_Full	NV	30	10.000000	0.002604	PASS
N77-370 0-3980	30	20	DFT-QPSK	M	Outer_Full	NV	40	12.000000	0.003125	PASS
N77-370 0-3980	30	20	DFT-QPSK	M	Outer_Full	NV	50	18.000000	0.004688	PASS
N77-370 0-3980	30	20	DFT-QPSK	H	Outer_Full	NV	-30	17.000000	0.004282	PASS
N77-370 0-3980	30	20	DFT-QPSK	H	Outer_Full	NV	-20	3.000000	0.000756	PASS
N77-370 0-3980	30	20	DFT-QPSK	H	Outer_Full	NV	-10	9.000000	0.002267	PASS
N77-370 0-3980	30	20	DFT-QPSK	H	Outer_Full	NV	0	15.000000	0.003778	PASS
N77-370 0-3980	30	20	DFT-QPSK	H	Outer_Full	NV	10	8.000000	0.002015	PASS
N77-370 0-3980	30	20	DFT-QPSK	H	Outer_Full	NV	20	14.000000	0.003526	PASS
N77-370 0-3980	30	20	DFT-QPSK	H	Outer_Full	NV	30	17.000000	0.004282	PASS
N77-370 0-3980	30	20	DFT-QPSK	H	Outer_Full	NV	40	7.000000	0.001763	PASS
N77-370 0-3980	30	20	DFT-QPSK	H	Outer_Full	NV	50	5.000000	0.001259	PASS

N77_UL_MIMO-3700-3980

PEAK-TO-AVERAGE RATIO FOR MIMO

Peak-to-Average Ratio(CCDF)

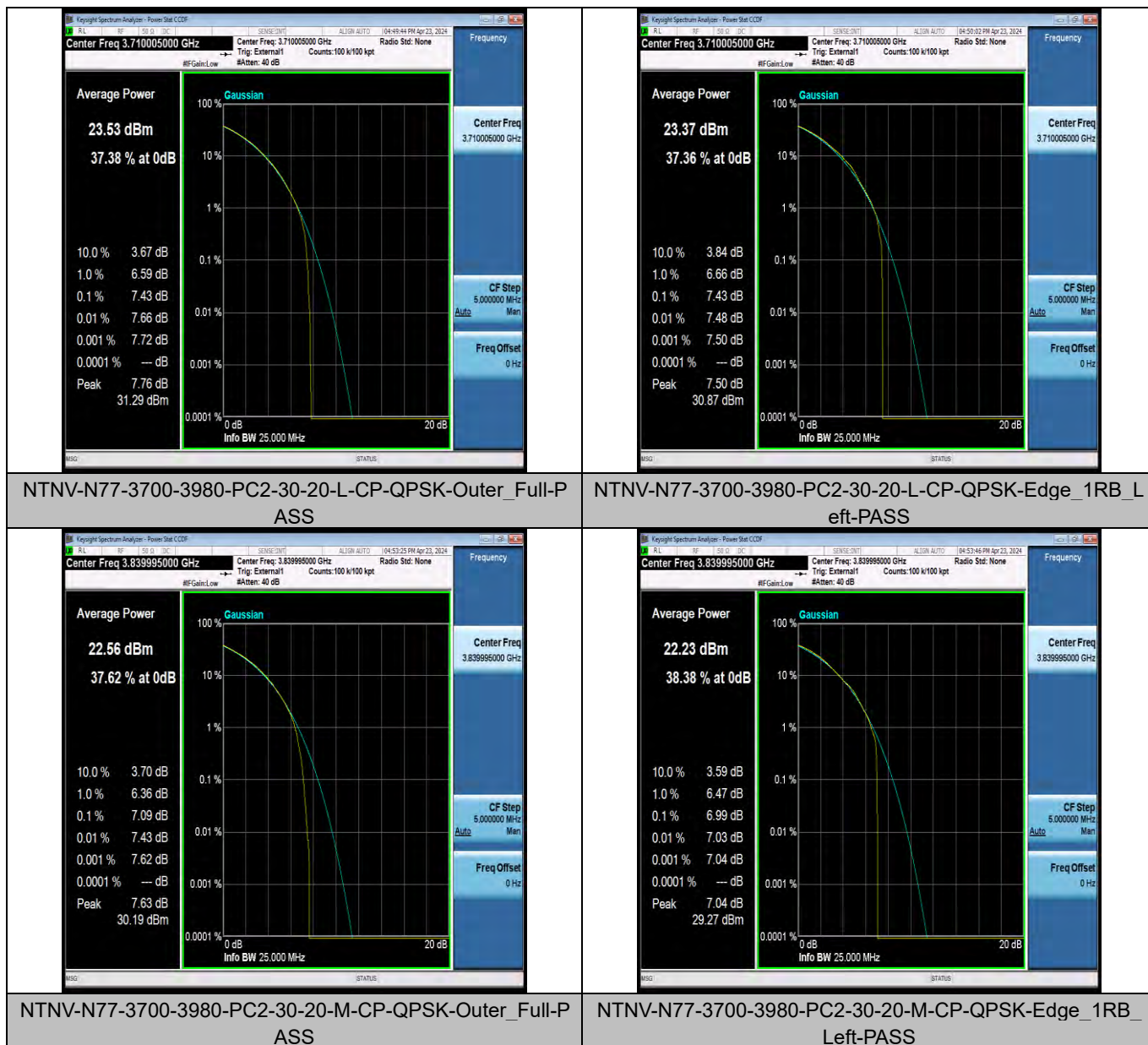
Test Result-Ant5

Band	SCS	Bandwidth	Modulation	Channel	RB Config	Result	Limit	Verdict
N77-3700-3980	30	20	CP-QPSK	L	Outer_Full	7.43	≤13	PASS
N77-3700-3980	30	20	CP-QPSK	L	Edge_1RB_Left	7.43	≤13	PASS
N77-3700-3980	30	20	CP-QPSK	M	Outer_Full	7.09	≤13	PASS
N77-3700-3980	30	20	CP-QPSK	M	Edge_1RB_Left	6.99	≤13	PASS
N77-3700-3980	30	20	CP-QPSK	H	Outer_Full	6.85	≤13	PASS
N77-3700-3980	30	20	CP-QPSK	H	Edge_1RB_Left	7.09	≤13	PASS

