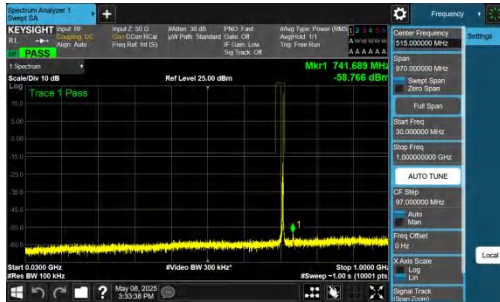




NTNV-n12-PC3-15-5-H-DFT-BPSK-Inner_1RB_Right-30-1000-P
ASS



NTNV-n12-PC3-15-5-H-DFT-BPSK-Inner_1RB_Right-1000-3000-P
PASS



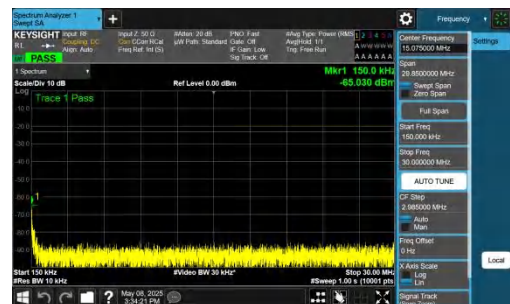
NTNV-n12-PC3-15-5-H-DFT-BPSK-Inner_1RB_Right-3000-1200
0-PASS



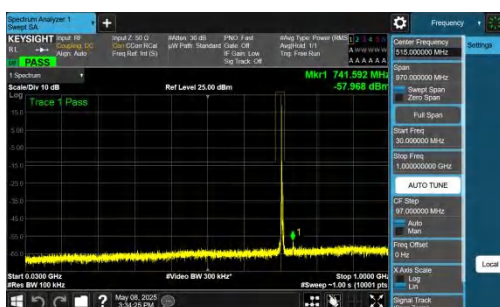
NTNV-n12-PC3-15-5-H-DFT-BPSK-Inner_1RB_Right-12000-2000
0-PASS



NTNV-n12-PC3-15-5-H-DFT-QPSK-Inner_1RB_Left-0.009-0.15-P
ASS



NTNV-n12-PC3-15-5-H-DFT-QPSK-Inner_1RB_Left-0.15-30-PAS
S



NTNV-n12-PC3-15-5-H-DFT-QPSK-Inner_1RB_Left-30-1000-P
ASS



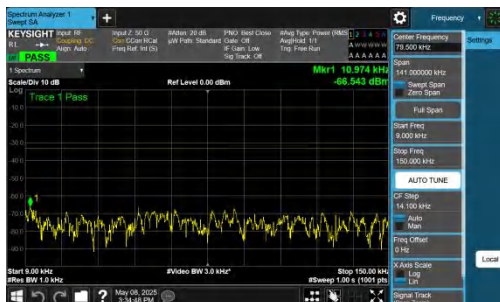
NTNV-n12-PC3-15-5-H-DFT-QPSK-Inner_1RB_Left-1000-3000-P
ASS



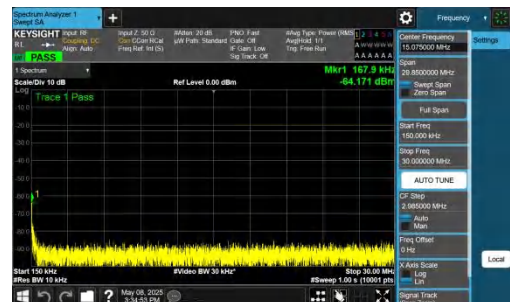
NTNV-n12-PC3-15-5-H-DFT-QPSK-Inner_1RB_Left-3000-12000-PASS



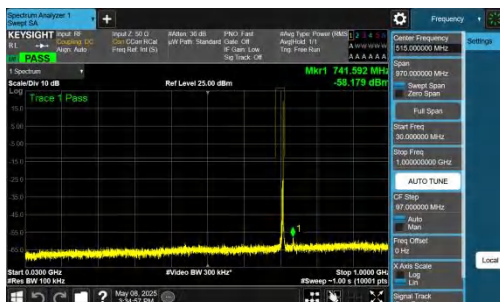
NTNV-n12-PC3-15-5-H-DFT-QPSK-Inner_1RB_Left-12000-20000-PASS



NTNV-n12-PC3-15-5-H-DFT-QPSK-Inner_1RB_Right-0.009-0.15-PASS



NTNV-n12-PC3-15-5-H-DFT-QPSK-Inner_1RB_Right-0.15-30-PA-SS



NTNV-n12-PC3-15-5-H-DFT-QPSK-Inner_1RB_Right-30-1000-PASS



NTNV-n12-PC3-15-5-H-DFT-QPSK-Inner_1RB_Right-1000-3000-PASS



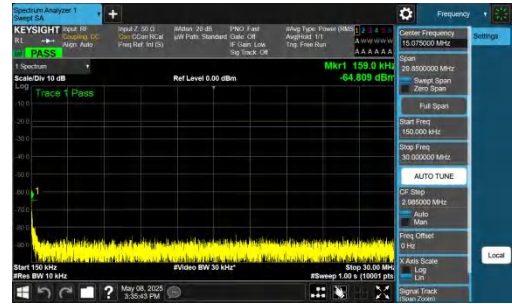
NTNV-n12-PC3-15-5-H-DFT-QPSK-Inner_1RB_Right-3000-12000-PASS



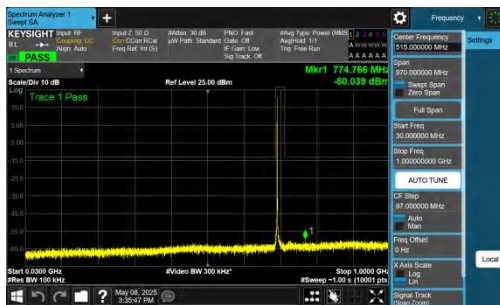
NTNV-n12-PC3-15-5-H-DFT-QPSK-Inner_1RB_Right-12000-20000-PASS



