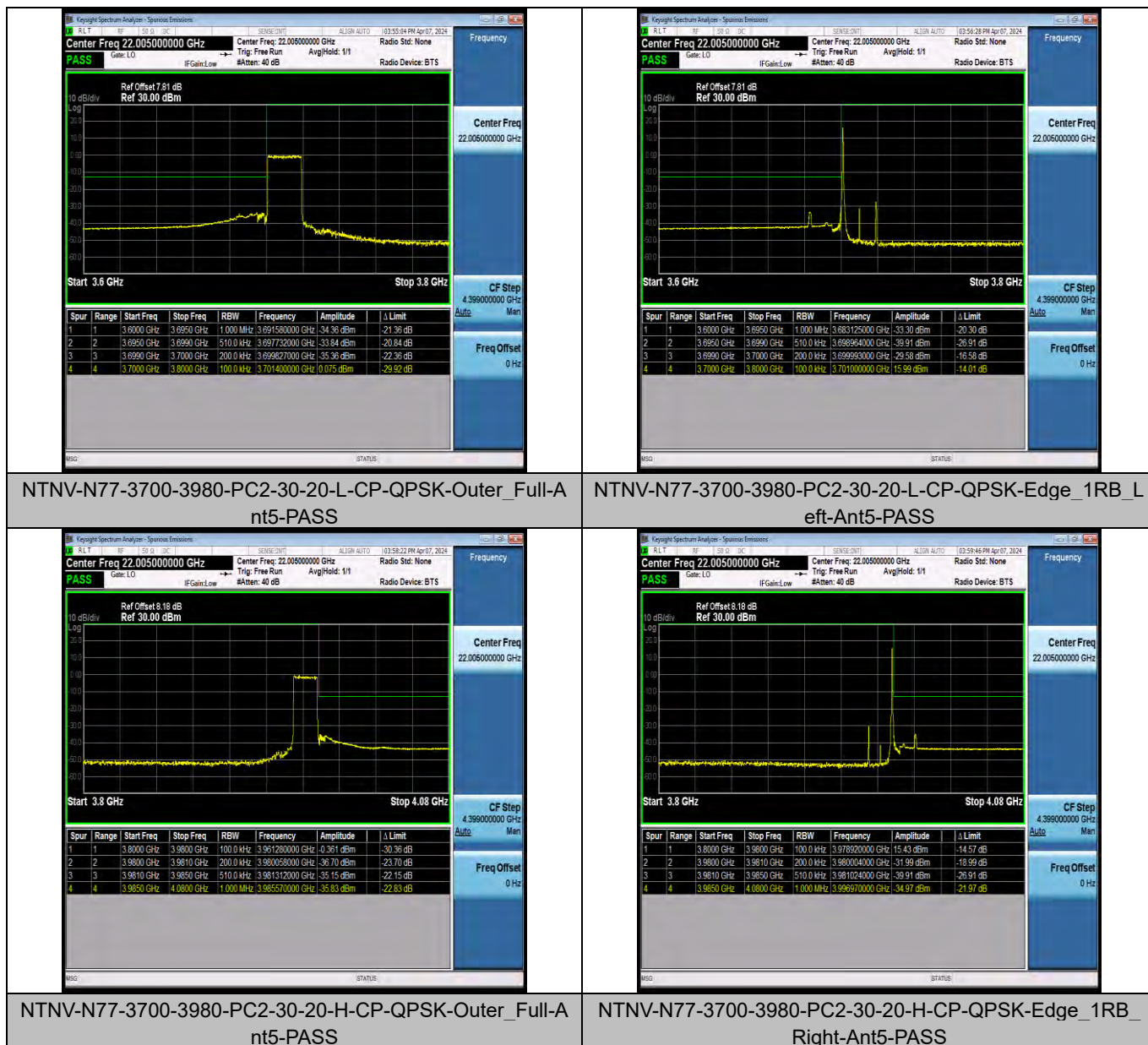




Test Report No.: PSU-QSU2312140113RF07

Test Graphs-Ant5

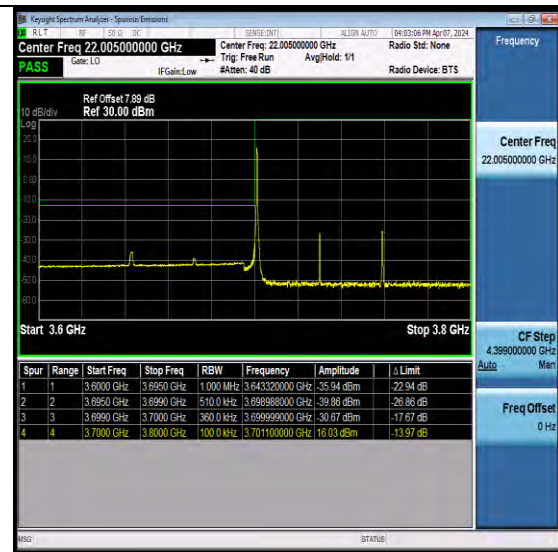




Test Report No.: PSU-QSU2312140113RF07



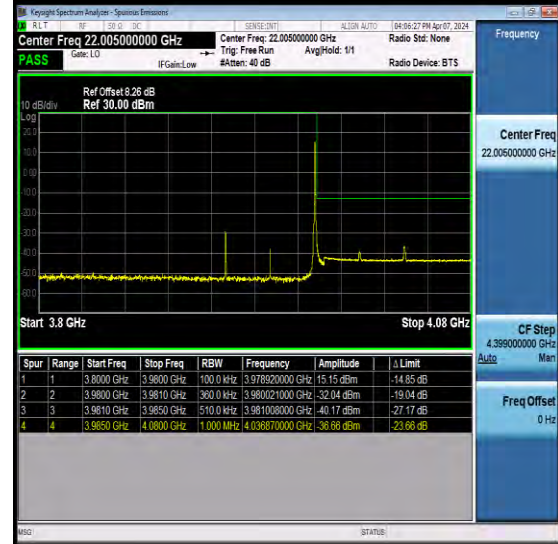
NTNV-N77-3700-3980-PC2-30-60-L-CP-QPSK-Outer_Full-A
nt5-PASS



NTNV-N77-3700-3980-PC2-30-60-L-CP-QPSK-Edge_1RB_L
eft-Ant5-PASS



NTNV-N77-3700-3980-PC2-30-60-H-CP-QPSK-Outer_Full-A
nt5-PASS

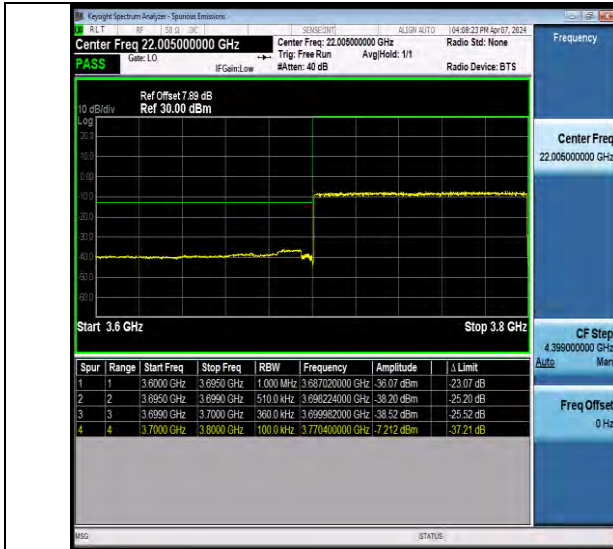


NTNV-N77-3700-3980-PC2-30-60-H-CP-QPSK-Edge_1RB_
Right-Ant5-PASS

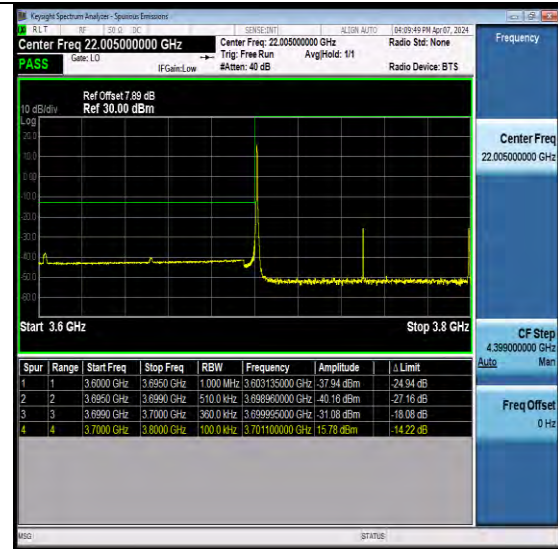


BUREAU
VERITAS

Test Report No.: PSU-QSU2312140113RF07



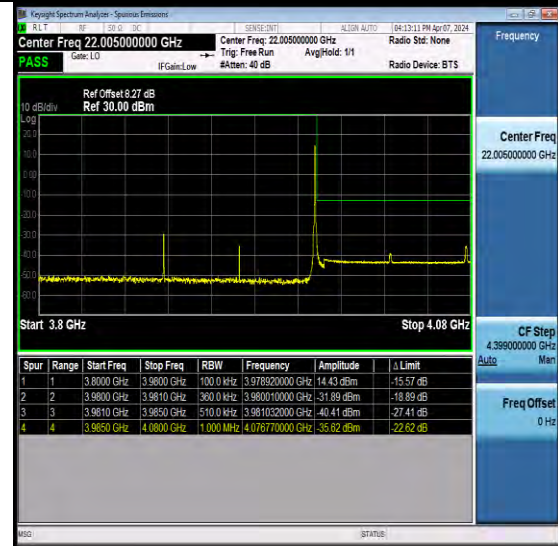
NTNV-N77-3700-3980-PC2-30-100-L-CP-QPSK-Outer_Full-Ant5-PASS