Test Result-Ant3

Band	SCS	Bandwidth	Modulation	Channel	RB Config	Result	Limit	Verdict
N77-3700-3980	30	20	CP-QPSK	L	Outer_Full	7.97	≤13	PASS
N77-3700-3980	30	20	CP-QPSK	L	Edge_1RB_Left	6.43	≤13	PASS
N77-3700-3980	30	20	CP-QPSK	M	Outer_Full	7.86	≤13	PASS
N77-3700-3980	30	20	CP-QPSK	M	Edge_1RB_Left	6.25	≤13	PASS
N77-3700-3980	30	20	CP-QPSK	H	Outer_Full	7.69	≤13	PASS
N77-3700-3980	30	20	CP-QPSK	H	Edge_1RB_Left	6.62	≤13	PASS

Test Graphs-Ant5



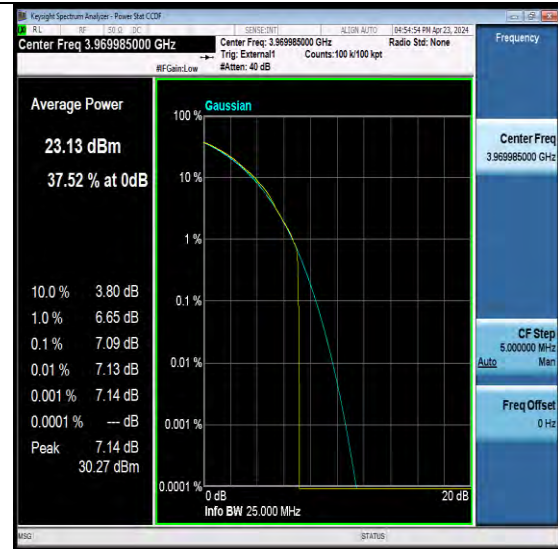


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Test Report No.: PSU-QSU2312140113RF07