NTNV-n12-PC3-15-10-L-DFT-BPSK-Inner_1RB_Left-0.009-0.15-PASS



NTNV-n12-PC3-15-10-L-DFT-BPSK-Inner_1RB_Left-0.15-30-PAS



NTNV-n12-PC3-15-10-L-DFT-BPSK-Inner_1RB_Left-30-1000-PA



NTNV-n12-PC3-15-10-L-DFT-BPSK-Inner_1RB_Left-1000-3000-P



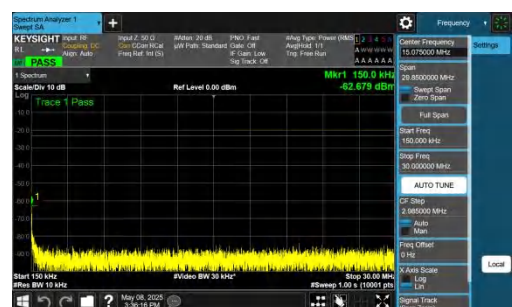
NTNV-n12-PC3-15-10-L-DFT-BPSK-Inner_1RB_Left-3000-12000



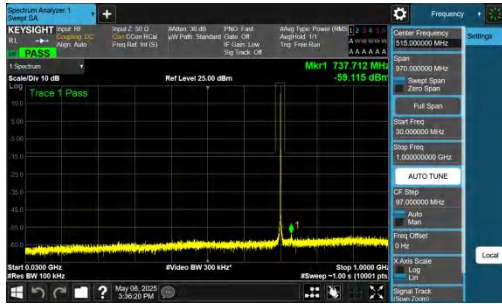
NTNV-n12-PC3-15-10-L-DFT-BPSK-Inner_1RB_Left-12000-20000



NTNV-n12-PC3-15-10-L-DFT-BPSK-Inner_1RB_Right-0.009-0.15



NTNV-n12-PC3-15-10-L-DFT-BPSK-Inner_1RB_Right-0.15-30-PA



NTNV-n12-PC3-15-10-L-DFT-BPSK-Inner_1RB_Right-30-1000-P
ASS



NTNV-n12-PC3-15-10-L-DFT-BPSK-Inner_1RB_Right-1000-3000-P
PASS



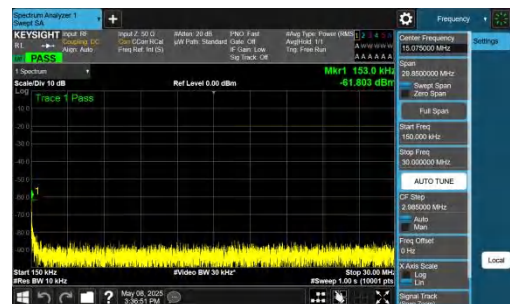
NTNV-n12-PC3-15-10-L-DFT-BPSK-Inner_1RB_Right-3000-1200
0-PASS



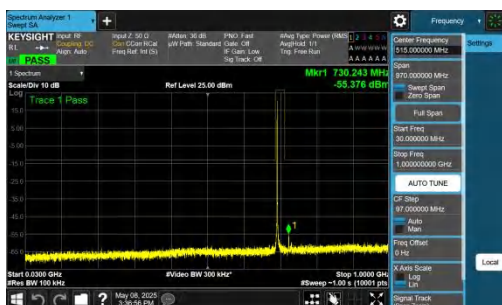
NTNV-n12-PC3-15-10-L-DFT-BPSK-Inner_1RB_Right-12000-200
00-PASS



NTNV-n12-PC3-15-10-L-DFT-QPSK-Inner_1RB_Left-0.009-0.15-P
PASS



NTNV-n12-PC3-15-10-L-DFT-QPSK-Inner_1RB_Left-0.15-30-PAS
S



NTNV-n12-PC3-15-10-L-DFT-QPSK-Inner_1RB_Left-30-1000-P
ASS



NTNV-n12-PC3-15-10-L-DFT-QPSK-Inner_1RB_Left-1000-3000-P
ASS



NTNV-n12-PC3-15-10-L-DFT-QPSK-Inner_1RB_Left-3000-12000
-PASS



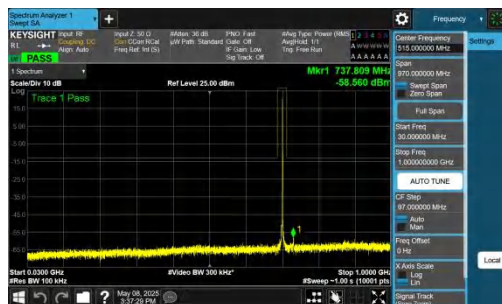
NTNV-n12-PC3-15-10-L-DFT-QPSK-Inner_1RB_Left-12000-2000
0-PASS



NTNV-n12-PC3-15-10-L-DFT-QPSK-Inner_1RB_Right-0.009-0.1
5-PASS



NTNV-n12-PC3-15-10-L-DFT-QPSK-Inner_1RB_Right-0.15-30-PA
SS



NTNV-n12-PC3-15-10-L-DFT-QPSK-Inner_1RB_Right-30-1000-P
ASS



NTNV-n12-PC3-15-10-L-DFT-QPSK-Inner_1RB_Right-1000-3000-
PASS



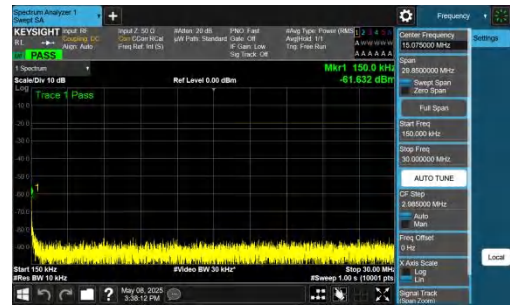
NTNV-n12-PC3-15-10-L-DFT-QPSK-Inner_1RB_Right-3000-12000
00-PASS



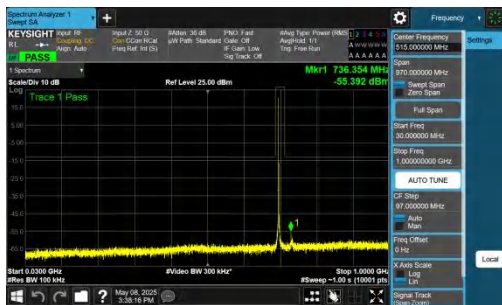
NTNV-n12-PC3-15-10-L-DFT-QPSK-Inner_1RB_Right-12000-2000
00-PASS