NTNV-N77-3700-3980-PC2-30-100-L-CP-QPSK-Edge_1RB_Left-Ant5-PASS

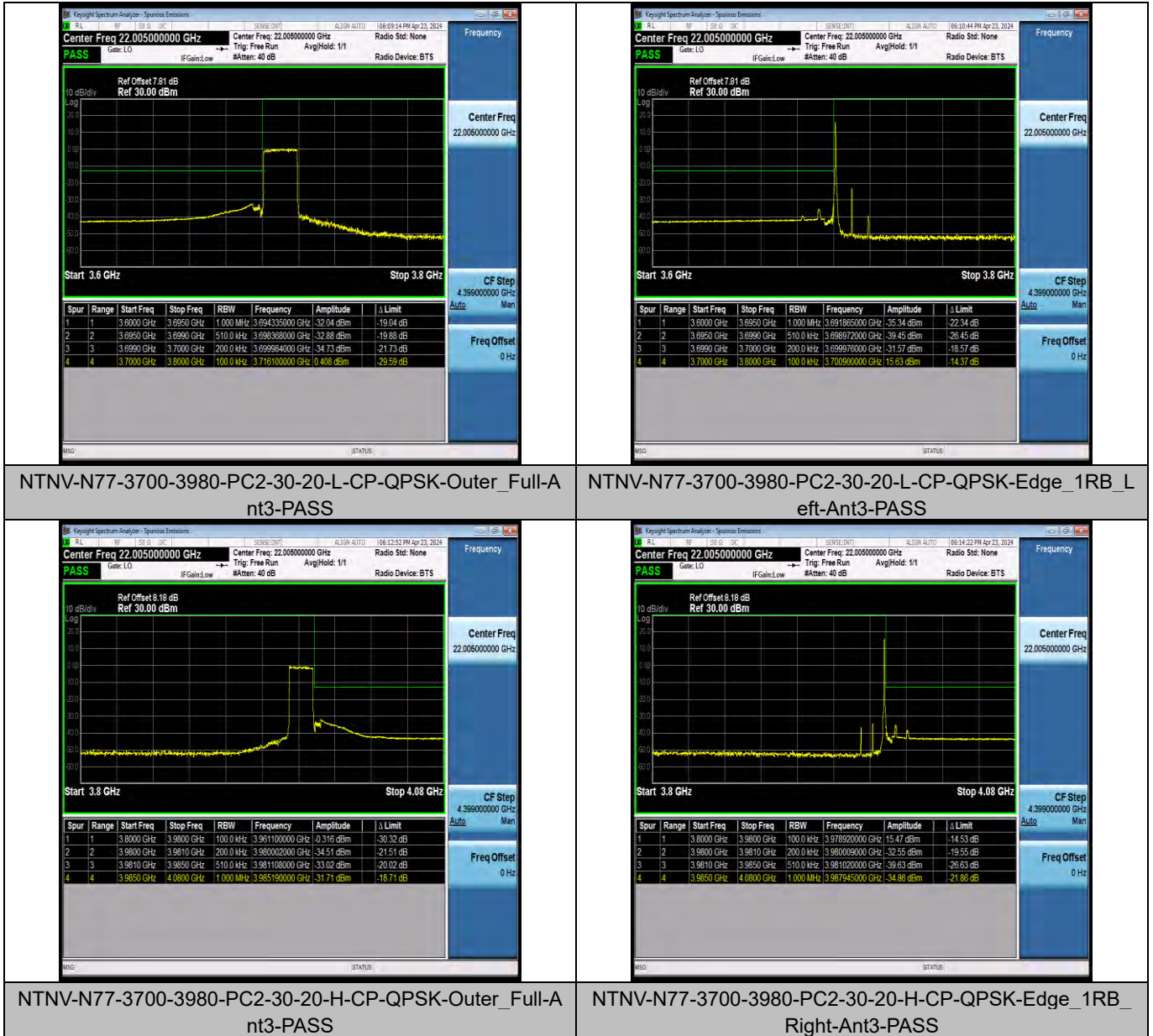


NTNV-N77-3700-3980-PC2-30-100-H-CP-QPSK-Outer_Full-Ant5-PASS



NTNV-N77-3700-3980-PC2-30-100-H-CP-QPSK-Edge_1RB_Right-Ant5-PASS

Test Graphs-Ant3



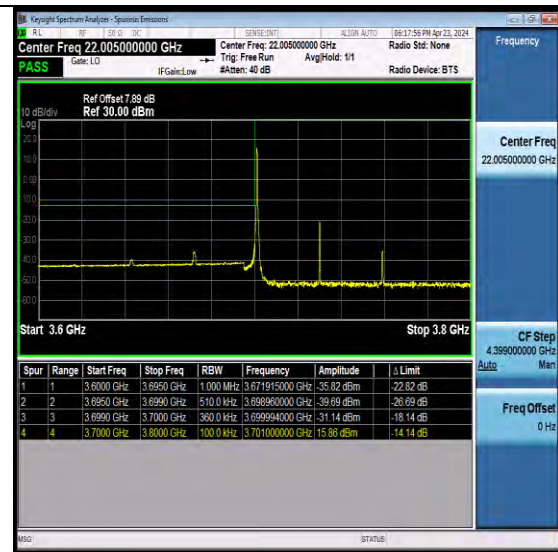


BUREAU
VERITAS

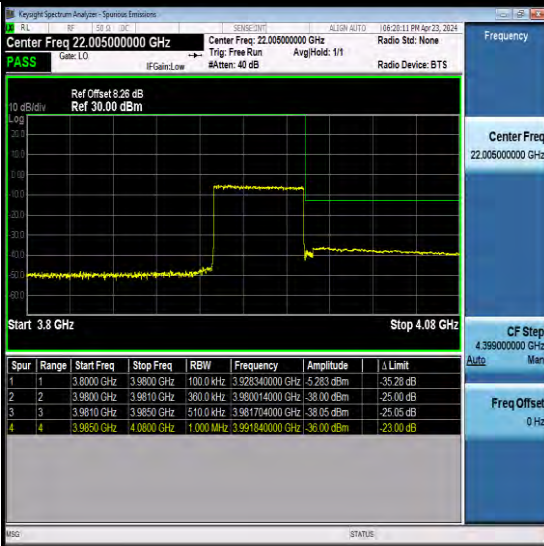
Test Report No.: PSU-QSU2312140113RF07



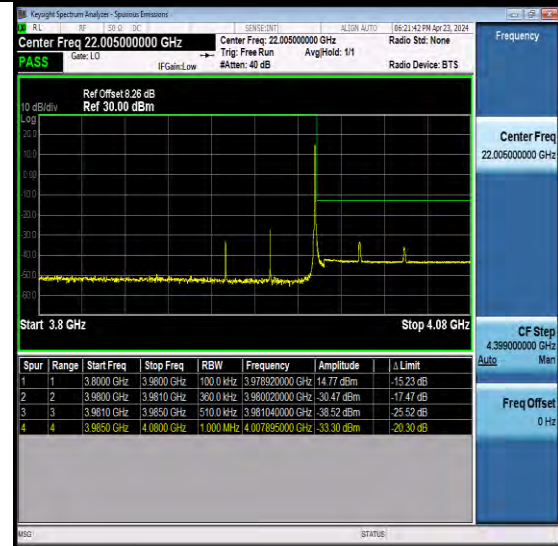
NTNV-N77-3700-3980-PC2-30-60-L-CP-QPSK-Outer_Full-A
nt3-PASS



NTNV-N77-3700-3980-PC2-30-60-L-CP-QPSK-Edge_1RB_L
eft-Ant3-PASS



NTNV-N77-3700-3980-PC2-30-60-H-CP-QPSK-Outer_Full-A
nt3-PASS



NTNV-N77-3700-3980-PC2-30-60-H-CP-QPSK-Edge_1RB_
Right-Ant3-PASS

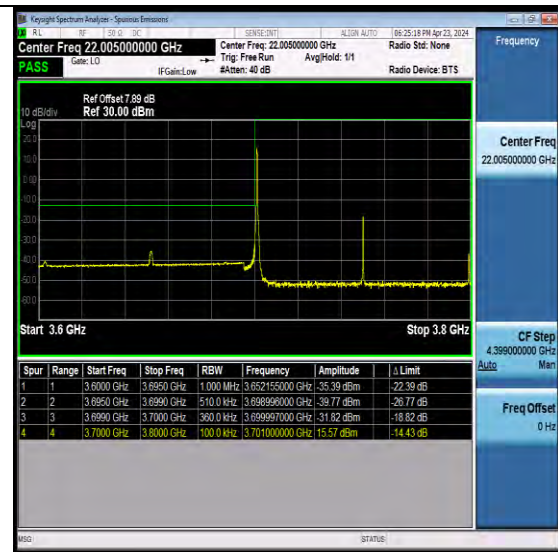


BUREAU
VERITAS

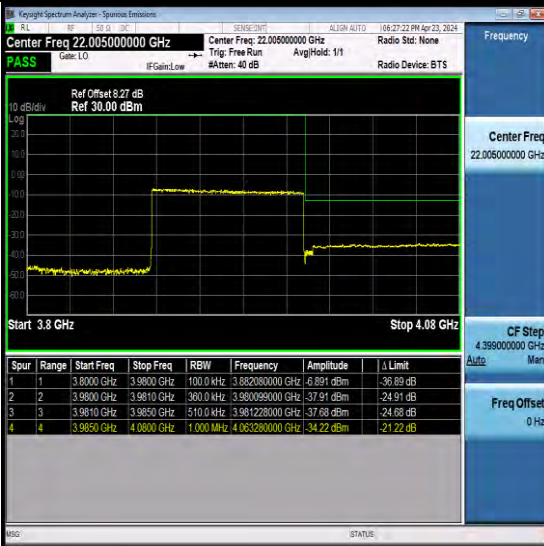
Test Report No.: PSU-QSU2312140113RF07



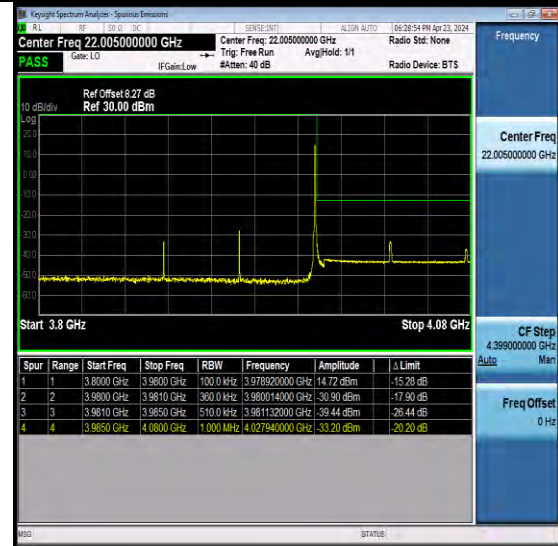
NTNV-N77-3700-3980-PC2-30-100-L-CP-QPSK-Outter_Full-Ant3-PASS



NTNV-N77-3700-3980-PC2-30-100-L-CP-QPSK-Edge_1RB_Left-Ant3-PASS



NTNV-N77-3700-3980-PC2-30-100-H-CP-QPSK-Outter_Full-Ant3-PASS



NTNV-N77-3700-3980-PC2-30-100-H-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
N77-3 700-39 80	30	20	CP-QPSK	L	Edge_1RB_Left	30	1000	-45.19	-13	PASS
N77-3 700-39 80	30	20	CP-QPSK	L	Edge_1RB_Left	1000	40000	-22.88	-13	PASS
N77-3 700-39 80	30	20	CP-QPSK	M	Edge_1RB_Left	30	1000	-45.20	-13	PASS
N77-3 700-39 80	30	20	CP-QPSK	M	Edge_1RB_Left	1000	40000	-23.56	-13	PASS
N77-3 700-39 80	30	20	CP-QPSK	H	Edge_1RB_Left	30	1000	-45.31	-13	PASS
N77-3 700-39 80	30	20	CP-QPSK	H	Edge_1RB_Left	1000	40000	-23.50	-13	PASS
N77-3 700-39 80	30	60	CP-QPSK	L	Edge_1RB_Left	30	1000	-45.02	-13	PASS
N77-3 700-39 80	30	60	CP-QPSK	L	Edge_1RB_Left	1000	40000	-23.40	-13	PASS
N77-3 700-39 80	30	60	CP-QPSK	M	Edge_1RB_Left	30	1000	-45.20	-13	PASS
N77-3 700-39 80	30	60	CP-QPSK	M	Edge_1RB_Left	1000	40000	-23.73	-13	PASS
N77-3 700-39 80	30	60	CP-QPSK	H	Edge_1RB_Left	30	1000	-45.08	-13	PASS
N77-3 700-39 80	30	60	CP-QPSK	H	Edge_1RB_Left	1000	40000	-23.33	-13	PASS
N77-3 700-39 80	30	100	CP-QPSK	L	Edge_1RB_Left	30	1000	-45.07	-13	PASS
N77-3 700-39	30	100	CP-QPSK	L	Edge_1RB_Left	1000	40000	-23.59	-13	PASS



**BUREAU
VERITAS**

Test Report No.: PSU-QSU2312140113RF07

80										
N77-3 700-39 80	30	100	CP-QPSK	M	Edge_1RB_Left	30	1000	-45.20	-13	PASS
N77-3 700-39 80	30	100	CP-QPSK	M	Edge_1RB_Left	1000	40000	-23.61	-13	PASS
N77-3 700-39 80	30	100	CP-QPSK	H	Edge_1RB_Left	30	1000	-45.22	-13	PASS
N77-3 700-39 80	30	100	CP-QPSK	H	Edge_1RB_Left	1000	40000	-23.58	-13	PASS

Test Result-ANT3

Band	SCS	Bandwidth	Modulation	Channel	RB Config	StartFreq	StopFreq	Result	Limit	Verdict
N77-3 700-39 80	30	20	CP-QPSK	L	Edge_1RB_Left	30	1000	-45.10	-13	PASS
N77-3 700-39 80	30	20	CP-QPSK	L	Edge_1RB_Left	1000	40000	-22.71	-13	PASS
N77-3 700-39 80	30	20	CP-QPSK	M	Edge_1RB_Left	30	1000	-45.14	-13	PASS
N77-3 700-39 80	30	20	CP-QPSK	M	Edge_1RB_Left	1000	40000	-22.48	-13	PASS
N77-3 700-39 80	30	20	CP-QPSK	H	Edge_1RB_Left	30	1000	-45.14	-13	PASS
N77-3 700-39 80	30	20	CP-QPSK	H	Edge_1RB_Left	1000	40000	-22.48	-13	PASS
N77-3 700-39 80	30	60	CP-QPSK	L	Edge_1RB_Left	30	1000	-45.20	-13	PASS
N77-3 700-39 80	30	60	CP-QPSK	L	Edge_1RB_Left	1000	40000	-22.68	-13	PASS
N77-3 700-39 80	30	60	CP-QPSK	M	Edge_1RB_Left	30	1000	-45.05	-13	PASS
N77-3 700-39 80	30	60	CP-QPSK	M	Edge_1RB_Left	1000	40000	-22.64	-13	PASS
N77-3 700-39 80	30	60	CP-QPSK	H	Edge_1RB_Left	30	1000	-45.26	-13	PASS
N77-3	30	60	CP-QPSK	H	Edge_1RB_Left	1000	40000	-22.42	-13	PASS



BUREAU
VERITAS

Test Report No.: PSU-QSU2312140113RF07

700-39 80										
N77-3 700-39 80	30	100	CP-QPSK	L	Edge_1RB_Left	30	1000	-45.12	-13	PASS
N77-3 700-39 80	30	100	CP-QPSK	L	Edge_1RB_Left	1000	40000	-22.41	-13	PASS
N77-3 700-39 80	30	100	CP-QPSK	M	Edge_1RB_Left	30	1000	-45.28	-13	PASS
N77-3 700-39 80	30	100	CP-QPSK	M	Edge_1RB_Left	1000	40000	-22.63	-13	PASS
N77-3 700-39 80	30	100	CP-QPSK	H	Edge_1RB_Left	30	1000	-45.06	-13	PASS
N77-3 700-39 80	30	100	CP-QPSK	H	Edge_1RB_Left	1000	40000	-22.21	-13	PASS