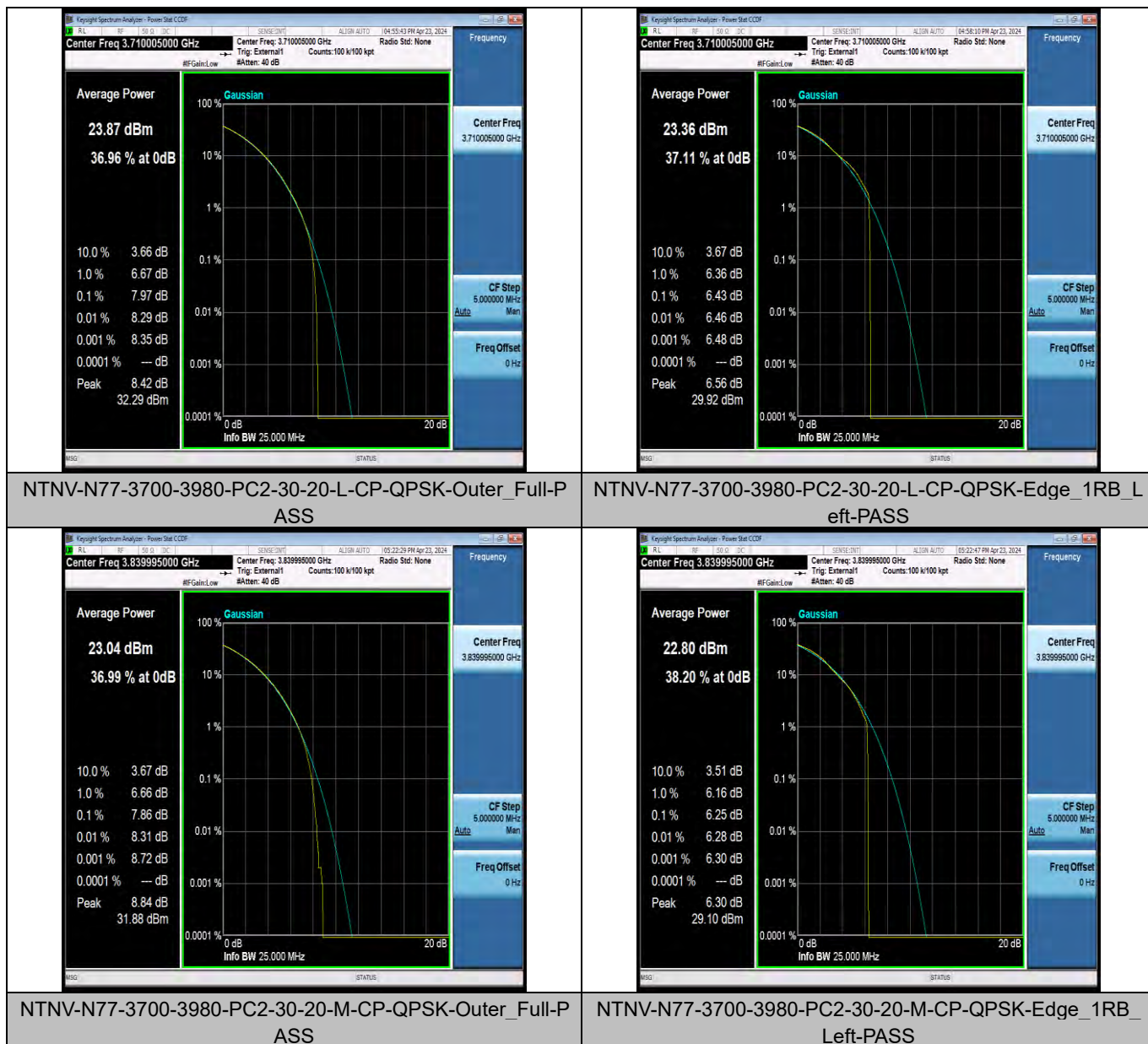


NTNV-N77-3700-3980-PC2-30-20-H-CP-QPSK-Outer_Full-P
ASS



NTNV-N77-3700-3980-PC2-30-20-H-CP-QPSK-Edge_1RB_
Left-PASS

Test Graphs-Ant3



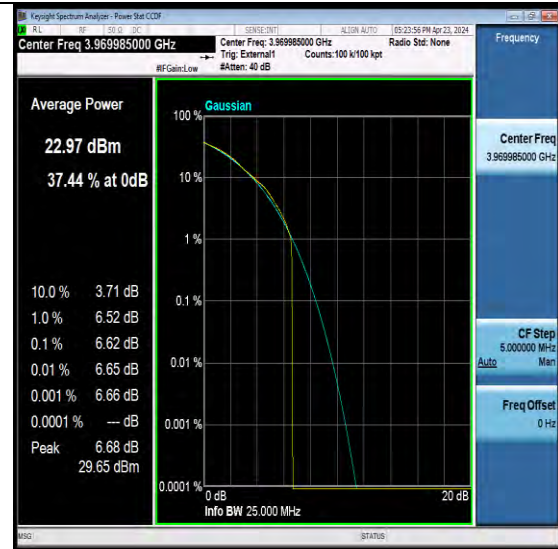


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Test Report No.: PSU-QSU2312140113RF07



NTNV-N77-3700-3980-PC2-30-20-H-CP-QPSK-Outer_Full-P
ASS



NTNV-N77-3700-3980-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
N77-3700-3980	30	20	CP-QPSK	M	Outer_Full	18.183	19.50	PASS
N77-3700-3980	30	20	CP-16QAM	M	Outer_Full	18.209	19.27	PASS
N77-3700-3980	30	20	CP-64QAM	M	Outer_Full	18.187	19.29	PASS
N77-3700-3980	30	20	CP-256QAM	M	Outer_Full	18.208	19.31	PASS
N77-3700-3980	30	30	CP-QPSK	M	Outer_Full	27.821	29.20	PASS
N77-3700-3980	30	30	CP-16QAM	M	Outer_Full	27.829	29.32	PASS
N77-3700-3980	30	30	CP-64QAM	M	Outer_Full	27.842	29.38	PASS
N77-3700-3980	30	30	CP-256QAM	M	Outer_Full	27.817	29.18	PASS
N77-3700-3980	30	40	CP-QPSK	M	Outer_Full	37.718	39.38	PASS
N77-3700-3980	30	40	CP-16QAM	M	Outer_Full	37.786	39.33	PASS
N77-3700-3980	30	40	CP-64QAM	M	Outer_Full	37.833	39.46	PASS
N77-3700-3980	30	40	CP-256QAM	M	Outer_Full	37.784	39.22	PASS
N77-3700-3980	30	60	CP-QPSK	M	Outer_Full	57.702	59.91	PASS
N77-3700-3980	30	60	CP-16QAM	M	Outer_Full	57.758	60.01	PASS
N77-3700-3980	30	60	CP-64QAM	M	Outer_Full	57.683	59.81	PASS
N77-3700-3980	30	60	CP-256QAM	M	Outer_Full	57.724	59.82	PASS
N77-3700-3980	30	80	CP-QPSK	M	Outer_Full	77.321	80.01	PASS
N77-3700-3980	30	80	CP-16QAM	M	Outer_Full	77.326	79.98	PASS
N77-3700-3980	30	80	CP-64QAM	M	Outer_Full	77.255	80.05	PASS
N77-3700-3980	30	80	CP-256QAM	M	Outer_Full	77.258	80.04	PASS
N77-3700-3980	30	100	CP-QPSK	M	Outer_Full	97.316	100.4	PASS



Test Report No.: PSU-QSU2312140113RF07

N77-3700 -3980	30	100	CP-16QAM	M	Outer_Full	97.302	100.3	PASS
N77-3700 -3980	30	100	CP-64QAM	M	Outer_Full	97.280	100.5	PASS
N77-3700 -3980	30	100	CP-256QAM	M	Outer_Full	97.285	100.7	PASS

Test Result-Ant3

Band	SCS	Bandwidth	Modulation	Channel	RB Config	Result (99%)	Result (26dB)	Verdict
N77-3700 -3980	30	20	CP-QPSK	M	Outer_Full	18.201	19.49	PASS
N77-3700 -3980	30	20	CP-16QAM	M	Outer_Full	18.131	19.13	PASS
N77-3700 -3980	30	20	CP-64QAM	M	Outer_Full	18.171	19.35	PASS
N77-3700 -3980	30	20	CP-256QAM	M	Outer_Full	18.172	19.23	PASS
N77-3700 -3980	30	30	CP-QPSK	M	Outer_Full	27.834	29.17	PASS
N77-3700 -3980	30	30	CP-16QAM	M	Outer_Full	27.794	29.02	PASS
N77-3700 -3980	30	30	CP-64QAM	M	Outer_Full	27.858	29.28	PASS
N77-3700 -3980	30	30	CP-256QAM	M	Outer_Full	27.781	29.10	PASS
N77-3700 -3980	30	40	CP-QPSK	M	Outer_Full	37.829	39.59	PASS
N77-3700 -3980	30	40	CP-16QAM	M	Outer_Full	37.835	39.76	PASS
N77-3700 -3980	30	40	CP-64QAM	M	Outer_Full	37.779	39.70	PASS
N77-3700 -3980	30	40	CP-256QAM	M	Outer_Full	37.847	39.73	PASS
N77-3700 -3980	30	60	CP-QPSK	M	Outer_Full	57.688	59.92	PASS
N77-3700 -3980	30	60	CP-16QAM	M	Outer_Full	57.756	59.93	PASS
N77-3700 -3980	30	60	CP-64QAM	M	Outer_Full	57.752	59.99	PASS
N77-3700 -3980	30	60	CP-256QAM	M	Outer_Full	57.674	60.02	PASS
N77-3700 -3980	30	80	CP-QPSK	M	Outer_Full	77.448	80.19	PASS
N77-3700 -3980	30	80	CP-16QAM	M	Outer_Full	77.257	79.94	PASS
N77-3700 -3980	30	80	CP-64QAM	M	Outer_Full	77.341	79.96	PASS
N77-3700 -3980	30	80	CP-256QAM	M	Outer_Full	77.304	79.97	PASS