NTNV-n12-PC3-15-10-M-DFT-BPSK-Inner_1RB_Left-0.009-0.15-PASS



NTNV-n12-PC3-15-10-M-DFT-BPSK-Inner_1RB_Left-0.15-30-PASS



NTNV-n12-PC3-15-10-M-DFT-BPSK-Inner_1RB_Left-30-1000-PASS



NTNV-n12-PC3-15-10-M-DFT-BPSK-Inner_1RB_Left-1000-3000-PASS



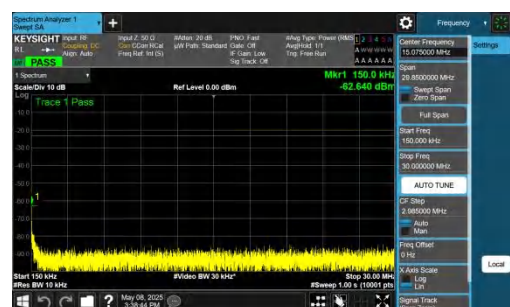
NTNV-n12-PC3-15-10-M-DFT-BPSK-Inner_1RB_Left-3000-12000-PASS



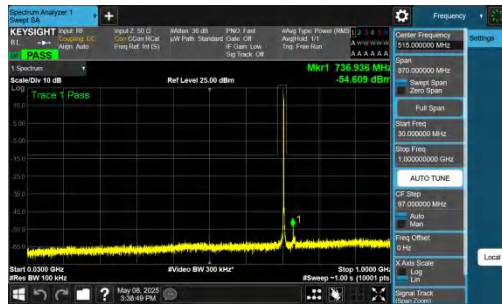
NTNV-n12-PC3-15-10-M-DFT-BPSK-Inner_1RB_Left-12000-20000-PASS



NTNV-n12-PC3-15-10-M-DFT-BPSK-Inner_1RB_Right-0.009-0.15-PASS



NTNV-n12-PC3-15-10-M-DFT-BPSK-Inner_1RB_Right-0.15-30-PASS



NTNV-n12-PC3-15-10-M-DFT-BPSK-Inner_1RB_Right-30-1000-PASS



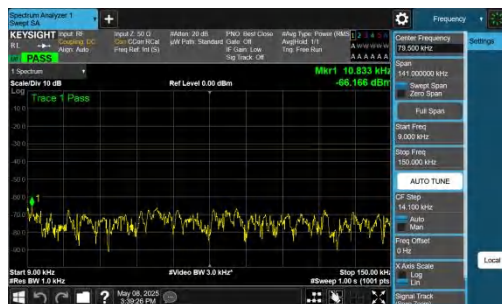
NTNV-n12-PC3-15-10-M-DFT-BPSK-Inner_1RB_Right-1000-3000-PASS



NTNV-n12-PC3-15-10-M-DFT-BPSK-Inner_1RB_Right-3000-12000-PASS



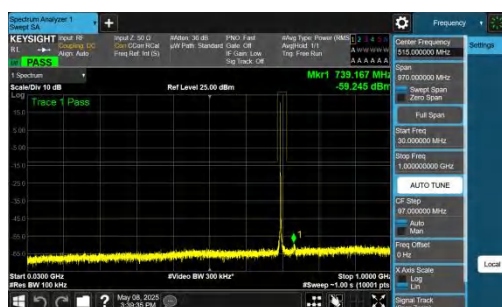
NTNV-n12-PC3-15-10-M-DFT-BPSK-Inner_1RB_Right-12000-20000-PASS



NTNV-n12-PC3-15-10-M-DFT-QPSK-Inner_1RB_Left-0.009-0.15-PASS



NTNV-n12-PC3-15-10-M-DFT-QPSK-Inner_1RB_Left-0.15-30-PASS



NTNV-n12-PC3-15-10-M-DFT-QPSK-Inner_1RB_Left-30-1000-PASS



NTNV-n12-PC3-15-10-M-DFT-QPSK-Inner_1RB_Left-1000-3000-PASS



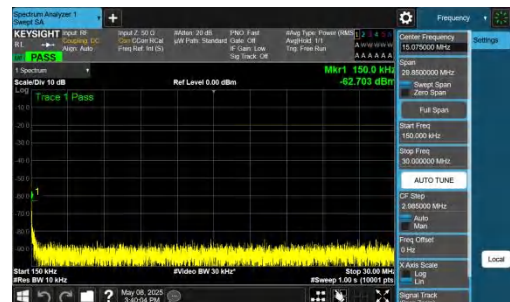
NTNV-n12-PC3-15-10-M-DFT-QPSK-Inner_1RB_Left-3000-1200
0-PASS



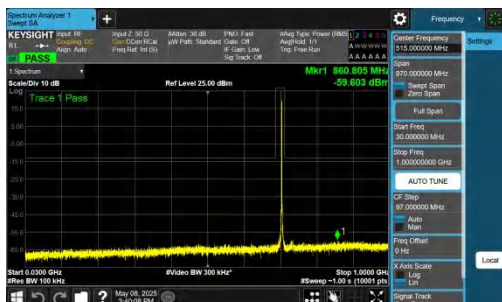
NTNV-n12-PC3-15-10-M-DFT-QPSK-Inner_1RB_Left-12000-2000
0-PASS



NTNV-n12-PC3-15-10-M-DFT-QPSK-Inner_1RB_Right-0.009-0.1
5-PASS



NTNV-n12-PC3-15-10-M-DFT-QPSK-Inner_1RB_Right-0.15-30-P
ASS



NTNV-n12-PC3-15-10-M-DFT-QPSK-Inner_1RB_Right-30-1000-
PASS



NTNV-n12-PC3-15-10-M-DFT-QPSK-Inner_1RB_Right-1000-3000-
-PASS



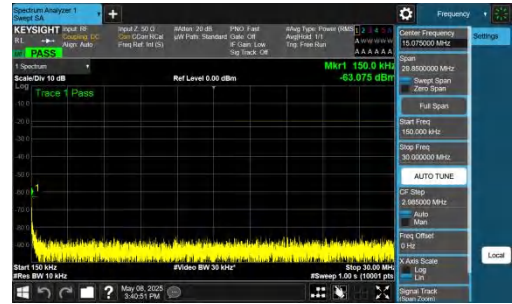
NTNV-n12-PC3-15-10-M-DFT-QPSK-Inner_1RB_Right-3000-12000-
00-PASS



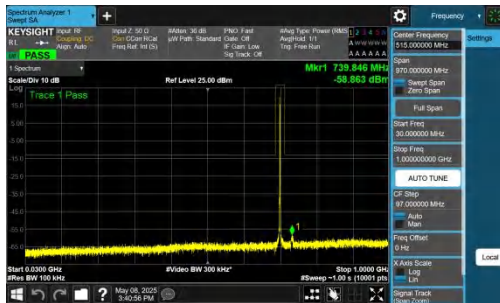
NTNV-n12-PC3-15-10-M-DFT-QPSK-Inner_1RB_Right-12000-20000-
00-PASS