Test Graphs-Ant5



NTNV-N77-3700-3980-PC2-30-20-L-CP-QPSK-Edge_1RB_L
eft-Ant5-PASS



NTNV-N77-3700-3980-PC2-30-20-L-CP-QPSK-Edge_1RB_L
eft-Ant5-PASS



NTNV-N77-3700-3980-PC2-30-20-M-CP-QPSK-Edge_1RB_
Left-Ant5-PASS



NTNV-N77-3700-3980-PC2-30-20-M-CP-QPSK-Edge_1RB_
Left-Ant5-PASS



BUREAU
VERITAS

Test Report No.: PSU-QSU2312140113RF07



NTNV-N77-3700-3980-PC2-30-20-H-CP-QPSK-Edge_1RB_
Left-Ant5-PASS



NTNV-N77-3700-3980-PC2-30-20-H-CP-QPSK-Edge_1RB_
Left-Ant5-PASS



NTNV-N77-3700-3980-PC2-30-60-L-CP-QPSK-Edge_1RB_L
eft-Ant5-PASS



NTNV-N77-3700-3980-PC2-30-60-L-CP-QPSK-Edge_1RB_L
eft-Ant5-PASS



BUREAU
VERITAS

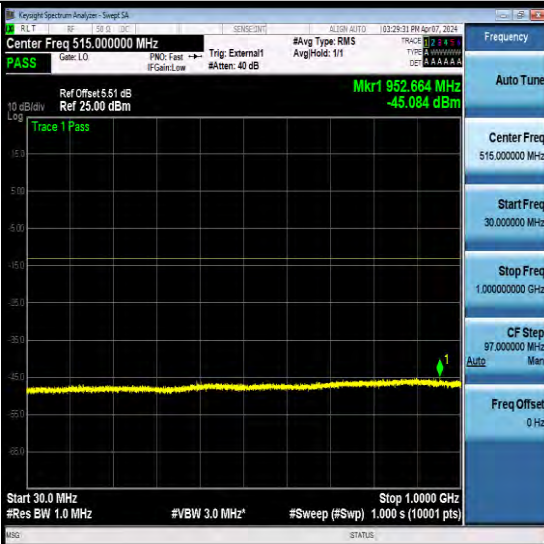
Test Report No.: PSU-QSU2312140113RF07



NTNV-N77-3700-3980-PC2-30-60-M-CP-QPSK-Edge_1RB_
Left-Ant5-PASS



NTNV-N77-3700-3980-PC2-30-60-M-CP-QPSK-Edge_1RB_
Left-Ant5-PASS



NTNV-N77-3700-3980-PC2-30-60-H-CP-QPSK-Edge_1RB_
Left-Ant5-PASS



NTNV-N77-3700-3980-PC2-30-60-H-CP-QPSK-Edge_1RB_
Left-Ant5-PASS



BUREAU
VERITAS

Test Report No.: PSU-QSU2312140113RF07



NTN-N77-3700-3980-PC2-30-100-L-CP-QPSK-Edge_1RB_Left-Ant5-PASS



NTN-N77-3700-3980-PC2-30-100-L-CP-QPSK-Edge_1RB_Left-Ant5-PASS



NTN-N77-3700-3980-PC2-30-100-M-CP-QPSK-Edge_1RB_Left-Ant5-PASS

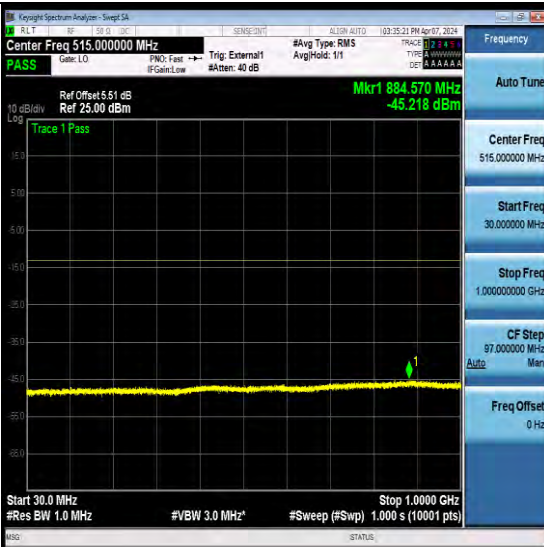


NTN-N77-3700-3980-PC2-30-100-M-CP-QPSK-Edge_1RB_Left-Ant5-PASS



BUREAU
VERITAS

Test Report No.: PSU-QSU2312140113RF07



NTNV-N77-3700-3980-PC2-30-100-H-CP-QPSK-Edge_1RB
_Left-Ant5-PASS



NTNV-N77-3700-3980-PC2-30-100-H-CP-QPSK-Edge_1RB
_Left-Ant5-PASS

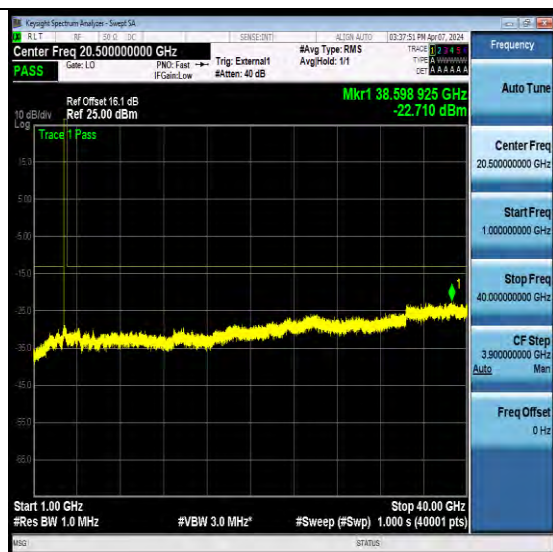


Test Report No.: PSU-QSU2312140113RF07

Test Graphs-Ant3



NTNV-N77-3700-3980-PC2-30-20-L-CP-QPSK-Edge_1RB_L
eft-Ant3-PASS



NTNV-N77-3700-3980-PC2-30-20-L-CP-QPSK-Edge_1RB_L
eft-Ant3-PASS



NTNV-N77-3700-3980-PC2-30-20-M-CP-QPSK-Edge_1RB_
Left-Ant3-PASS



NTNV-N77-3700-3980-PC2-30-20-M-CP-QPSK-Edge_1RB_
Left-Ant3-PASS

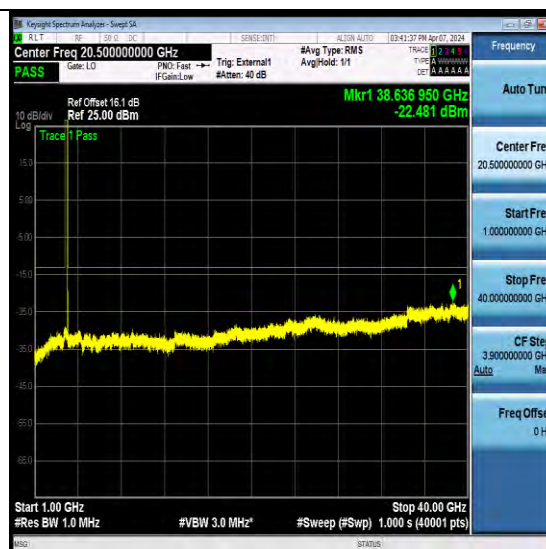


BUREAU
VERITAS

Test Report No.: PSU-QSU2312140113RF07



NTNV-N77-3700-3980-PC2-30-20-H-CP-QPSK-Edge_1RB_
Left-Ant3-PASS



NTNV-N77-3700-3980-PC2-30-20-H-CP-QPSK-Edge_1RB_
Left-Ant3-PASS



NTNV-N77-3700-3980-PC2-30-60-L-CP-QPSK-Edge_1RB_L
eft-Ant3-PASS



NTNV-N77-3700-3980-PC2-30-60-L-CP-QPSK-Edge_1RB_L
eft-Ant3-PASS



BUREAU
VERITAS

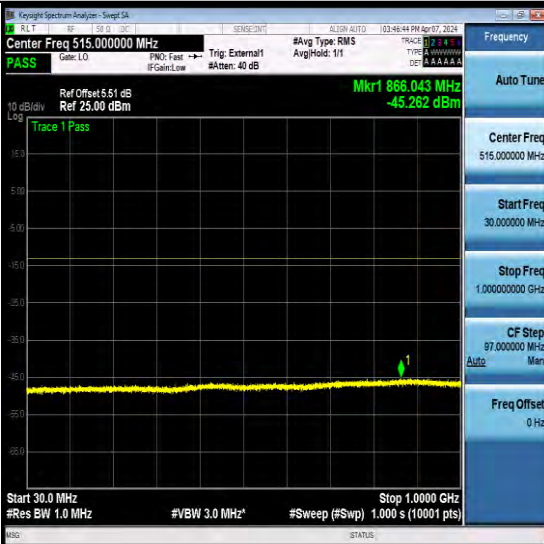
Test Report No.: PSU-QSU2312140113RF07



NTNV-N77-3700-3980-PC2-30-60-M-CP-QPSK-Edge_1RB_
Left-Ant3-PASS



NTNV-N77-3700-3980-PC2-30-60-M-CP-QPSK-Edge_1RB_
Left-Ant3-PASS



NTNV-N77-3700-3980-PC2-30-60-H-CP-QPSK-Edge_1RB_
Left-Ant3-PASS



NTNV-N77-3700-3980-PC2-30-60-H-CP-QPSK-Edge_1RB_
Left-Ant3-PASS

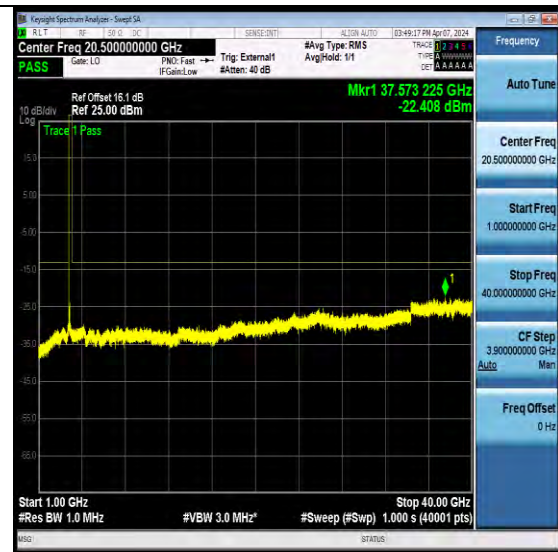


BUREAU
VERITAS

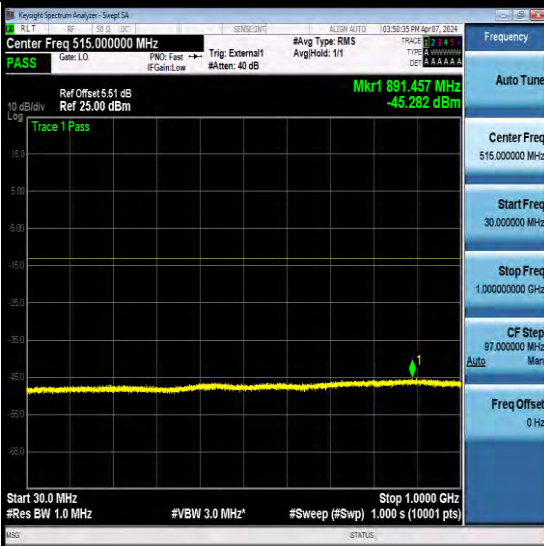
Test Report No.: PSU-QSU2312140113RF07



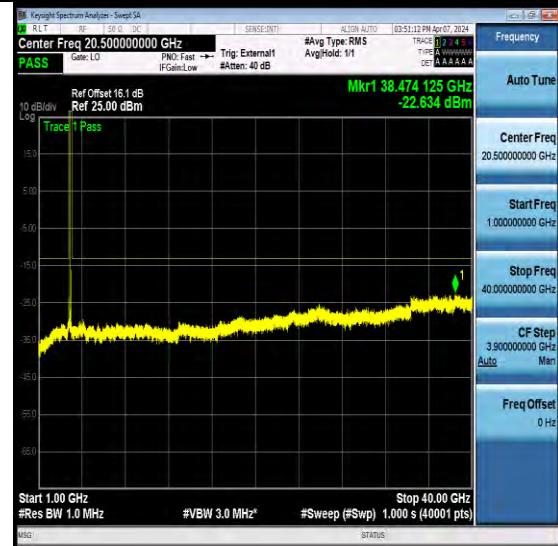
NTN-N77-3700-3980-PC2-30-100-L-CP-QPSK-Edge_1RB_
Left-Ant3-PASS



NTN-N77-3700-3980-PC2-30-100-L-CP-QPSK-Edge_1RB_
Left-Ant3-PASS



NTN-N77-3700-3980-PC2-30-100-M-CP-QPSK-Edge_1RB
Left-Ant3-PASS

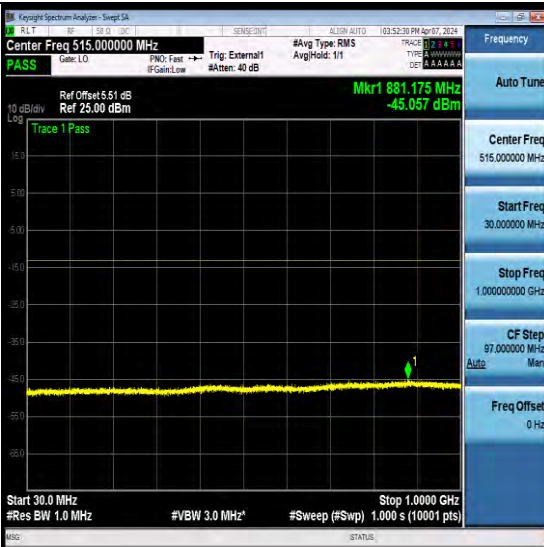


NTN-N77-3700-3980-PC2-30-100-M-CP-QPSK-Edge_1RB
Left-Ant3-PASS



BUREAU
VERITAS

Test Report No.: PSU-QSU2312140113RF07



NTNV-N77-3700-3980-PC2-30-100-H-CP-QPSK-Edge_1RB
_Left-Ant3-PASS



NTNV-N77-3700-3980-PC2-30-100-H-CP-QPSK-Edge_1RB
_Left-Ant3-PASS



Test Report No.: PSU-QSU2312140113RF07

FREQUENCY STABILITY FOR MIMO

Test Result-Ant5

Band	SCS	Bandwidth	Modulation	Channel	RB Config	Voltage	Temperature	Deviation(Hz)	Deviation (ppm)	Verdict
N77-370 0-3980	30	20	CP-QPSK	L	Outer_Full	VL	NT	11.000000	0.002965	PASS
N77-370 0-3980	30	20	CP-QPSK	L	Outer_Full	VN	NT	17.000000	0.004582	PASS
N77-370 0-3980	30	20	CP-QPSK	L	Outer_Full	VH	NT	8.000000	0.002156	PASS
N77-370 0-3980	30	20	CP-QPSK	L	Outer_Full	NV	-30	17.000000	0.004582	PASS
N77-370 0-3980	30	20	CP-QPSK	L	Outer_Full	NV	-20	9.000000	0.002426	PASS
N77-370 0-3980	30	20	CP-QPSK	L	Outer_Full	NV	-10	7.000000	0.001887	PASS
N77-370 0-3980	30	20	CP-QPSK	L	Outer_Full	NV	0	6.000000	0.001617	PASS
N77-370 0-3980	30	20	CP-QPSK	L	Outer_Full	NV	10	8.000000	0.002156	PASS
N77-370 0-3980	30	20	CP-QPSK	L	Outer_Full	NV	20	13.000000	0.003504	PASS
N77-370 0-3980	30	20	CP-QPSK	L	Outer_Full	NV	30	6.000000	0.001617	PASS
N77-370 0-3980	30	20	CP-QPSK	L	Outer_Full	NV	40	14.000000	0.003774	PASS
N77-370 0-3980	30	20	CP-QPSK	L	Outer_Full	NV	50	16.000000	0.004313	PASS
N77-370 0-3980	30	20	CP-QPSK	M	Outer_Full	VL	NT	18.000000	0.004688	PASS
N77-370 0-3980	30	20	CP-QPSK	M	Outer_Full	VN	NT	1.000000	0.000260	PASS
N77-370 0-3980	30	20	CP-QPSK	M	Outer_Full	VH	NT	18.000000	0.004688	PASS
N77-370 0-3980	30	20	CP-QPSK	M	Outer_Full	NV	-30	13.000000	0.003385	PASS
N77-370 0-3980	30	20	CP-QPSK	M	Outer_Full	NV	-20	12.000000	0.003125	PASS
N77-370 0-3980	30	20	CP-QPSK	M	Outer_Full	NV	-10	8.000000	0.002083	PASS
N77-370 0-3980	30	20	CP-QPSK	M	Outer_Full	NV	0	10.000000	0.002604	PASS
N77-370 0-3980	30	20	CP-QPSK	M	Outer_Full	NV	10	12.000000	0.003125	PASS
N77-370	30	20	CP-QPSK	M	Outer_Full	NV	20	14.000000	0.003646	PASS

Huarui 7layers High Technology
(Suzhou) Co., Ltd.