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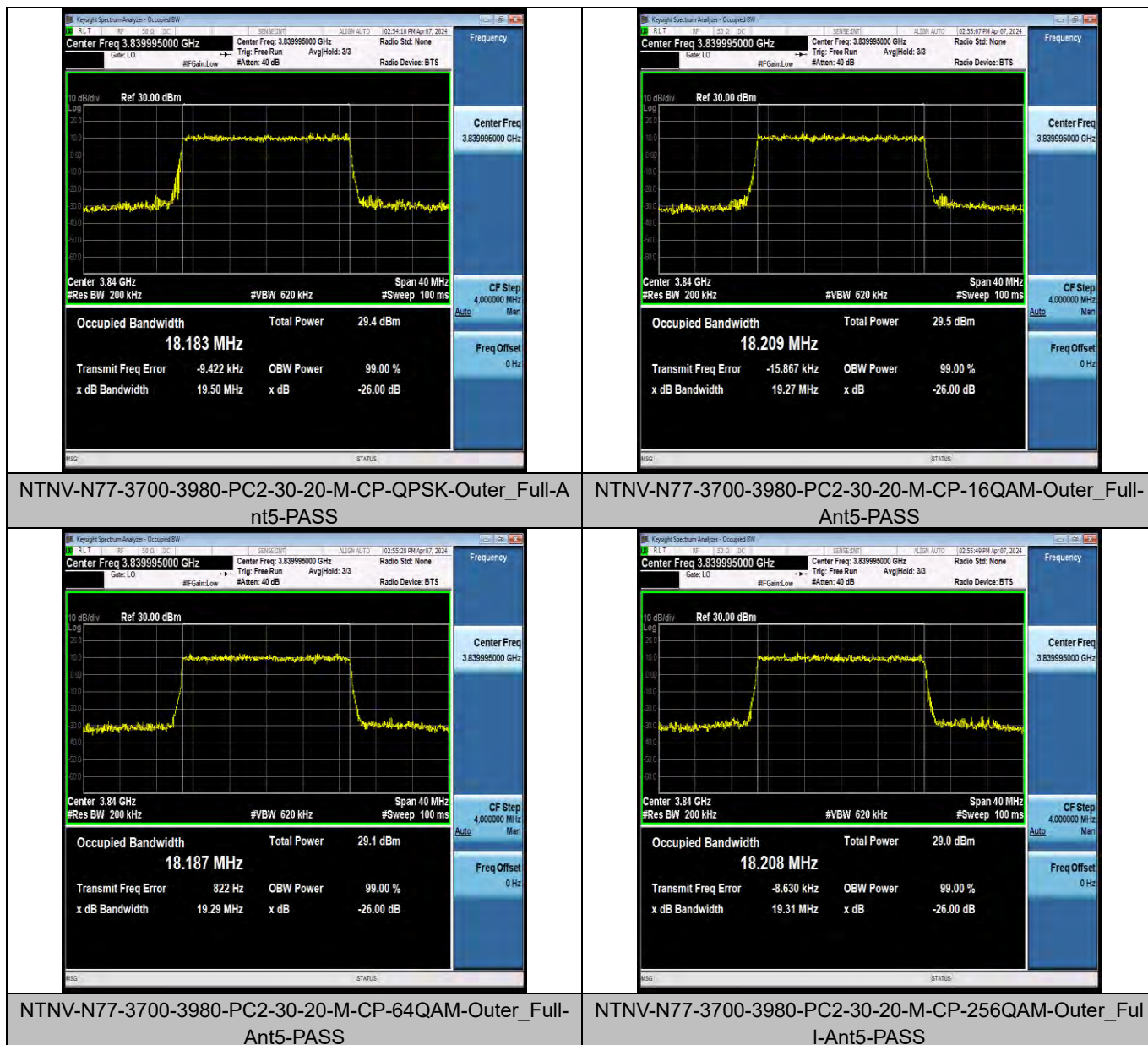
Test Report No.: PSU-QSU2312140113RF07

N77-3700 -3980	30	100	CP-QPSK	M	Outer_Full	97.226	100.5	PASS
N77-3700 -3980	30	100	CP-16QAM	M	Outer_Full	97.224	100.6	PASS
N77-3700 -3980	30	100	CP-64QAM	M	Outer_Full	97.421	100.5	PASS
N77-3700 -3980	30	100	CP-256QAM	M	Outer_Full	97.440	100.6	PASS