NTNV-n12-PC3-15-10-H-DFT-BPSK-Inner_1RB_Left-0.009-0.15-PASS



NTNV-n12-PC3-15-10-H-DFT-BPSK-Inner_1RB_Left-0.15-30-PASS



NTNV-n12-PC3-15-10-H-DFT-BPSK-Inner_1RB_Left-30-1000-PASS



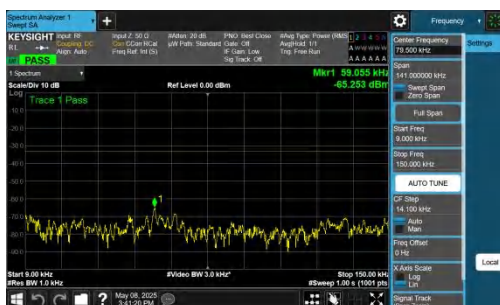
NTNV-n12-PC3-15-10-H-DFT-BPSK-Inner_1RB_Left-1000-3000-PASS



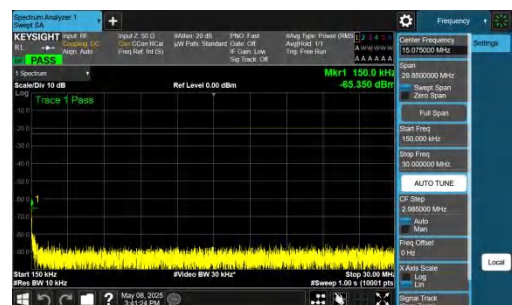
NTNV-n12-PC3-15-10-H-DFT-BPSK-Inner_1RB_Left-3000-12000-PASS



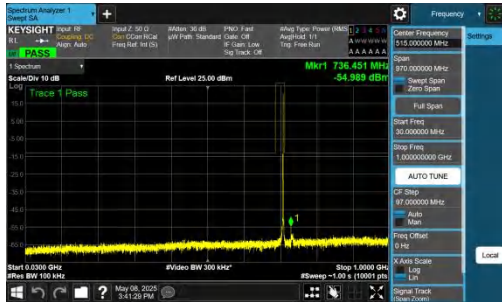
NTNV-n12-PC3-15-10-H-DFT-BPSK-Inner_1RB_Left-12000-20000-PASS



NTNV-n12-PC3-15-10-H-DFT-BPSK-Inner_1RB_Right-0.009-0.15-PASS



NTNV-n12-PC3-15-10-H-DFT-BPSK-Inner_1RB_Right-0.15-30-PASS



NTNV-n12-PC3-15-10-H-DFT-BPSK-Inner_1RB_Right-30-1000-PASS



NTNV-n12-PC3-15-10-H-DFT-BPSK-Inner_1RB_Right-1000-3000-PASS



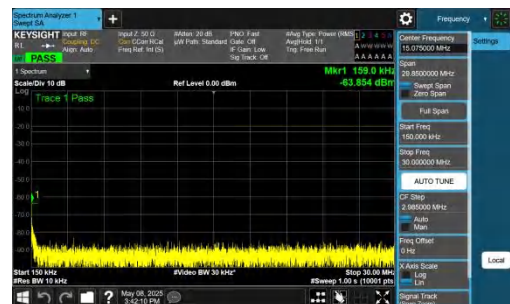
NTNV-n12-PC3-15-10-H-DFT-BPSK-Inner_1RB_Right-3000-12000-PASS



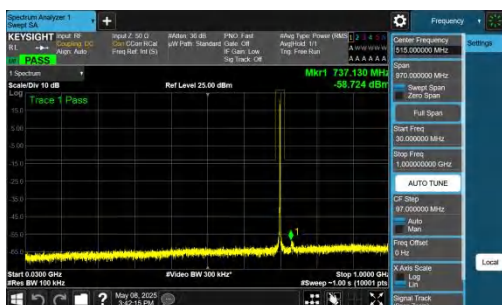
NTNV-n12-PC3-15-10-H-DFT-BPSK-Inner_1RB_Right-12000-20000-PASS



NTNV-n12-PC3-15-10-H-DFT-QPSK-Inner_1RB_Left-0.009-0.15-PASS



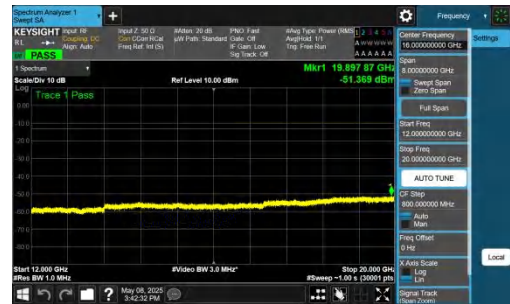
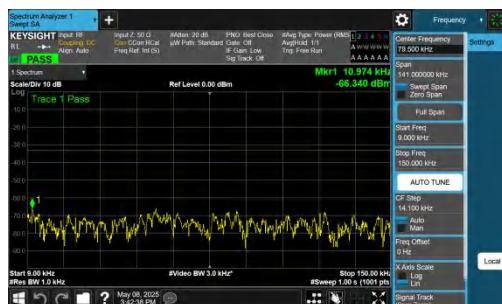
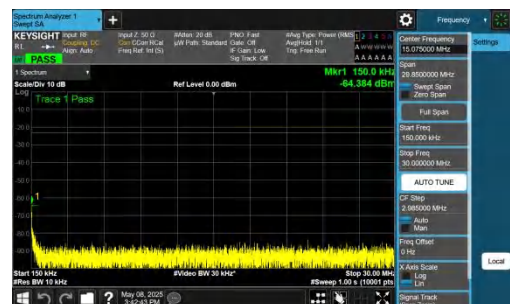
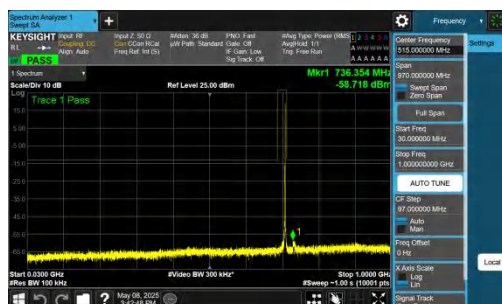
NTNV-n12-PC3-15-10-H-DFT-QPSK-Inner_1RB_Left-0.15-30-PASS