Tower N, Innovation Center, 88 Zuyi Road,
High-tech District, Suzhou City, Anhui Province

Tel: +86 (0557) 368 1008



Test Report No.: PSU-QSU2312140113RF07

0-3980										
N77-370 0-3980	30	20	CP-QPSK	M	Outer_Full	NV	30	9.000000	0.002344	PASS
N77-370 0-3980	30	20	CP-QPSK	M	Outer_Full	NV	40	11.000000	0.002865	PASS
N77-370 0-3980	30	20	CP-QPSK	M	Outer_Full	NV	50	18.000000	0.004688	PASS
N77-370 0-3980	30	20	CP-QPSK	H	Outer_Full	VL	NT	8.000000	0.002014	PASS
N77-370 0-3980	30	20	CP-QPSK	H	Outer_Full	VN	NT	5.000000	0.001259	PASS
N77-370 0-3980	30	20	CP-QPSK	H	Outer_Full	VH	NT	16.000000	0.004029	PASS
N77-370 0-3980	30	20	CP-QPSK	H	Outer_Full	NV	-30	3.000000	0.000756	PASS
N77-370 0-3980	30	20	CP-QPSK	H	Outer_Full	NV	-20	15.000000	0.003778	PASS
N77-370 0-3980	30	20	CP-QPSK	H	Outer_Full	NV	-10	3.000000	0.000756	PASS
N77-370 0-3980	30	20	CP-QPSK	H	Outer_Full	NV	0	17.000000	0.004282	PASS
N77-370 0-3980	30	20	CP-QPSK	H	Outer_Full	NV	10	7.000000	0.001763	PASS
N77-370 0-3980	30	20	CP-QPSK	H	Outer_Full	NV	20	2.000000	0.000504	PASS
N77-370 0-3980	30	20	CP-QPSK	H	Outer_Full	NV	30	17.000000	0.004282	PASS
N77-370 0-3980	30	20	CP-QPSK	H	Outer_Full	NV	40	10.000000	0.002519	PASS
N77-370 0-3980	30	20	CP-QPSK	H	Outer_Full	NV	50	5.000000	0.001259	PASS

Test Result-Ant3

Band	SCS	Bandwidth	Modulation	Channel	RB Config	Voltage	Temperature	Deviation(Hz)	Deviation (ppm)	Verdict
N77-370 0-3980	30	20	CP-QPSK	L	Outer_Full	VL	NT	4.000000	0.001078	PASS
N77-370 0-3980	30	20	CP-QPSK	L	Outer_Full	VN	NT	14.000000	0.003774	PASS
N77-370 0-3980	30	20	CP-QPSK	L	Outer_Full	VH	NT	1.000000	0.000270	PASS
N77-370 0-3980	30	20	CP-QPSK	L	Outer_Full	NV	-30	3.000000	0.000809	PASS
N77-370 0-3980	30	20	CP-QPSK	L	Outer_Full	NV	-20	10.000000	0.002695	PASS
N77-370 0-3980	30	20	CP-QPSK	L	Outer_Full	NV	-10	12.000000	0.003234	PASS

Huarui 7layers High Technology
(Suzhou) Co., Ltd.

Tower N, Innovation Center, 88 Zuyi Road,
High-tech District, Suzhou City, Anhui Province

Tel: +86 (0557) 368 1008



Test Report No.: PSU-QSU2312140113RF07

N77-370 0-3980	30	20	CP-QPSK	L	Outer_Full	NV	0	7.000000	0.001887	PASS
N77-370 0-3980	30	20	CP-QPSK	L	Outer_Full	NV	10	9.000000	0.002426	PASS
N77-370 0-3980	30	20	CP-QPSK	L	Outer_Full	NV	20	18.000000	0.004852	PASS
N77-370 0-3980	30	20	CP-QPSK	L	Outer_Full	NV	30	5.000000	0.001348	PASS
N77-370 0-3980	30	20	CP-QPSK	L	Outer_Full	NV	40	12.000000	0.003234	PASS
N77-370 0-3980	30	20	CP-QPSK	L	Outer_Full	NV	50	14.000000	0.003774	PASS
N77-370 0-3980	30	20	CP-QPSK	M	Outer_Full	VL	NT	11.000000	0.002865	PASS
N77-370 0-3980	30	20	CP-QPSK	M	Outer_Full	VN	NT	9.000000	0.002344	PASS
N77-370 0-3980	30	20	CP-QPSK	M	Outer_Full	VH	NT	14.000000	0.003646	PASS
N77-370 0-3980	30	20	CP-QPSK	M	Outer_Full	NV	-30	16.000000	0.004167	PASS
N77-370 0-3980	30	20	CP-QPSK	M	Outer_Full	NV	-20	18.000000	0.004688	PASS
N77-370 0-3980	30	20	CP-QPSK	M	Outer_Full	NV	-10	17.000000	0.004427	PASS
N77-370 0-3980	30	20	CP-QPSK	M	Outer_Full	NV	0	6.000000	0.001563	PASS
N77-370 0-3980	30	20	CP-QPSK	M	Outer_Full	NV	10	11.000000	0.002865	PASS
N77-370 0-3980	30	20	CP-QPSK	M	Outer_Full	NV	20	6.000000	0.001563	PASS
N77-370 0-3980	30	20	CP-QPSK	M	Outer_Full	NV	30	1.000000	0.000260	PASS
N77-370 0-3980	30	20	CP-QPSK	M	Outer_Full	NV	40	15.000000	0.003906	PASS
N77-370 0-3980	30	20	CP-QPSK	M	Outer_Full	NV	50	14.000000	0.003646	PASS
N77-370 0-3980	30	20	CP-QPSK	H	Outer_Full	VL	NT	19.000000	0.004786	PASS
N77-370 0-3980	30	20	CP-QPSK	H	Outer_Full	VN	NT	18.000000	0.004534	PASS
N77-370 0-3980	30	20	CP-QPSK	H	Outer_Full	VH	NT	4.000000	0.001008	PASS
N77-370 0-3980	30	20	CP-QPSK	H	Outer_Full	NV	-30	18.000000	0.004534	PASS
N77-370 0-3980	30	20	CP-QPSK	H	Outer_Full	NV	-20	13.000000	0.003275	PASS
N77-370 0-3980	30	20	CP-QPSK	H	Outer_Full	NV	-10	3.000000	0.000756	PASS
N77-370 0-3980	30	20	CP-QPSK	H	Outer_Full	NV	0	14.000000	0.003526	PASS
N77-370	30	20	CP-QPSK	H	Outer_Full	NV	10	19.000000	0.004786	PASS

Huarui 7layers High Technology
(Suzhou) Co., Ltd.

Tower N, Innovation Center, 88 Zuyi Road,
High-tech District, Suzhou City, Anhui Province

Tel: +86 (0557) 368 1008



BUREAU
VERITAS

Test Report No.: PSU-QSU2312140113RF07

0-3980										
N77-370 0-3980	30	20	CP-QPSK	H	Outer_Full	NV	20	15.000000	0.003778	PASS
N77-370 0-3980	30	20	CP-QPSK	H	Outer_Full	NV	30	7.000000	0.001763	PASS
N77-370 0-3980	30	20	CP-QPSK	H	Outer_Full	NV	40	12.000000	0.003023	PASS
N77-370 0-3980	30	20	CP-QPSK	H	Outer_Full	NV	50	7.000000	0.001763	PASS



Test Report No.: PSU-QSU2312140113RF07

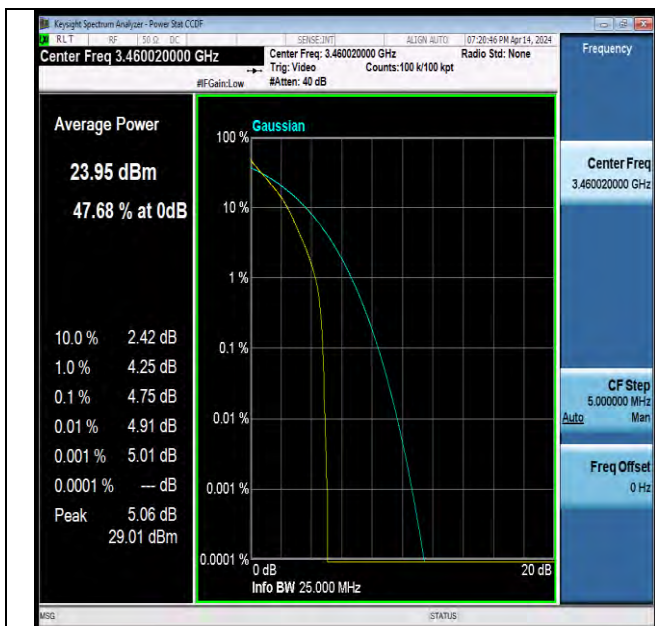
N78-3450-3550

PEAK-TO-AVERAGE RATIO FOR SA

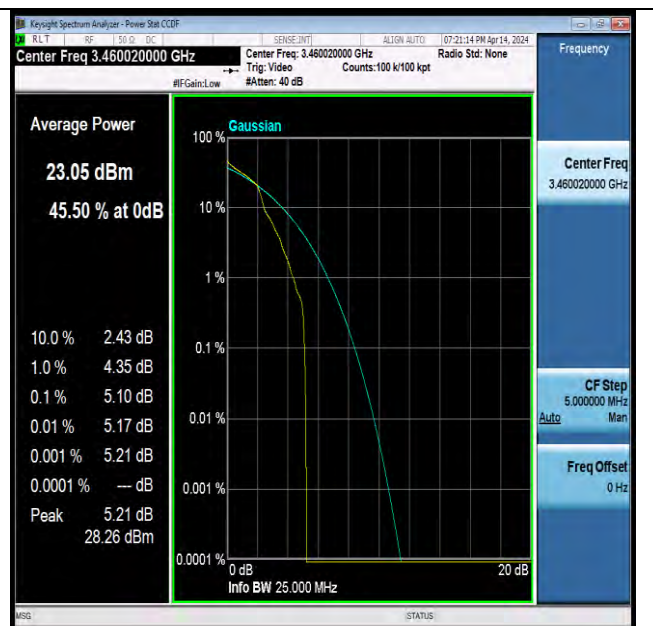
Test Result

Band	SCS	Bandwidth	Modulation	Channel	RB Config	Result	Limit	Verdict
N78-3450-3550	30	20	DFT-QPSK	L	Outer_Full	4.75	≤ 13	PASS
N78-3450-3550	30	20	DFT-QPSK	L	Edge_1RB_Left	5.10	≤ 13	PASS
N78-3450-3550	30	20	DFT-QPSK	M	Outer_Full	4.72	≤ 13	PASS
N78-3450-3550	30	20	DFT-QPSK	M	Edge_1RB_Left	5.63	≤ 13	PASS
N78-3450-3550	30	20	DFT-QPSK	H	Outer_Full	4.73	≤ 13	PASS
N78-3450-3550	30	20	DFT-QPSK	H	Edge_1RB_Left	5.52	≤ 13	PASS

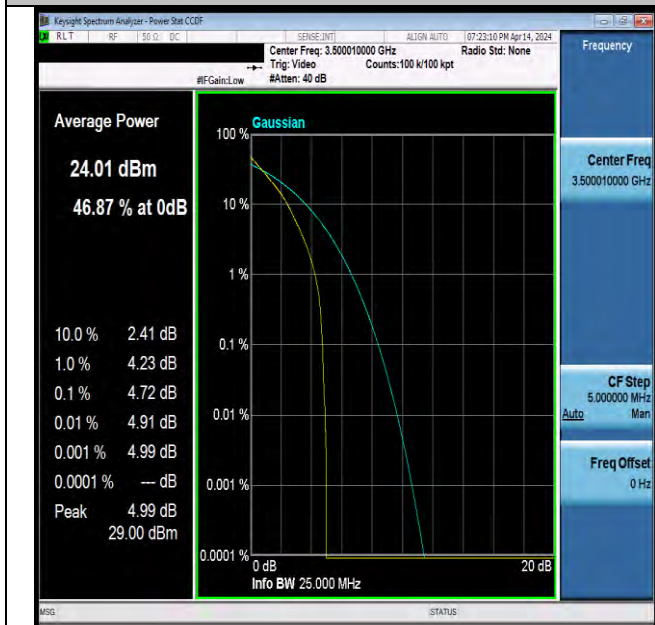
Test Graphs



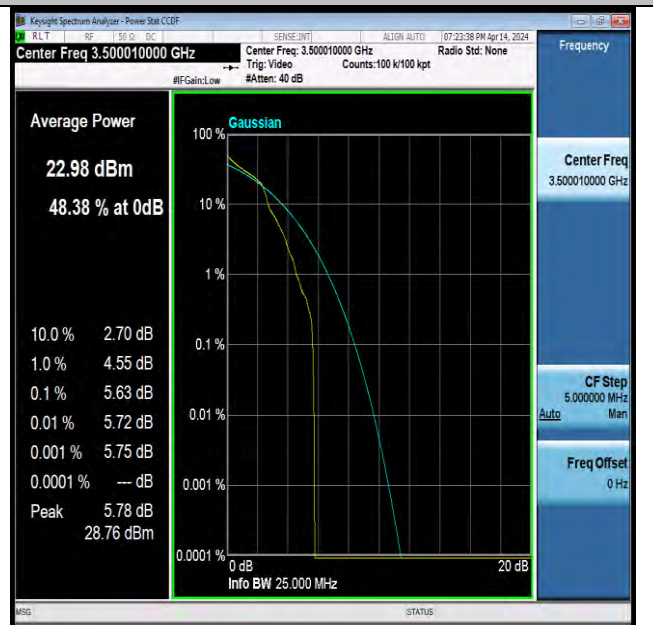
NTNV-N78-3450-3550-PC2-30-20-L-DFT-QPSK-Outer_Full-PASS