Test Report No.: PSU-QSU2312140113RF07

Test Graphs-Ant5





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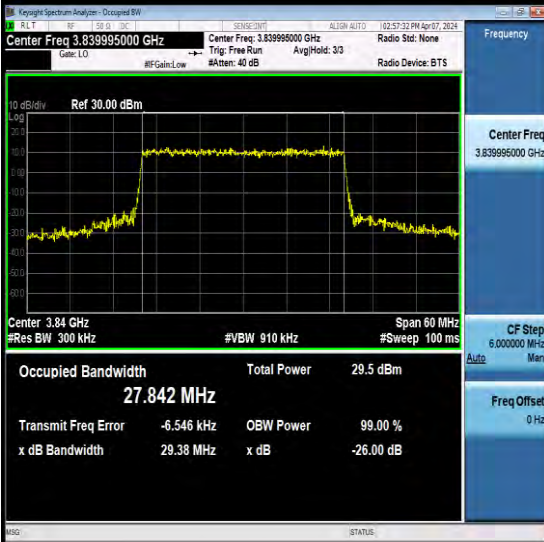
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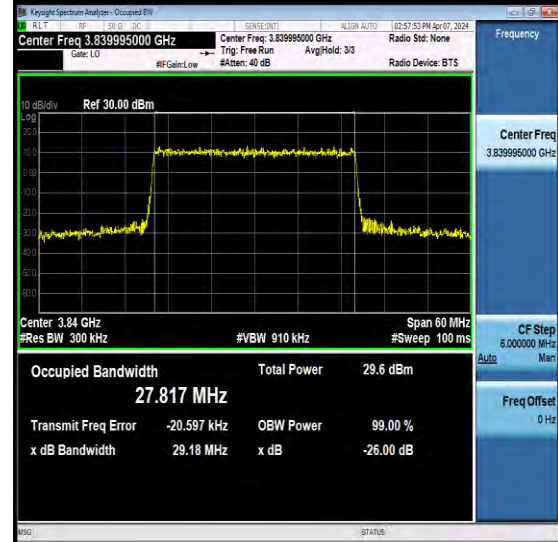
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NTNV-N77-3700-3980-PC2-30-30-M-CP-16QAM-Outer_Full-Ant5-PASS



NTNV-N77-3700-3980-PC2-30-30-M-CP-64QAM-Outer_Full-Ant5-PASS



NTNV-N77-3700-3980-PC2-30-30-M-CP-256QAM-Outer_Full-Ant5-PASS



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VERITAS

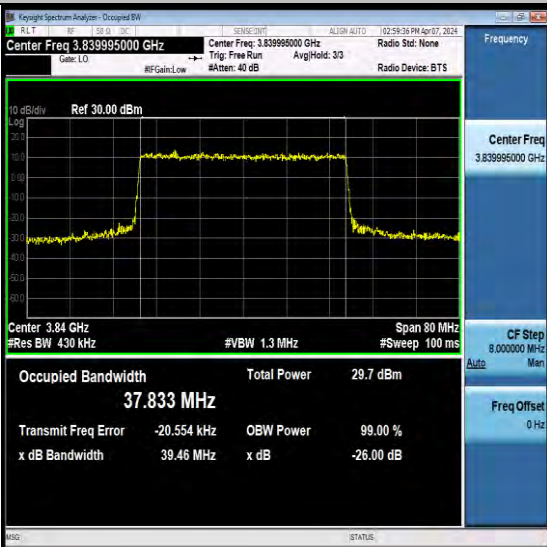
Test Report No.: PSU-QSU2312140113RF07



NTNV-N77-3700-3980-PC2-30-40-M-CP-QPSK-Outet_Full-Ant5-PASS



NTNV-N77-3700-3980-PC2-30-40-M-CP-16QAM-Outet_Full-Ant5-PASS



NTNV-N77-3700-3980-PC2-30-40-M-CP-64QAM-Outet_Full-Ant5-PASS



NTNV-N77-3700-3980-PC2-30-40-M-CP-256QAM-Outet_Full-Ant5-PASS



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Test Report No.: PSU-QSU2312140113RF07



NTNV-N77-3700-3980-PC2-30-60-M-CP-QPSK-Outet_Full-A
nt5-PASS



NTNV-N77-3700-3980-PC2-30-60-M-CP-16QAM-Outet_Full-A
nt5-PASS



NTNV-N77-3700-3980-PC2-30-60-M-CP-64QAM-Outet_Full-A
nt5-PASS



NTNV-N77-3700-3980-PC2-30-60-M-CP-256QAM-Outet_Full-A
nt5-PASS

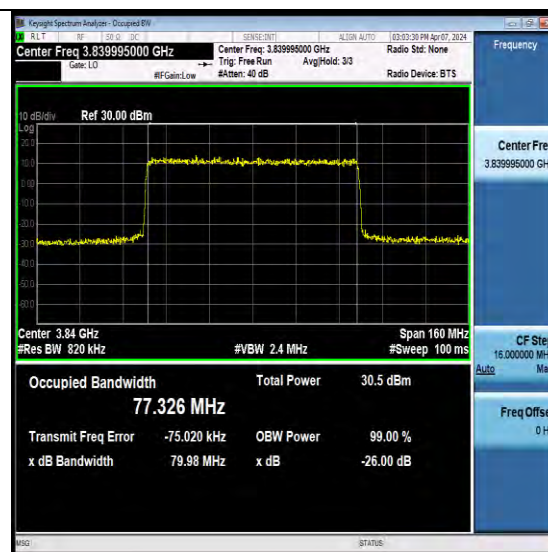


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Test Report No.: PSU-QSU2312140113RF07



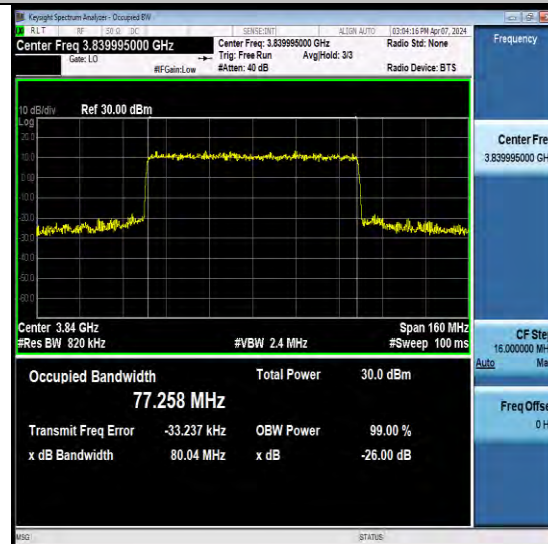
NTNV-N77-3700-3980-PC2-30-80-M-CP-QPSK-Outer_Full-Ant5-PASS