NTNV-n12-PC3-15-10-H-DFT-QPSK-Inner_1RB_Left-30-1000-PASS



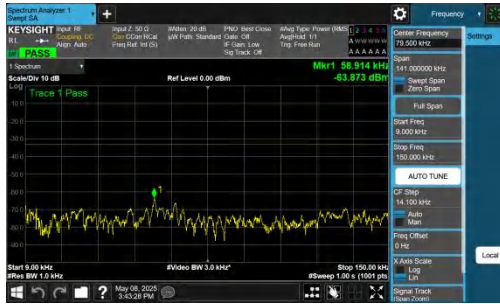
NTNV-n12-PC3-15-10-H-DFT-QPSK-Inner_1RB_Left-1000-3000-PASS


NTNV-n12-PC3-15-10-H-DFT-QPSK-Inner_1RB_Left-3000-1200
0-PASS

NTNV-n12-PC3-15-10-H-DFT-QPSK-Inner_1RB_Left-12000-2000
0-PASS

NTNV-n12-PC3-15-10-H-DFT-QPSK-Inner_1RB_Right-0.009-0.1
5-PASS

NTNV-n12-PC3-15-10-H-DFT-QPSK-Inner_1RB_Right-0.15-30-PA
SS

NTNV-n12-PC3-15-10-H-DFT-QPSK-Inner_1RB_Right-30-1000-
PASS

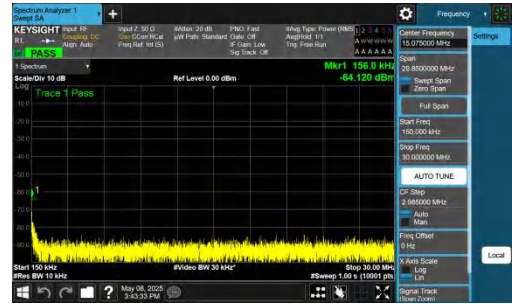
NTNV-n12-PC3-15-10-H-DFT-QPSK-Inner_1RB_Right-1000-3000
-PASS

NTNV-n12-PC3-15-10-H-DFT-QPSK-Inner_1RB_Right-3000-120
00-PASS

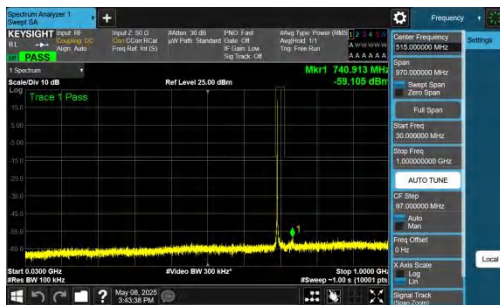
NTNV-n12-PC3-15-10-H-DFT-QPSK-Inner_1RB_Right-12000-200
00-PASS



NTNV-n12-PC3-15-15-L-DFT-BPSK-Inner_1RB_Left-0.009-0.15-PASS



NTNV-n12-PC3-15-15-L-DFT-BPSK-Inner_1RB_Left-0.15-30-PASS



NTNV-n12-PC3-15-15-L-DFT-BPSK-Inner_1RB_Left-30-1000-PASS



NTNV-n12-PC3-15-15-L-DFT-BPSK-Inner_1RB_Left-1000-3000-PASS



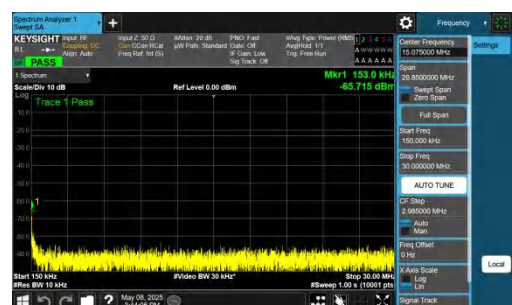
NTNV-n12-PC3-15-15-L-DFT-BPSK-Inner_1RB_Left-3000-12000-PASS



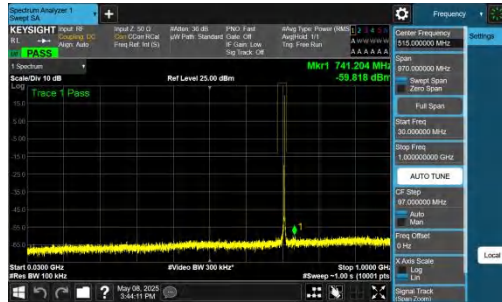
NTNV-n12-PC3-15-15-L-DFT-BPSK-Inner_1RB_Left-12000-20000-PASS



NTNV-n12-PC3-15-15-L-DFT-BPSK-Inner_1RB_Right-0.009-0.15-PASS



NTNV-n12-PC3-15-15-L-DFT-BPSK-Inner_1RB_Right-0.15-30-PASS



NTNV-n12-PC3-15-15-L-DFT-BPSK-Inner_1RB_Right-30-1000-PASS



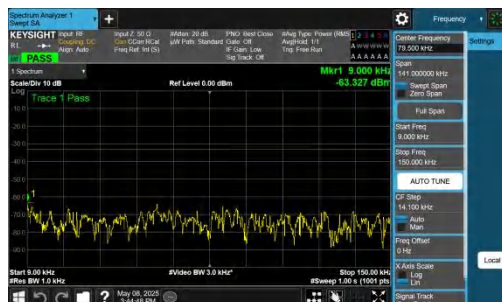
NTNV-n12-PC3-15-15-L-DFT-BPSK-Inner_1RB_Right-1000-3000-PASS



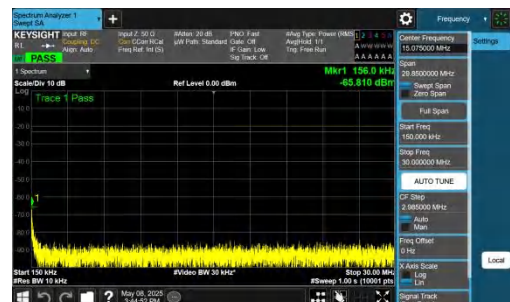
NTNV-n12-PC3-15-15-L-DFT-BPSK-Inner_1RB_Right-3000-12000-PASS