NTNV-N78-3450-3550-PC2-30-20-L-DFT-QPSK-Edge_1RB_Left-PASS



NTNV-N78-3450-3550-PC2-30-20-M-DFT-QPSK-Outer_Full-PASS



NTNV-N78-3450-3550-PC2-30-20-M-DFT-QPSK-Edge_1RB_Left-PASS

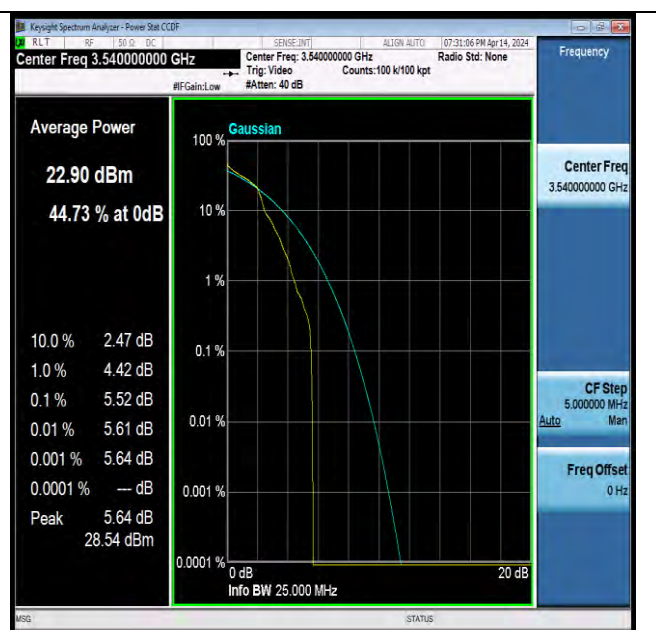


BUREAU
VERITAS

Test Report No.: PSU-QSU2312140113RF07



NTNV-N78-3450-3550-PC2-30-20-H-DFT-QPSK-Outer_Full-PASS



NTNV-N78-3450-3550-PC2-30-20-H-DFT-QPSK-Edge_1RB_Left-PASS



Test Report No.: PSU-QSU2312140113RF07

26DB BANDWIDTH AND OCCUPIED BANDWIDTH FOR SA

Test Result

Band	SCS	Bandwidth	Modulation	Channel	RB Config	Result (99%)	Result (26dB)	Verdict
N78-3450-3550	30	20	DFT-PI2BPSK	M	Outer_Full	17.806	18.87	PASS
N78-3450-3550	30	20	DFT-QPSK	M	Outer_Full	17.835	18.92	PASS
N78-3450-3550	30	20	DFT-16QAM	M	Outer_Full	17.853	18.79	PASS
N78-3450-3550	30	20	DFT-64QAM	M	Outer_Full	17.788	18.90	PASS
N78-3450-3550	30	20	DFT-256QAM	M	Outer_Full	17.790	18.89	PASS
N78-3450-3550	30	30	DFT-PI2BPSK	M	Outer_Full	26.768	28.09	PASS
N78-3450-3550	30	30	DFT-QPSK	M	Outer_Full	26.713	28.12	PASS
N78-3450-3550	30	30	DFT-16QAM	M	Outer_Full	26.740	28.13	PASS
N78-3450-3550	30	30	DFT-64QAM	M	Outer_Full	26.743	28.24	PASS
N78-3450-3550	30	30	DFT-256QAM	M	Outer_Full	26.764	28.05	PASS
N78-3450-3550	30	40	DFT-PI2BPSK	M	Outer_Full	35.748	37.44	PASS
N78-3450-3550	30	40	DFT-QPSK	M	Outer_Full	35.693	37.45	PASS
N78-3450-3550	30	40	DFT-16QAM	M	Outer_Full	35.820	37.53	PASS
N78-3450-3550	30	40	DFT-64QAM	M	Outer_Full	35.771	37.48	PASS
N78-3450-3550	30	40	DFT-256QAM	M	Outer_Full	35.770	37.64	PASS
N78-3450-3550	30	60	DFT-PI2BPSK	M	Outer_Full	57.722	59.94	PASS
N78-3450-3550	30	60	DFT-QPSK	M	Outer_Full	57.854	59.97	PASS
N78-3450-3550	30	60	DFT-16QAM	M	Outer_Full	57.721	59.76	PASS
N78-3450-3550	30	60	DFT-64QAM	M	Outer_Full	57.754	59.92	PASS
N78-3450-3550	30	60	DFT-256QAM	M	Outer_Full	57.740	60.00	PASS
N78-3450-3550	30	70	DFT-PI2BPSK	M	Outer_Full	64.186	66.59	PASS
N78-3450-3550	30	70	DFT-QPSK	M	Outer_Full	64.262	66.73	PASS

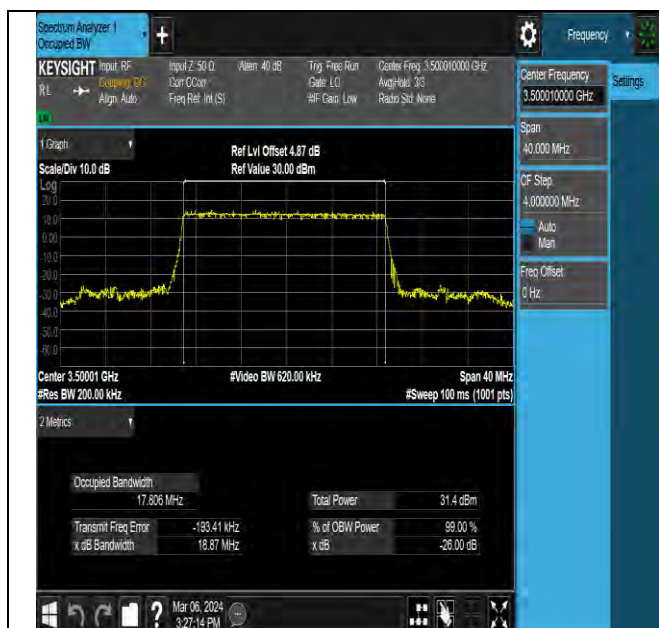


**BUREAU
VERITAS**

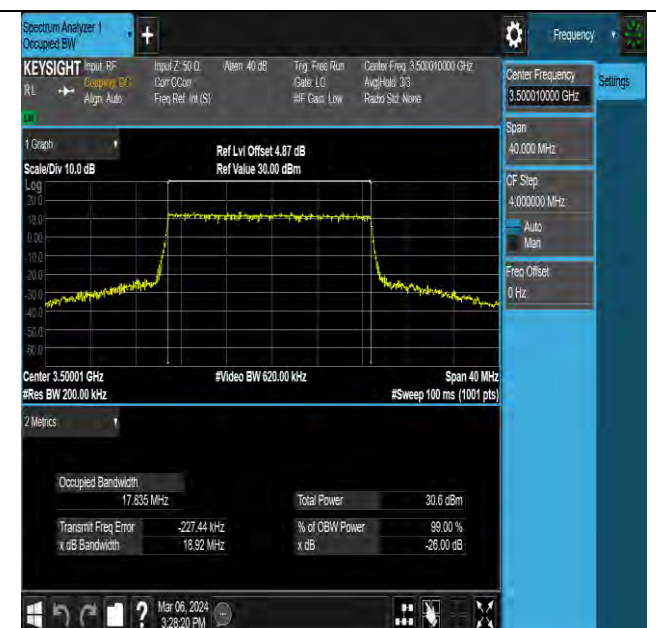
Test Report No.: PSU-QSU2312140113RF07

-3550								
N78-3450 -3550	30	70	DFT-16QAM	M	Outer_Full	64.188	66.65	PASS
N78-3450 -3550	30	70	DFT-64QAM	M	Outer_Full	64.175	66.62	PASS
N78-3450 -3550	30	70	DFT-256QAM	M	Outer_Full	64.160	66.70	PASS
N78-3450 -3550	30	80	DFT-PI2BPSK	M	Outer_Full	77.088	79.72	PASS
N78-3450 -3550	30	80	DFT-QPSK	M	Outer_Full	77.056	79.64	PASS
N78-3450 -3550	30	80	DFT-16QAM	M	Outer_Full	76.885	79.68	PASS
N78-3450 -3550	30	80	DFT-64QAM	M	Outer_Full	77.175	79.61	PASS
N78-3450 -3550	30	80	DFT-256QAM	M	Outer_Full	77.029	79.72	PASS
N78-3450 -3550	30	90	DFT-PI2BPSK	M	Outer_Full	86.744	89.59	PASS
N78-3450 -3550	30	90	DFT-QPSK	M	Outer_Full	86.639	89.58	PASS
N78-3450 -3550	30	90	DFT-16QAM	M	Outer_Full	86.856	89.64	PASS
N78-3450 -3550	30	90	DFT-64QAM	M	Outer_Full	86.474	89.49	PASS
N78-3450 -3550	30	90	DFT-256QAM	M	Outer_Full	86.601	89.52	PASS
N78-3450 -3550	30	100	DFT-PI2BPSK	M	Outer_Full	96.211	99.54	PASS
N78-3450 -3550	30	100	DFT-QPSK	M	Outer_Full	96.313	99.58	PASS
N78-3450 -3550	30	100	DFT-16QAM	M	Outer_Full	96.375	99.52	PASS
N78-3450 -3550	30	100	DFT-64QAM	M	Outer_Full	96.284	99.53	PASS
N78-3450 -3550	30	100	DFT-256QAM	M	Outer_Full	96.217	99.51	PASS

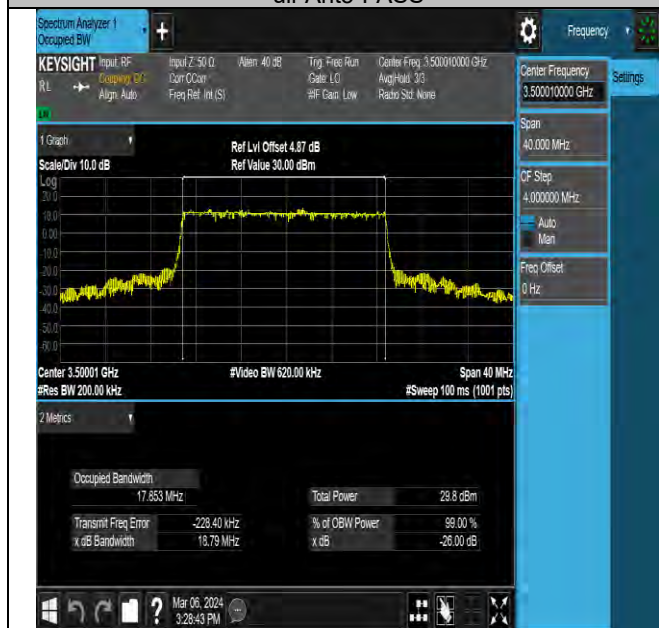
Test Graphs



NTNV-N78-3450-3550-PC2-30-20-M-DFT-PI2BPSK-Outter_Full-Ant5-PASS



NTNV-N78-3450-3550-PC2-30-20-M-DFT-QPSK-Outter_Full-Ant5-PASS



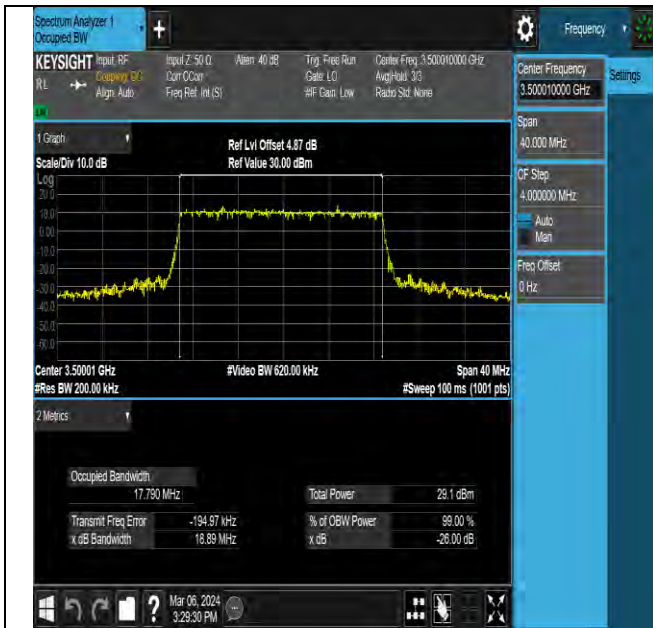
NTNV-N78-3450-3550-PC2-30-20-M-DFT-16QAM-Outter_Full-Ant5-PASS



NTNV-N78-3450-3550-PC2-30-20-M-DFT-64QAM-Outter_Full-Ant5-PASS



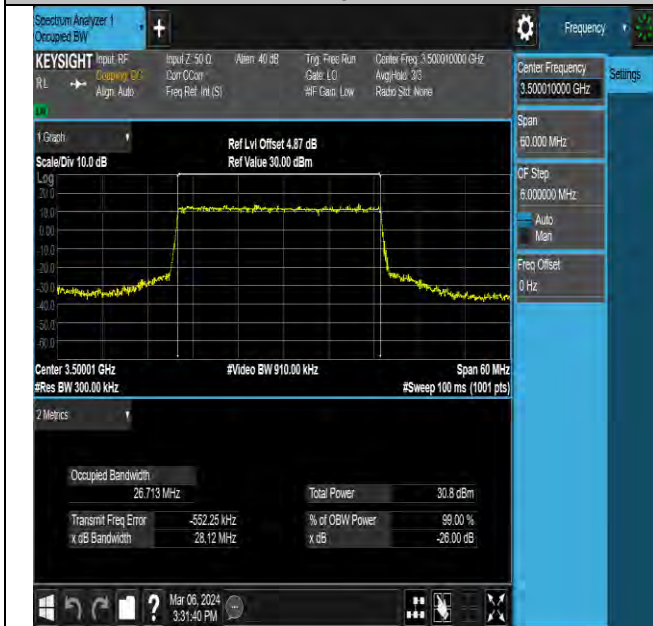
Test Report No.: PSU-QSU2312140113RF07



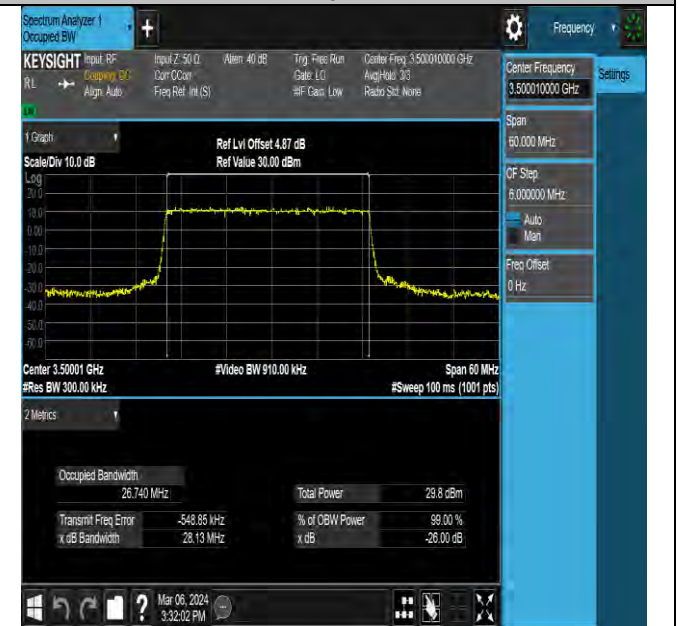
NTNV-N78-3450-3550-PC2-30-20-M-DFT-256QAM-Outter_F ull-Ant5-PASS