NTNV-N77-3700-3980-PC2-30-80-M-CP-16QAM-Outer_Full-Ant5-PASS



NTNV-N77-3700-3980-PC2-30-80-M-CP-64QAM-Outer_Full-Ant5-PASS



NTNV-N77-3700-3980-PC2-30-80-M-CP-256QAM-Outer_Full-Ant5-PASS



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Test Report No.: PSU-QSU2312140113RF07



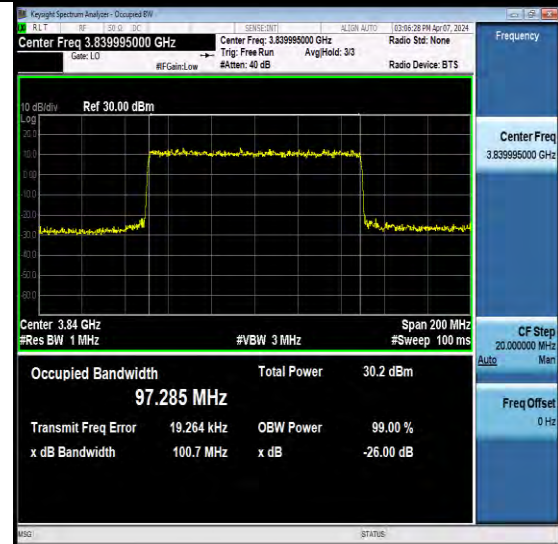
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NTN-N77-3700-3980-PC2-30-100-M-CP-16QAM-Outer_Full-Ant5-PASS

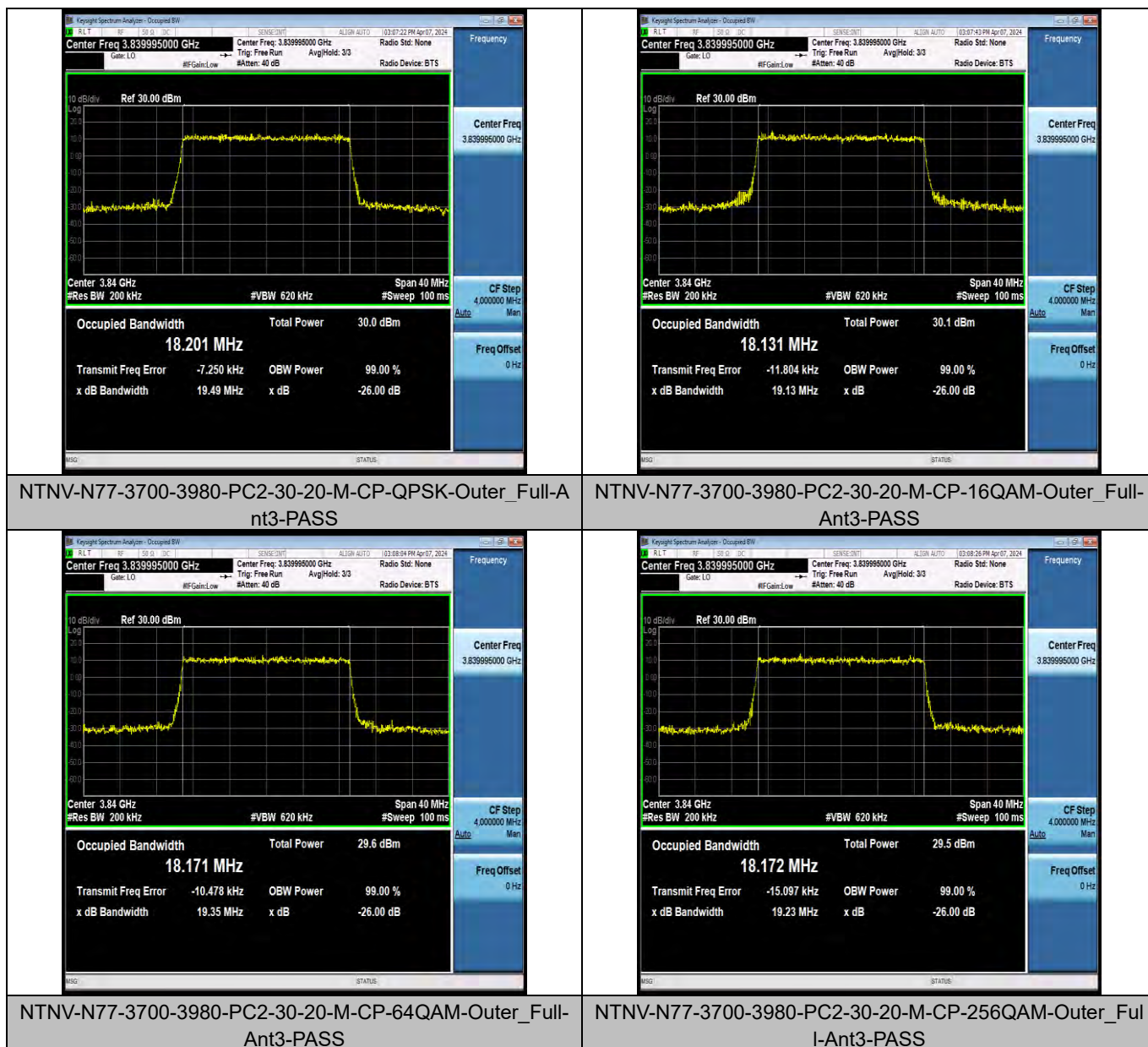


NTN-N77-3700-3980-PC2-30-100-M-CP-64QAM-Outer_Full-Ant5-PASS



NTN-N77-3700-3980-PC2-30-100-M-CP-256QAM-Outer_Full-Ant5-PASS

Test Graphs-Ant3





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Test Report No.: PSU-QSU2312140113RF07