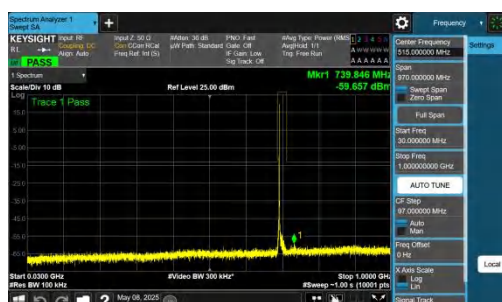
NTNV-n12-PC3-15-15-L-DFT-BPSK-Inner_1RB_Right-12000-20000-PASS



NTNV-n12-PC3-15-15-L-DFT-QPSK-Inner_1RB_Left-0.009-0.15-PASS



NTNV-n12-PC3-15-15-L-DFT-QPSK-Inner_1RB_Left-0.15-30-PASS



NTNV-n12-PC3-15-15-L-DFT-QPSK-Inner_1RB_Left-30-1000-PASS



NTNV-n12-PC3-15-15-L-DFT-QPSK-Inner_1RB_Left-1000-3000-PASS



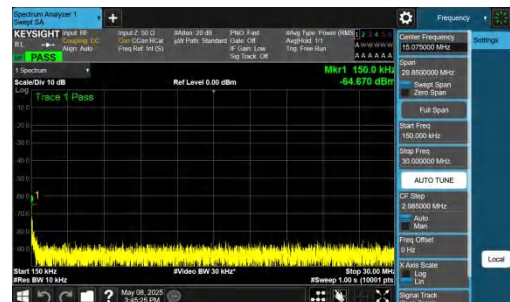
NTNV-n12-PC3-15-15-L-DFT-QPSK-Inner_1RB_Left-3000-12000
-PASS



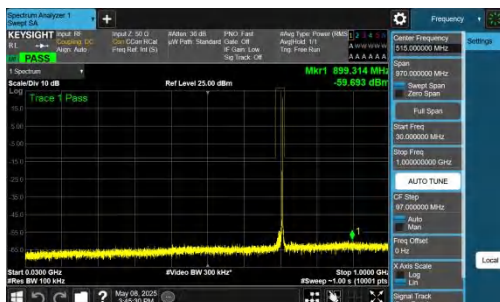
NTNV-n12-PC3-15-15-L-DFT-QPSK-Inner_1RB_Left-12000-2000
0-PASS



NTNV-n12-PC3-15-15-L-DFT-QPSK-Inner_1RB_Right-0.009-0.1
5-PASS



NTNV-n12-PC3-15-15-L-DFT-QPSK-Inner_1RB_Right-0.15-30-PA
SS



NTNV-n12-PC3-15-15-L-DFT-QPSK-Inner_1RB_Right-30-1000-P
ASS



NTNV-n12-PC3-15-15-L-DFT-QPSK-Inner_1RB_Right-1000-3000-
PASS



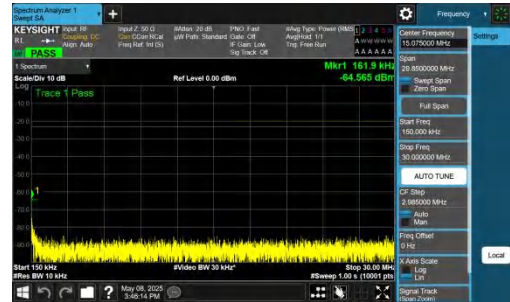
NTNV-n12-PC3-15-15-L-DFT-QPSK-Inner_1RB_Right-3000-120
00-PASS



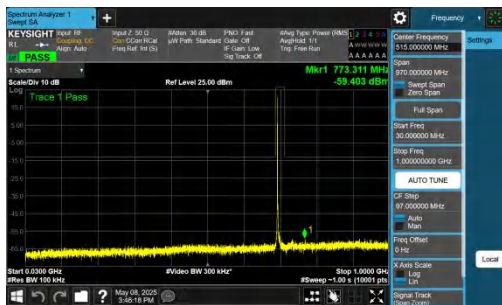
NTNV-n12-PC3-15-15-L-DFT-QPSK-Inner_1RB_Right-12000-200
00-PASS



NTNV-n12-PC3-15-15-M-DFT-BPSK-Inner_1RB_Left-0.009-0.15-PASS



NTNV-n12-PC3-15-15-M-DFT-BPSK-Inner_1RB_Left-0.15-30-PASS



NTNV-n12-PC3-15-15-M-DFT-BPSK-Inner_1RB_Left-30-1000-PASS



NTNV-n12-PC3-15-15-M-DFT-BPSK-Inner_1RB_Left-1000-3000-PASS



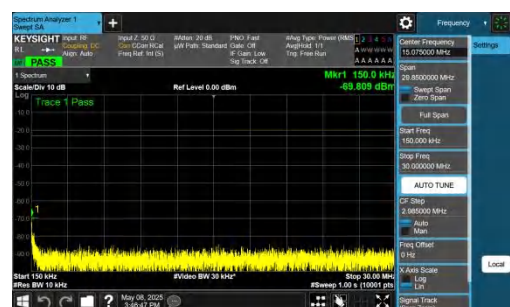
NTNV-n12-PC3-15-15-M-DFT-BPSK-Inner_1RB_Left-3000-12000-PASS



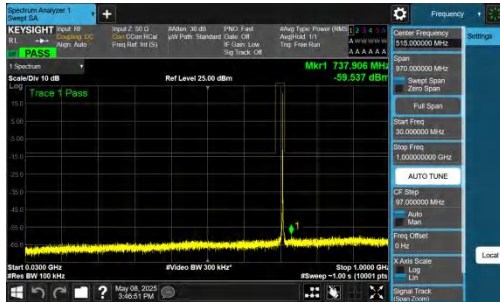
NTNV-n12-PC3-15-15-M-DFT-BPSK-Inner_1RB_Left-12000-20000-PASS



NTNV-n12-PC3-15-15-M-DFT-BPSK-Inner_1RB_Right-0.009-0.15-PASS



NTNV-n12-PC3-15-15-M-DFT-BPSK-Inner_1RB_Right-0.15-30-PASS



NTNV-n12-PC3-15-15-M-DFT-BPSK-Inner_1RB_Right-30-1000-PASS



NTNV-n12-PC3-15-15-M-DFT-BPSK-Inner_1RB_Right-1000-3000-PASS



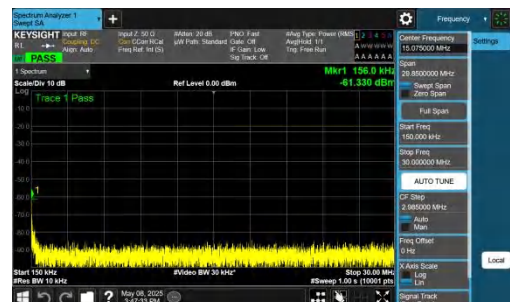
NTNV-n12-PC3-15-15-M-DFT-BPSK-Inner_1RB_Right-3000-12000-PASS