NTNV-N78-3450-3550-PC2-30-30-M-DFT-PI2BPSK-Outter_F ull-Ant5-PASS



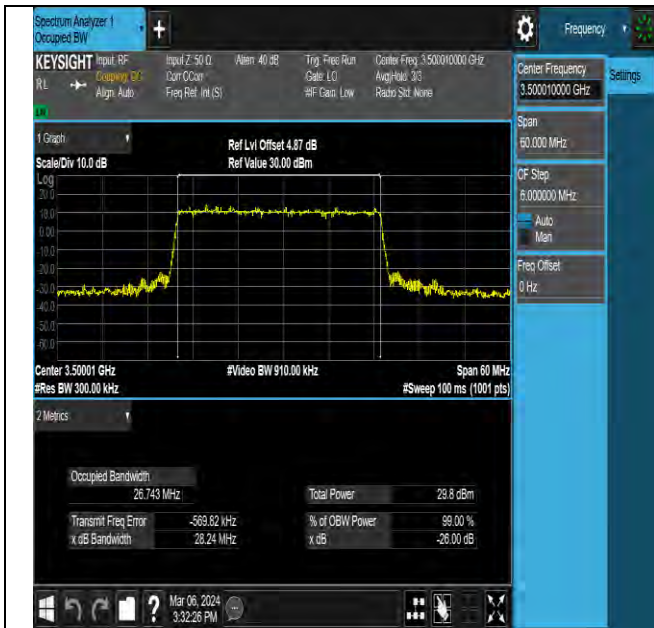
NTNV-N78-3450-3550-PC2-30-30-M-DFT-QPSK-Outter_F ull-Ant5-PASS



NTNV-N78-3450-3550-PC2-30-30-M-DFT-16QAM-Outter_F ull-Ant5-PASS



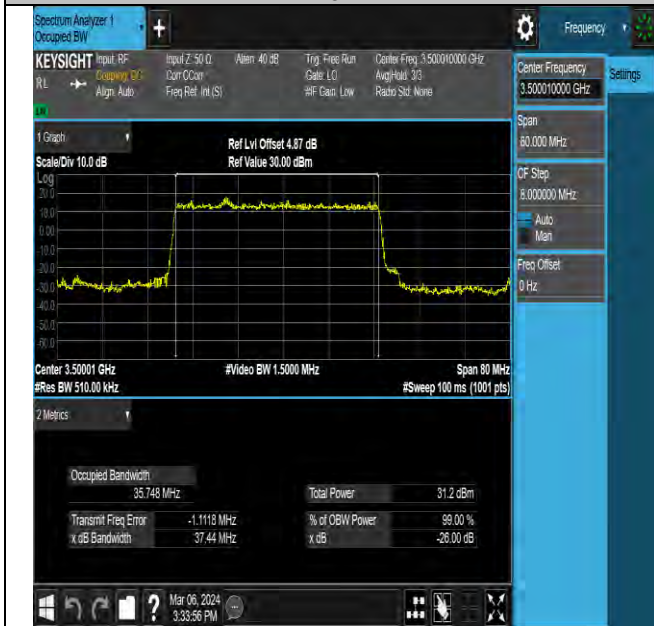
Test Report No.: PSU-QSU2312140113RF07



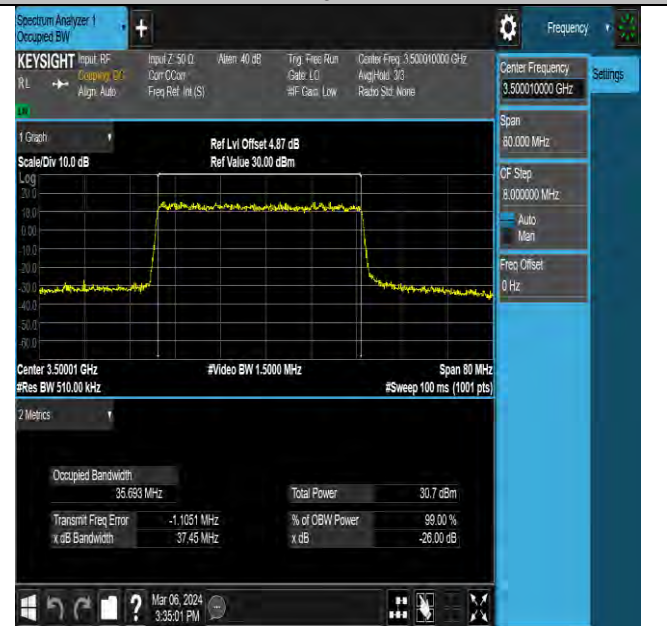
NTNV-N78-3450-3550-PC2-30-30-M-DFT-64QAM-Outer_Full-Ant5-PASS



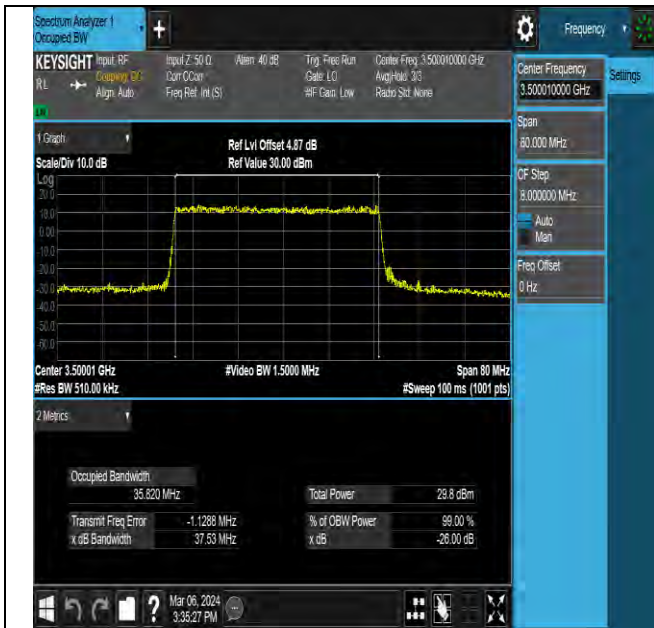
NTNV-N78-3450-3550-PC2-30-30-M-DFT-256QAM-Outer_Full-Ant5-PASS



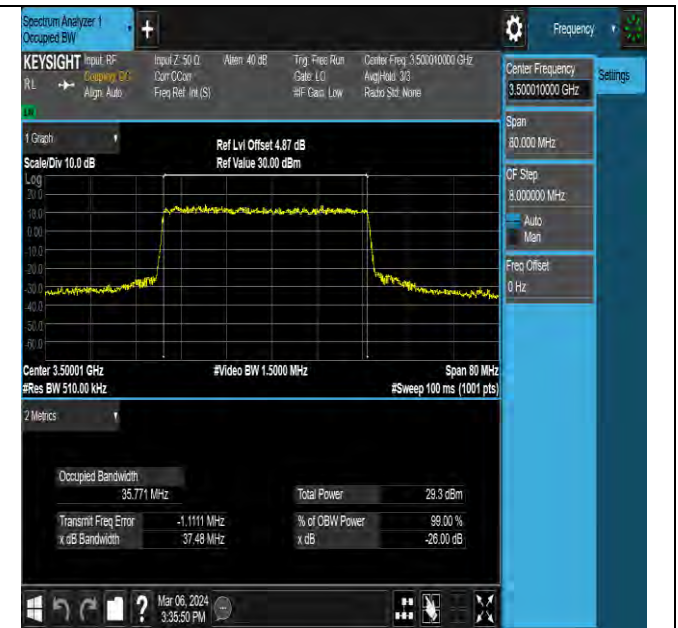
NTNV-N78-3450-3550-PC2-30-40-M-DFT-PI2BPSK-Outer_Full-Ant5-PASS



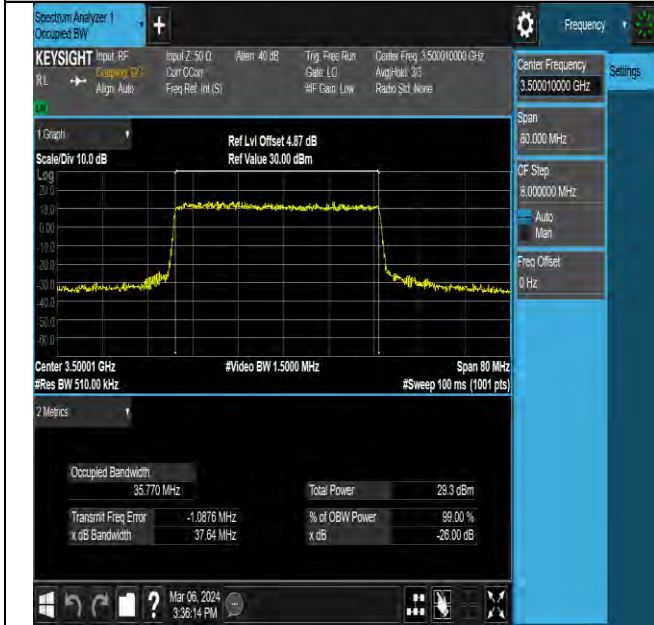
NTNV-N78-3450-3550-PC2-30-40-M-DFT-QPSK-Outer_Full-Ant5-PASS



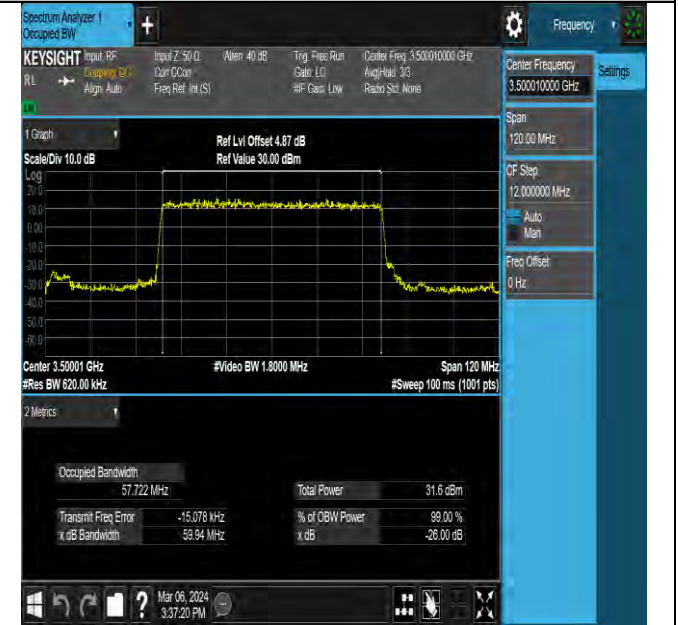
NTNV-N78-3450-3550-PC2-30-40-M-DFT-16QAM-Outer_Full-Ant5-PASS



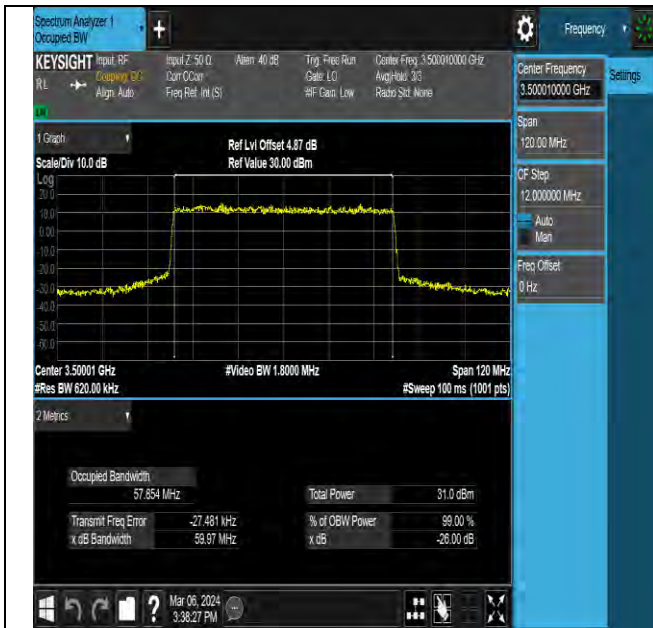
NTNV-N78-3450-3550-PC2-30-40-M-DFT-64QAM-Outer_Full-Ant5-PASS