NTNV-N77-3700-3980-PC2-30-30-M-CP-QPSK-Outet_Full-A
nt3-PASS



NTNV-N77-3700-3980-PC2-30-30-M-CP-16QAM-Outet_Full-A
Ant3-PASS



NTNV-N77-3700-3980-PC2-30-30-M-CP-64QAM-Outet_Full-A
Ant3-PASS



NTNV-N77-3700-3980-PC2-30-30-M-CP-256QAM-Outet_Full-A
I-Ant3-PASS

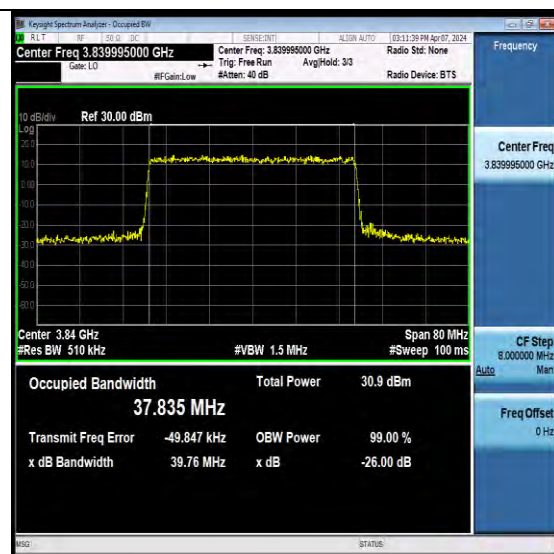


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Test Report No.: PSU-QSU2312140113RF07



NTN-N77-3700-3980-PC2-30-40-M-CP-QPSK-Outer_Full-Ant3-PASS



NTN-N77-3700-3980-PC2-30-40-M-CP-16QAM-Outer_Full-Ant3-PASS



NTN-N77-3700-3980-PC2-30-40-M-CP-64QAM-Outer_Full-Ant3-PASS



NTN-N77-3700-3980-PC2-30-40-M-CP-256QAM-Outer_Full-Ant3-PASS



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Test Report No.: PSU-QSU2312140113RF07



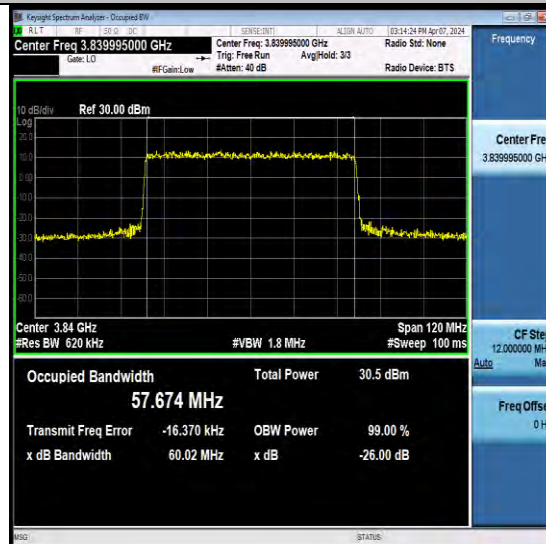
NTNV-N77-3700-3980-PC2-30-60-M-CP-QPSK-Outet_Full-A
nt3-PASS



NTNV-N77-3700-3980-PC2-30-60-M-CP-16QAM-Outet_Full-A
Ant3-PASS



NTNV-N77-3700-3980-PC2-30-60-M-CP-64QAM-Outet_Full-A
Ant3-PASS



NTNV-N77-3700-3980-PC2-30-60-M-CP-256QAM-Outet_Full-A
I-Ant3-PASS



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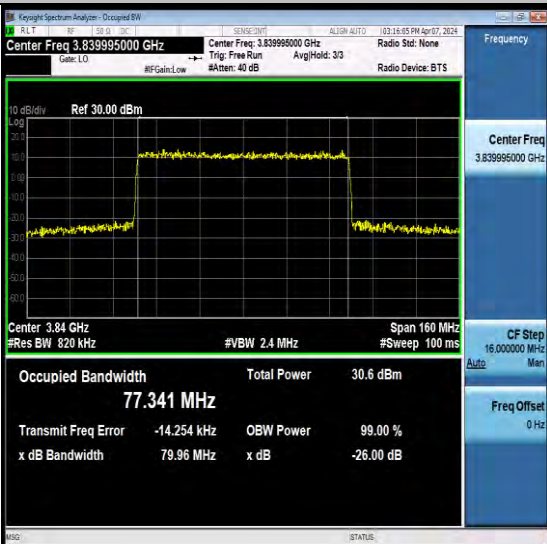
Test Report No.: PSU-QSU2312140113RF07



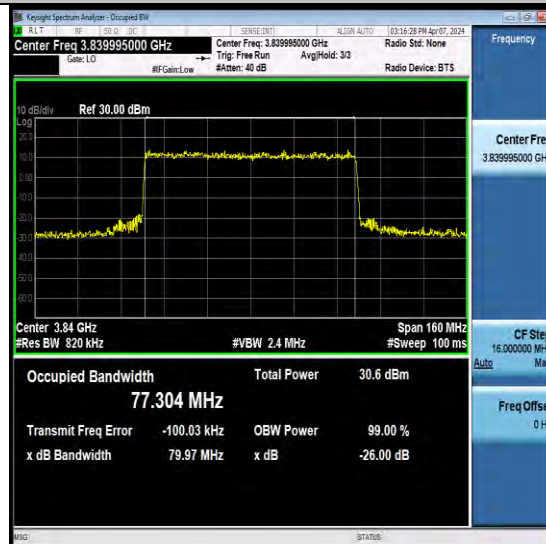
NTNV-N77-3700-3980-PC2-30-80-M-CP-QPSK-Outer_Full-Ant3-PASS