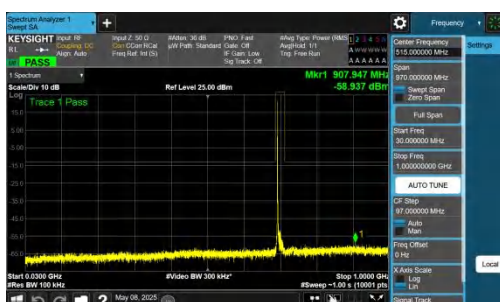
NTNV-n12-PC3-15-15-M-DFT-BPSK-Inner_1RB_Right-12000-20000-PASS



NTNV-n12-PC3-15-15-M-DFT-QPSK-Inner_1RB_Left-0.009-0.15-PASS



NTNV-n12-PC3-15-15-M-DFT-QPSK-Inner_1RB_Left-0.15-30-PASS



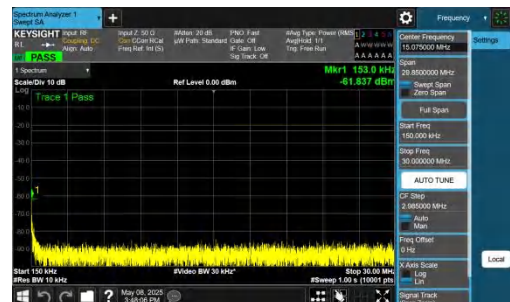
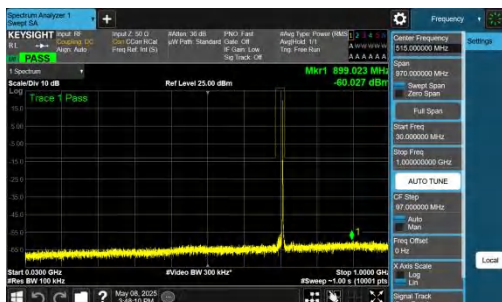
NTNV-n12-PC3-15-15-M-DFT-QPSK-Inner_1RB_Left-30-1000-PASS



NTNV-n12-PC3-15-15-M-DFT-QPSK-Inner_1RB_Left-1000-3000-PASS


NTNV-n12-PC3-15-15-M-DFT-QPSK-Inner_1RB_Left-3000-1200
0-PASS

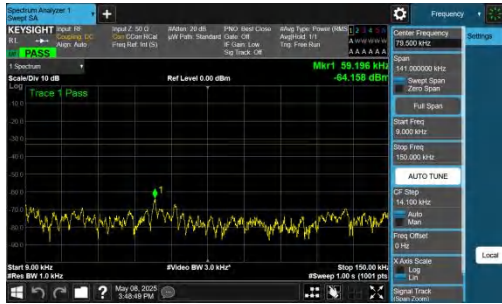
NTNV-n12-PC3-15-15-M-DFT-QPSK-Inner_1RB_Left-12000-2000
0-PASS

NTNV-n12-PC3-15-15-M-DFT-QPSK-Inner_1RB_Right-0.009-0.1
5-PASS

NTNV-n12-PC3-15-15-M-DFT-QPSK-Inner_1RB_Right-0.15-30-P
ASS

NTNV-n12-PC3-15-15-M-DFT-QPSK-Inner_1RB_Right-30-1000-
PASS

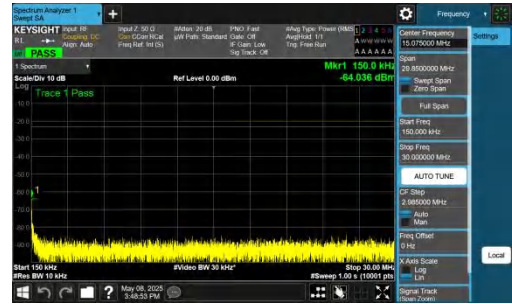
NTNV-n12-PC3-15-15-M-DFT-QPSK-Inner_1RB_Right-1000-3000-
-PASS

NTNV-n12-PC3-15-15-M-DFT-QPSK-Inner_1RB_Right-3000-12000-
00-PASS

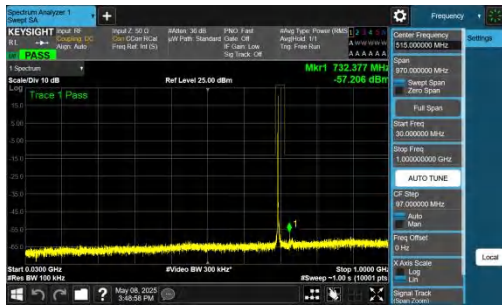
NTNV-n12-PC3-15-15-M-DFT-QPSK-Inner_1RB_Right-12000-20000-
00-PASS



NTNV-n12-PC3-15-15-H-DFT-BPSK-Inner_1RB_Left-0.009-0.15-PASS



NTNV-n12-PC3-15-15-H-DFT-BPSK-Inner_1RB_Left-0.15-30-PASS



NTNV-n12-PC3-15-15-H-DFT-BPSK-Inner_1RB_Left-30-1000-PASS



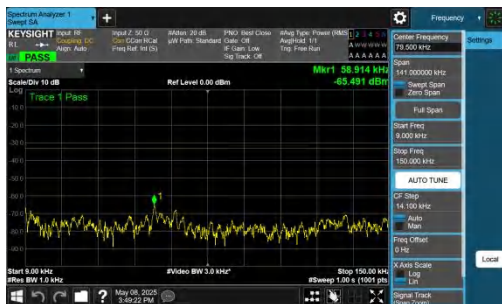
NTNV-n12-PC3-15-15-H-DFT-BPSK-Inner_1RB_Left-1000-3000-PASS



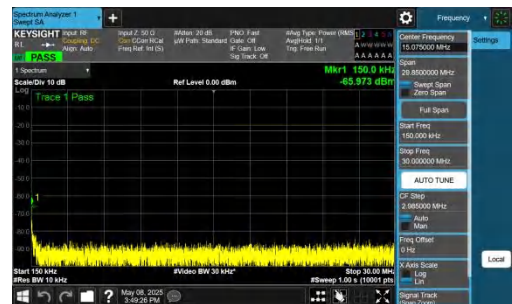
NTNV-n12-PC3-15-15-H-DFT-BPSK-Inner_1RB_Left-3000-12000-PASS