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



NTNV-N78-3450-3550-PC2-30-60-M-DFT-PI2BPSK-Outer_Full-Ant5-PASS



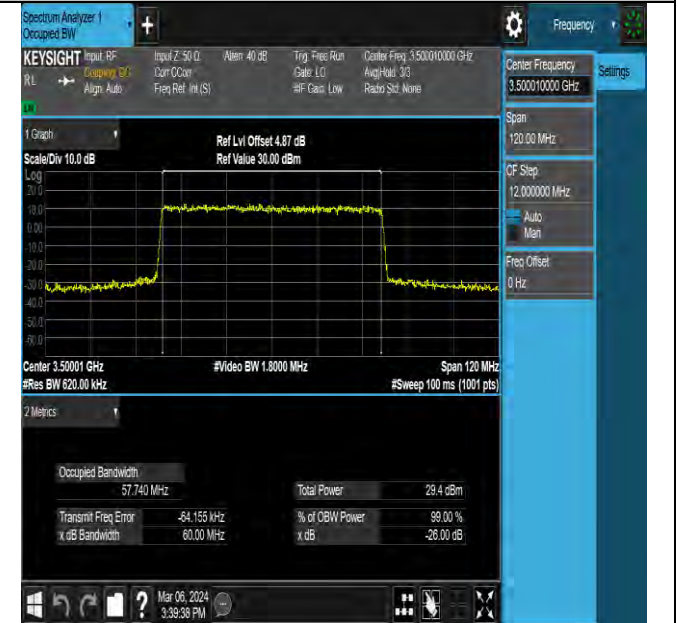
NTNV-N78-3450-3550-PC2-30-60-M-DFT-QPSK-Outter_Full-Ant5-PASS



NTNV-N78-3450-3550-PC2-30-60-M-DFT-16QAM-Outter_Full-Ant5-PASS



NTNV-N78-3450-3550-PC2-30-60-M-DFT-64QAM-Outter_Full-Ant5-PASS



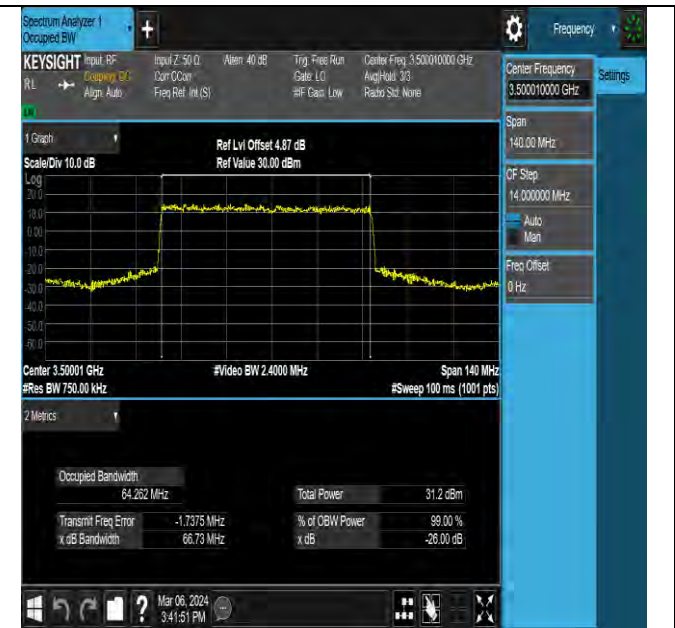
NTNV-N78-3450-3550-PC2-30-60-M-DFT-256QAM-Outter_Full-Ant5-PASS



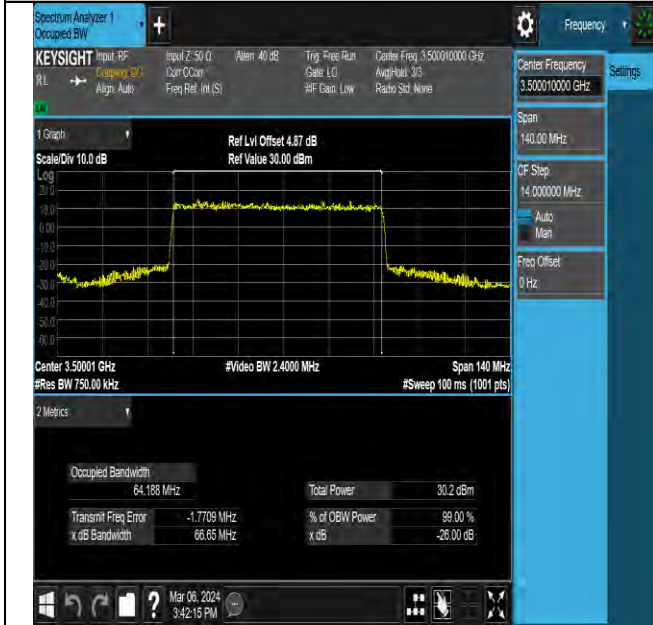
Test Report No.: PSU-QSU2312140113RF07



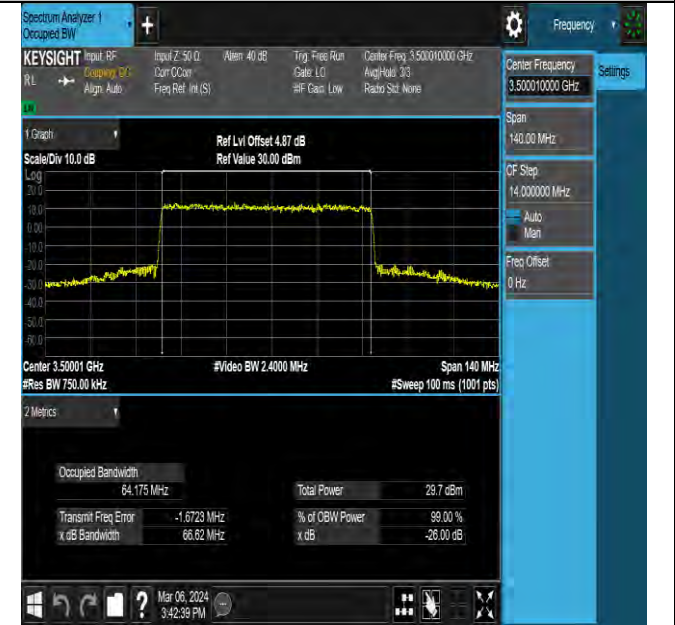
NTNV-N78-3450-3550-PC2-30-70-M-DFT-PI2BPSK-Outter_Full-Ant5-PASS



NTNV-N78-3450-3550-PC2-30-70-M-DFT-QPSK-Outter_Full-Ant5-PASS



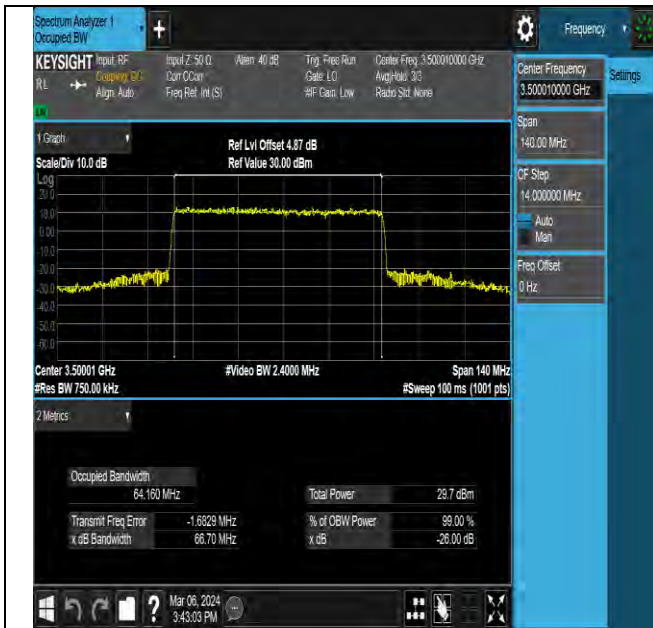
NTNV-N78-3450-3550-PC2-30-70-M-DFT-16QAM-Outter_Full-Ant5-PASS



NTNV-N78-3450-3550-PC2-30-70-M-DFT-64QAM-Outter_Full-Ant5-PASS



Test Report No.: PSU-QSU2312140113RF07



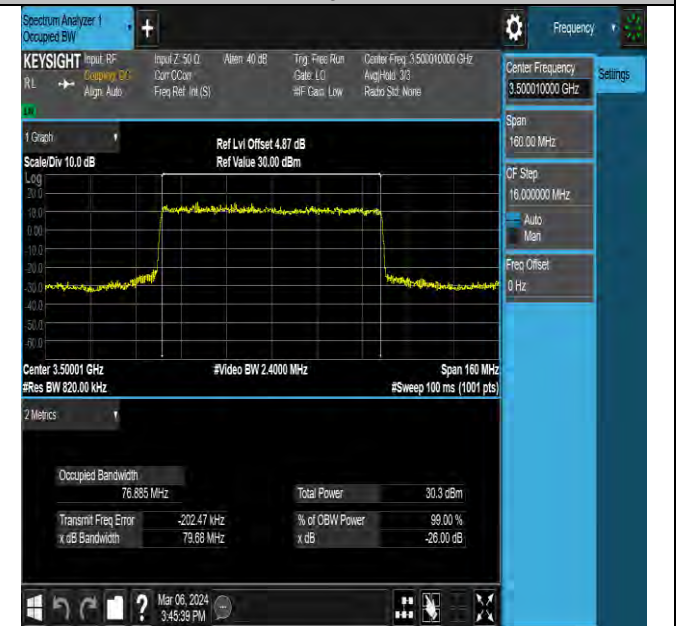
NTNV-N78-3450-3550-PC2-30-70-M-DFT-256QAM-Outter_F ull-Ant5-PASS



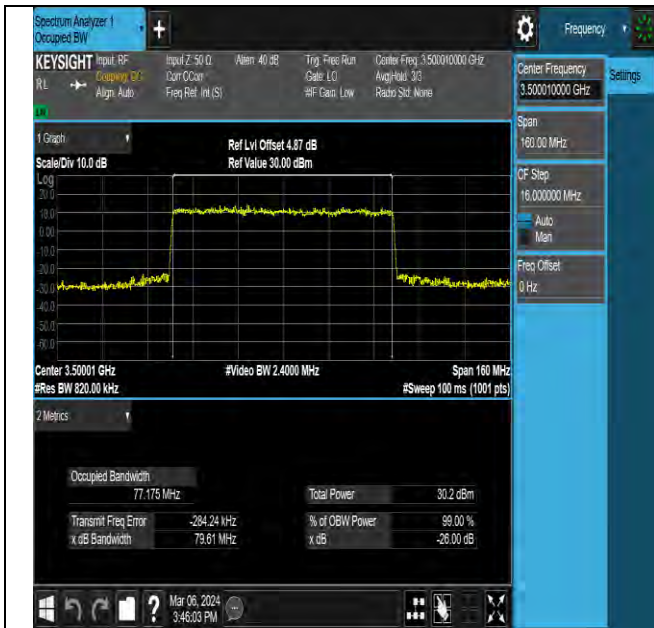
NTNV-N78-3450-3550-PC2-30-80-M-DFT-PI2BPSK-Outter_F ull-Ant5-PASS



NTNV-N78-3450-3550-PC2-30-80-M-DFT-QPSK-Outter_F ull-Ant5-PASS



NTNV-N78-3450-3550-PC2-30-80-M-DFT-16QAM-Outter_F ull-Ant5-PASS



NTNV-N78-3450-3550-PC2-30-80-M-DFT-64QAM-Outer_Full-Ant5-PASS



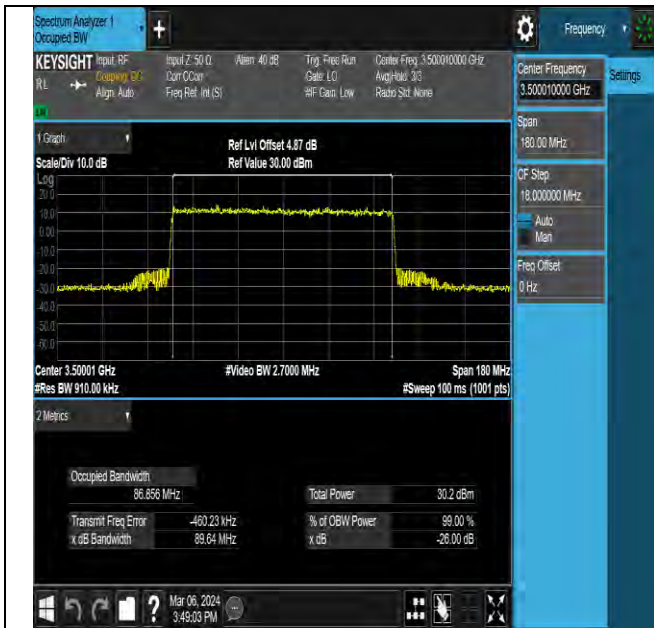
NTNV-N78-3450-3550-PC2-30-80-M-DFT-256QAM-Outer_Full-Ant5-PASS



NTNV-N78-3450-3550-PC2-30-90-M-DFT-PI2BPSK-Outer_Full-Ant5-PASS



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



NTNV-N78-3450-3550-PC2-30-90-M-DFT-16QAM-Outer_Ful
I-Ant5-PASS



NTNV-N78-3450-3550-PC2-30-90-M-DFT-64QAM-Outer_Ful
I-Ant5-PASS



NTNV-N78-3450-3550-PC2-30-90-M-DFT-256QAM-Outer_F
ull-Ant5-PASS



NTNV-N78-3450-3550-PC2-30-100-M-DFT-PI2BPSK-Outer_
Full-Ant5-PASS



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



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



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



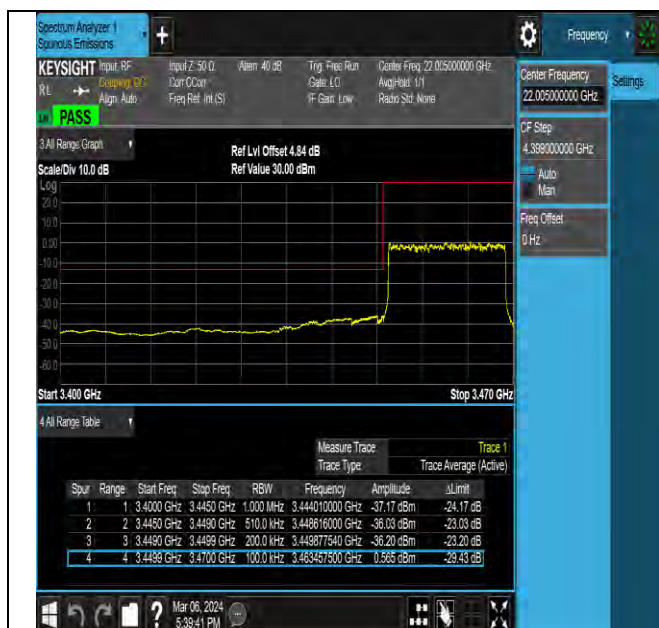
NTNV-N78-3450-3550-PC2-30-100-M-DFT-256QAM-Outter_Full-Ant5-PASS