NTNV-N77-3700-3980-PC2-30-80-M-CP-16QAM-Outer_Full-Ant3-PASS



NTNV-N77-3700-3980-PC2-30-80-M-CP-64QAM-Outer_Full-Ant3-PASS



NTNV-N77-3700-3980-PC2-30-80-M-CP-256QAM-Outer_Full-Ant3-PASS

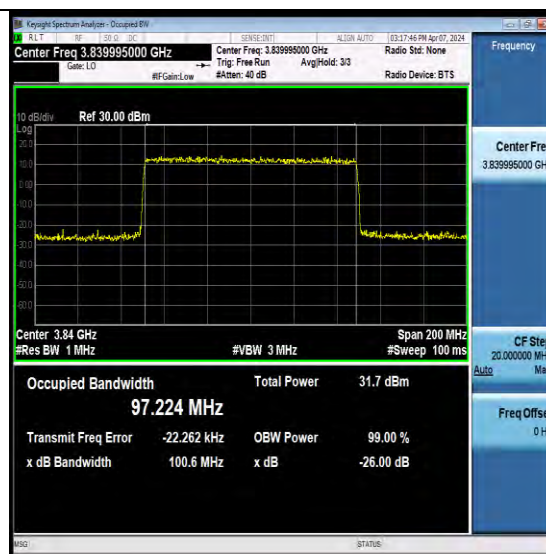


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Test Report No.: PSU-QSU2312140113RF07



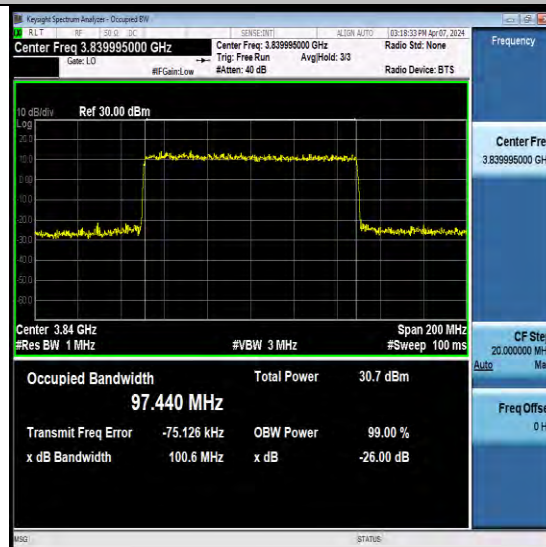
NTN-N77-3700-3980-PC2-30-100-M-CP-QPSK-Outter_Full-Ant3-PASS



NTN-N77-3700-3980-PC2-30-100-M-CP-16QAM-Outter_Full-Ant3-PASS



NTN-N77-3700-3980-PC2-30-100-M-CP-64QAM-Outter_Full-Ant3-PASS



NTN-N77-3700-3980-PC2-30-100-M-CP-256QAM-Outter_Full-Ant3-PASS

BAND EDGE FOR MIMO

Test Result-Ant5

Band	SCS	Bandwidth	Modulation	Channel	RB Config	Result	Verdict
N77-3700-3 980	30	20	CP-QPSK	L	Outer_Full	-33.84	PASS
N77-3700-3 980	30	20	CP-QPSK	L	Edge_1RB_ Left	-29.58	PASS
N77-3700-3 980	30	20	CP-QPSK	H	Outer_Full	-35.15	PASS
N77-3700-3 980	30	20	CP-QPSK	H	Edge_1RB_ Right	-31.99	PASS
N77-3700-3 980	30	60	CP-QPSK	L	Outer_Full	-36.33	PASS
N77-3700-3 980	30	60	CP-QPSK	L	Edge_1RB_ Left	-30.67	PASS
N77-3700-3 980	30	60	CP-QPSK	H	Outer_Full	-38.08	PASS
N77-3700-3 980	30	60	CP-QPSK	H	Edge_1RB_ Right	-32.04	PASS
N77-3700-3 980	30	100	CP-QPSK	L	Outer_Full	-36.07	PASS
N77-3700-3 980	30	100	CP-QPSK	L	Edge_1RB_ Left	-31.08	PASS
N77-3700-3 980	30	100	CP-QPSK	H	Outer_Full	-36.23	PASS
N77-3700-3 980	30	100	CP-QPSK	H	Edge_1RB_ Right	-31.89	PASS

Test Result-Ant3

Band	SCS	Bandwidth	Modulation	Channel	RB Config	Result	Verdict
N77-3700-3 980	30	20	CP-QPSK	L	Outer_Full	-32.04	PASS
N77-3700-3 980	30	20	CP-QPSK	L	Edge_1RB_ Left	-31.57	PASS
N77-3700-3 980	30	20	CP-QPSK	H	Outer_Full	-31.71	PASS
N77-3700-3 980	30	20	CP-QPSK	H	Edge_1RB_ Right	-32.55	PASS
N77-3700-3 980	30	60	CP-QPSK	L	Outer_Full	-33.43	PASS
N77-3700-3 980	30	60	CP-QPSK	L	Edge_1RB_ Left	-31.14	PASS
N77-3700-3 980	30	60	CP-QPSK	H	Outer_Full	-36.00	PASS
N77-3700-3 980	30	60	CP-QPSK	H	Edge_1RB_ Right	-30.47	PASS



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Test Report No.: PSU-QSU2312140113RF07

N77-3700-3 980	30	100	CP-QPSK	L	Outer_Full	-36.75	PASS
N77-3700-3 980	30	100	CP-QPSK	L	Edge_1RB_ Left	-31.82	PASS
N77-3700-3 980	30	100	CP-QPSK	H	Outer_Full	-34.22	PASS
N77-3700-3 980	30	100	CP-QPSK	H	Edge_1RB_ Right	-30.90	PASS