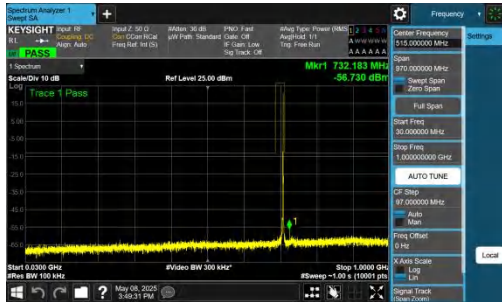
NTNV-n12-PC3-15-15-H-DFT-BPSK-Inner_1RB_Left-12000-20000-PASS



NTNV-n12-PC3-15-15-H-DFT-BPSK-Inner_1RB_Right-0.009-0.15-PASS



NTNV-n12-PC3-15-15-H-DFT-BPSK-Inner_1RB_Right-0.15-30-PASS



NTNV-n12-PC3-15-15-H-DFT-BPSK-Inner_1RB_Right-30-1000-PASS



NTNV-n12-PC3-15-15-H-DFT-BPSK-Inner_1RB_Right-1000-3000-PASS



NTNV-n12-PC3-15-15-H-DFT-BPSK-Inner_1RB_Right-3000-12000-PASS



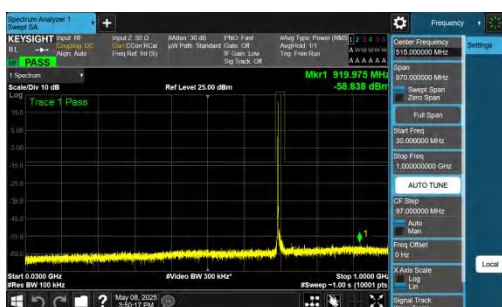
NTNV-n12-PC3-15-15-H-DFT-BPSK-Inner_1RB_Right-12000-20000-PASS



NTNV-n12-PC3-15-15-H-DFT-QPSK-Inner_1RB_Left-0.009-0.15-PASS



NTNV-n12-PC3-15-15-H-DFT-QPSK-Inner_1RB_Left-0.15-30-PASS



NTNV-n12-PC3-15-15-H-DFT-QPSK-Inner_1RB_Left-30-1000-PASS



NTNV-n12-PC3-15-15-H-DFT-QPSK-Inner_1RB_Left-1000-3000-PASS



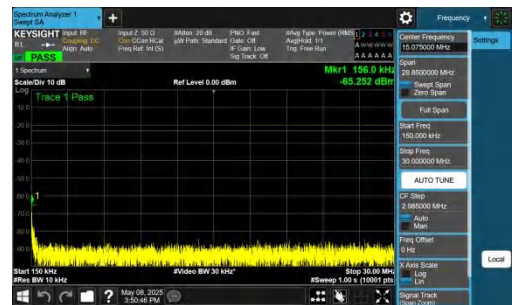
NTNV-n12-PC3-15-15-H-DFT-QPSK-Inner_1RB_Left-3000-1200
0-PASS



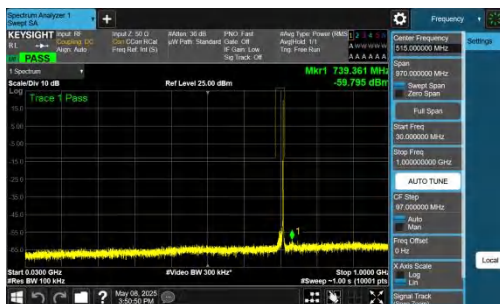
NTNV-n12-PC3-15-15-H-DFT-QPSK-Inner_1RB_Left-12000-2000
0-PASS



NTNV-n12-PC3-15-15-H-DFT-QPSK-Inner_1RB_Right-0.009-0.1
5-PASS



NTNV-n12-PC3-15-15-H-DFT-QPSK-Inner_1RB_Right-0.15-30-PA
SS



NTNV-n12-PC3-15-15-H-DFT-QPSK-Inner_1RB_Right-30-1000-
PASS



NTNV-n12-PC3-15-15-H-DFT-QPSK-Inner_1RB_Right-1000-3000-
-PASS



NTNV-n12-PC3-15-15-H-DFT-QPSK-Inner_1RB_Right-3000-12000-
00-PASS



NTNV-n12-PC3-15-15-H-DFT-QPSK-Inner_1RB_Right-12000-20000-
00-PASS

Frequency Stability for SA

Test Result

Voltage											
Band	SCS	Bandwidth	Modulation	Channel	RB Config	Voltage (Vdc)	Temperature (°C)	Deviation(Hz)	Deviation (ppm)	Limit(ppm)	Verdict
n12	15	15	DFT-QPSK	M	Outer_Full	VL	NT	-5	-0.007067	±2.5	PASS
n12	15	15	DFT-QPSK	M	Outer_Full	VN	NT	-4.8	-0.006784	±2.5	PASS
n12	15	15	DFT-QPSK	M	Outer_Full	VH	NT	-5.1	-0.007208	±2.5	PASS

Temperature											
Band	SCS	Bandwidth	Modulation	Channel	RB Config	Voltage (Vdc)	Temperature (°C)	Deviation(Hz)	Deviation (ppm)	Limit(ppm)	Verdict
n12	15	15	DFT-QPSK	M	Outer_Full	NV	-30	-5	-0.007067	±2.5	PASS
n12	15	15	DFT-QPSK	M	Outer_Full	NV	-20	-5.7	-0.008057	±2.5	PASS
n12	15	15	DFT-QPSK	M	Outer_Full	NV	-10	-6.4	-0.009046	±2.5	PASS
n12	15	15	DFT-QPSK	M	Outer_Full	NV	0	-2.9	-0.004099	±2.5	PASS
n12	15	15	DFT-QPSK	M	Outer_Full	NV	10	-3.3	-0.004664	±2.5	PASS
n12	15	15	DFT-QPSK	M	Outer_Full	NV	20	-1.7	-0.002403	±2.5	PASS
n12	15	15	DFT-QPSK	M	Outer_Full	NV	30	-5.2	-0.00735	±2.5	PASS
n12	15	15	DFT-QPSK	M	Outer_Full	NV	40	-4.2	-0.005936	±2.5	PASS
n12	15	15	DFT-QPSK	M	Outer_Full	NV	50	-3.1	-0.004382	±2.5	PASS