BAND EDGE FOR SA

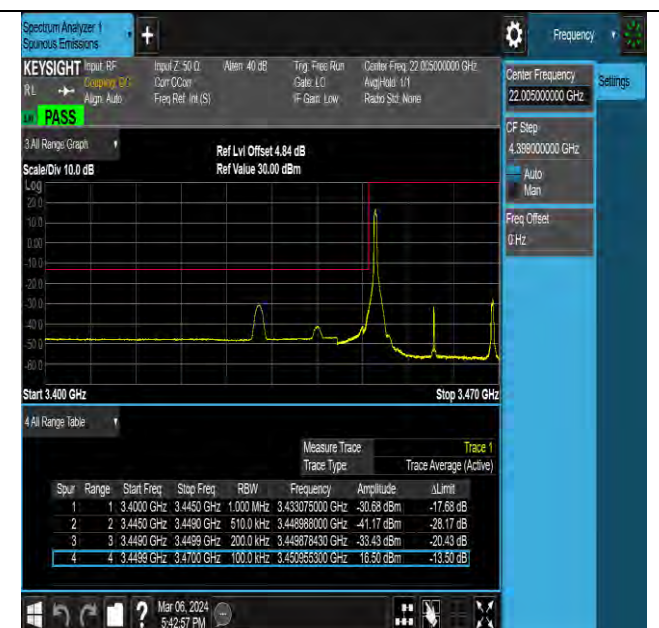
Test Result

Band	SCS	Bandwidth	Modulation	Channel	RB Config	Result	Verdict
N78-3450-3550	30	20	DFT-QPSK	L	Outer_Full	-36.03	PASS
N78-3450-3550	30	20	DFT-QPSK	L	Edge_1RB_Left	-30.68	PASS
N78-3450-3550	30	20	DFT-QPSK	H	Outer_Full	-34.29	PASS
N78-3450-3550	30	20	DFT-QPSK	H	Edge_1RB_Right	-34.10	PASS
N78-3450-3550	30	60	DFT-QPSK	L	Outer_Full	-39.24	PASS
N78-3450-3550	30	60	DFT-QPSK	L	Edge_1RB_Left	-33.11	PASS
N78-3450-3550	30	60	DFT-QPSK	H	Outer_Full	-36.77	PASS
N78-3450-3550	30	60	DFT-QPSK	H	Edge_1RB_Right	-34.40	PASS
N78-3450-3550	30	100	DFT-QPSK	M	Outer_Full	-37.12	PASS
N78-3450-3550	30	100	DFT-QPSK	M	Edge_1RB_Left	-33.20	PASS
N78-3450-3550	30	100	DFT-QPSK	M	Edge_1RB_Right	-34.75	PASS

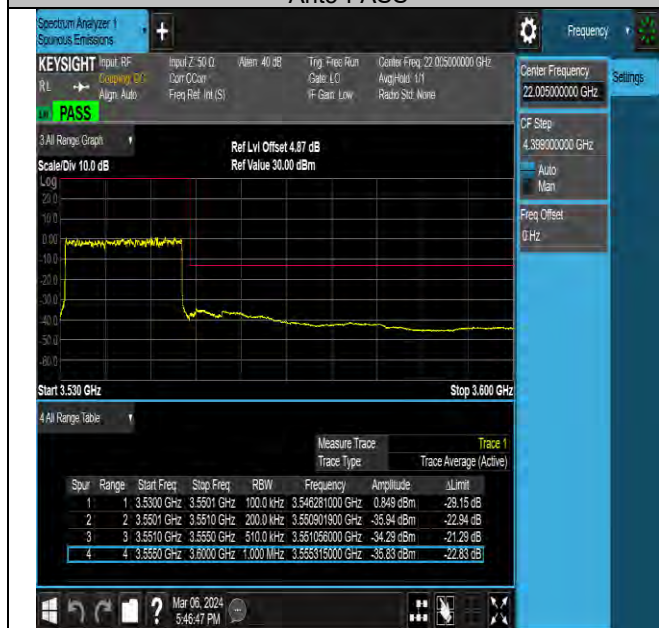
Test Graphs



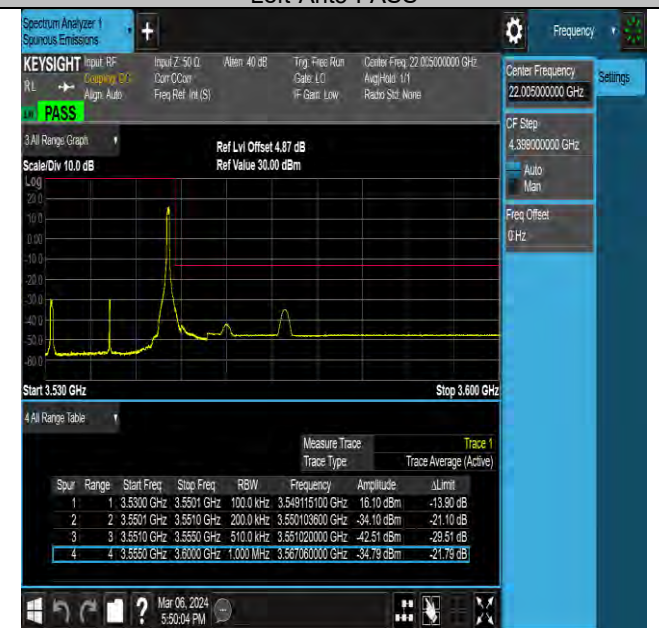
NTNV-N78-3450-3550-PC2-30-20-L-DFT-QPSK-Outer_Full-Ant5-PASS



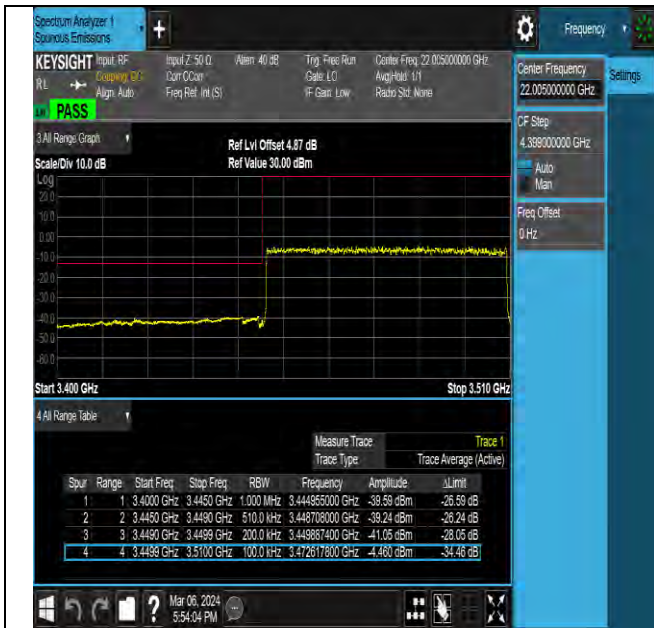
NTNV-N78-3450-3550-PC2-30-20-L-DFT-QPSK-Edge_1RB_Left-Ant5-PASS



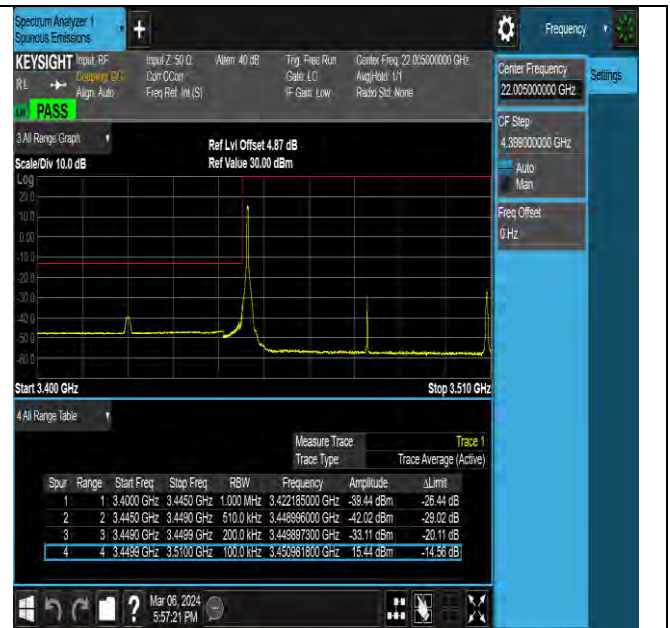
NTNV-N78-3450-3550-PC2-30-20-H-DFT-QPSK-Outer_Full-Ant5-PASS



NTNV-N78-3450-3550-PC2-30-20-H-DFT-QPSK-Edge_1RB_Right-Ant5-PASS



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



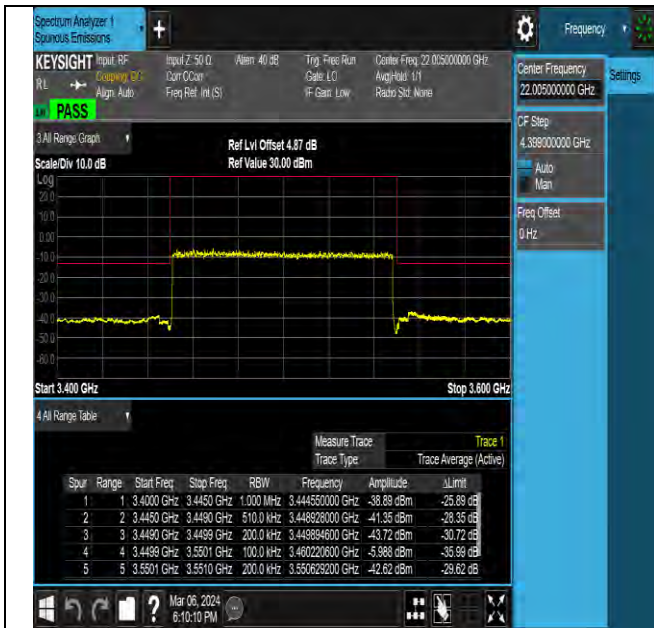
NTNV-N78-3450-3550-PC2-30-60-L-DFT-QPSK-Edge_1RB_Left-Ant5-PASS



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



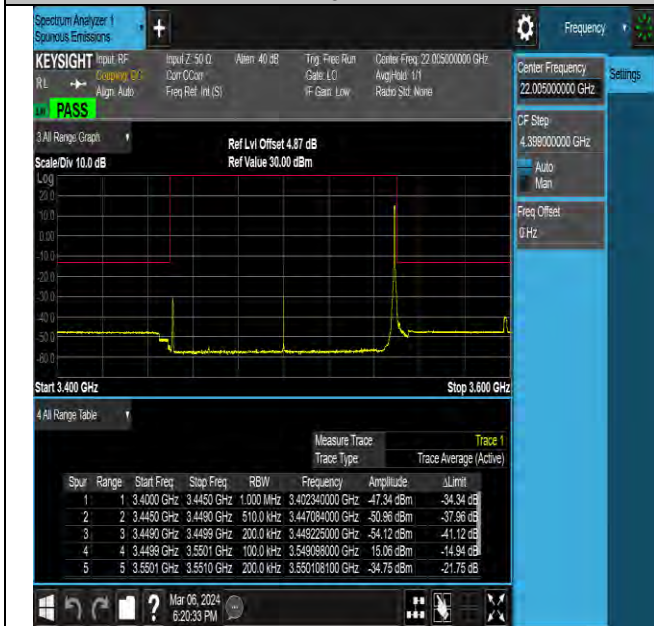
NTNV-N78-3450-3550-PC2-30-60-H-DFT-QPSK-Edge_1RB_Right-Ant5-PASS



NTNV-N78-3450-3550-PC2-30-100-M-DFT-QPSK-Outer_Ful I-Ant5-PASS



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_Right-Ant5-PASS



Test Report No.: PSU-QSU2312140113RF07

CONDUCTED SPURIOUS EMISSION FOR SA

Test Result

Band	SCS	Bandwidth	Modulation	Channel	RB Config	StartFreq	StopFreq	Result	Limit	Verdict
N78-3 450-35 50	30	20	DFT-QPSK	L	Edge_1RB_Left	30	1000	-48.05	-13	PASS
N78-3 450-35 50	30	20	DFT-QPSK	L	Edge_1RB_Left	1000	40000	-24.06	-13	PASS
N78-3 450-35 50	30	20	DFT-QPSK	M	Edge_1RB_Left	30	1000	-48.37	-13	PASS
N78-3 450-35 50	30	20	DFT-QPSK	M	Edge_1RB_Left	1000	40000	-23.94	-13	PASS
N78-3 450-35 50	30	20	DFT-QPSK	H	Edge_1RB_Left	30	1000	-48.42	-13	PASS
N78-3 450-35 50	30	20	DFT-QPSK	H	Edge_1RB_Left	1000	40000	-23.87	-13	PASS
N78-3 450-35 50	30	60	DFT-QPSK	L	Edge_1RB_Left	30	1000	-48.40	-13	PASS
N78-3 450-35 50	30	60	DFT-QPSK	L	Edge_1RB_Left	1000	40000	-21.40	-13	PASS
N78-3 450-35 50	30	60	DFT-QPSK	M	Edge_1RB_Left	30	1000	-48.32	-13	PASS
N78-3 450-35 50	30	60	DFT-QPSK	M	Edge_1RB_Left	1000	40000	-23.62	-13	PASS
N78-3 450-35 50	30	60	DFT-QPSK	H	Edge_1RB_Left	30	1000	-48.35	-13	PASS
N78-3 450-35 50	30	60	DFT-QPSK	H	Edge_1RB_Left	1000	40000	-24.18	-13	PASS
N78-3 450-35 50	30	100	DFT-QPSK	M	Edge_1RB_Left	30	1000	-48.12	-13	PASS
N78-3 450-35 50	30	100	DFT-QPSK	M	Edge_1RB_Left	1000	40000	-20.74	-13	PASS