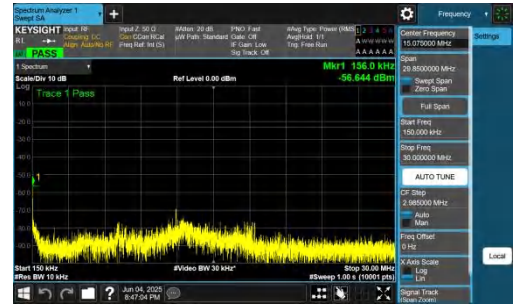
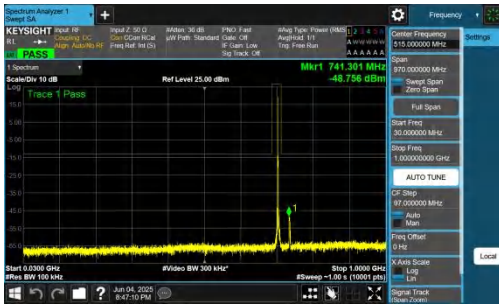




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NTNV-n12-PC3-15-5-H-DFT-BPSK-Inner_1RB_Left-0.15-30-PASS



NTNV-n12-PC3-15-5-H-DFT-BPSK-Inner_1RB_Left-30-1000-PASS



NTNV-n12-PC3-15-5-H-DFT-BPSK-Inner_1RB_Left-1000-3000-PASS



NTNV-n12-PC3-15-5-H-DFT-BPSK-Inner_1RB_Left-3000-12000-PAS

S



NTNV-n12-PC3-15-5-H-DFT-BPSK-Inner_1RB_Left-12000-20000-PAS

S

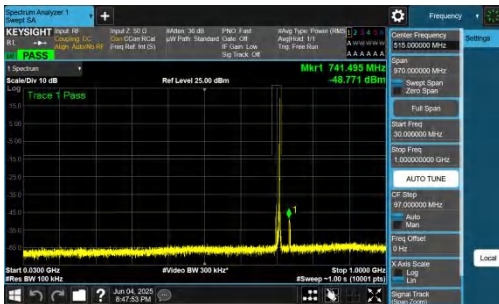


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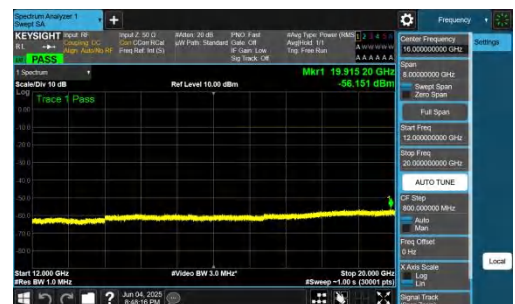


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NTNV-n12-PC3-15-5-H-DFT-BPSK-Inner_1RB_Right-1000-3000-PASS
S

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

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

NTNV-n12-PC3-15-5-H-DFT-QPSK-Inner_1RB_Left-0.009-0.15-PASS
S


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



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



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



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S



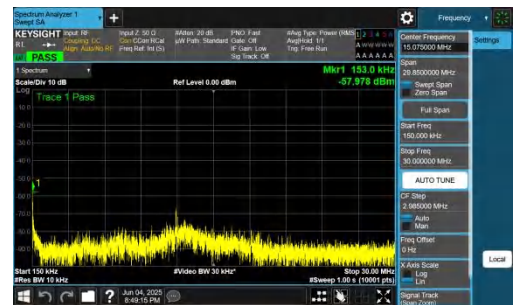
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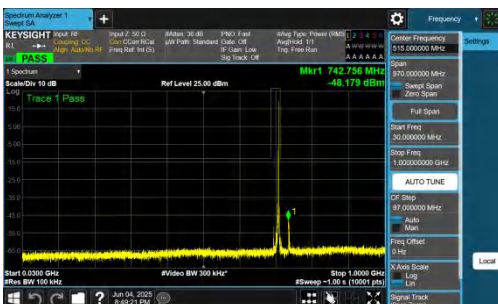


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SS



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



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



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S



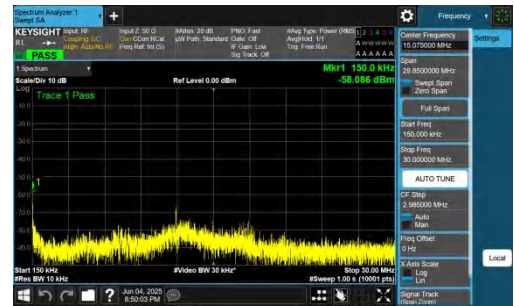
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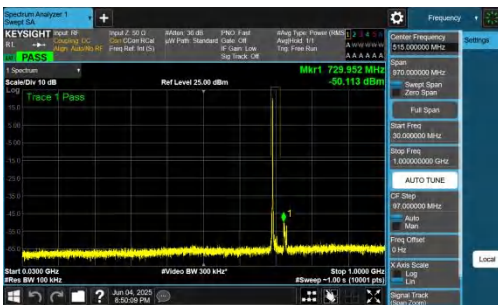


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S


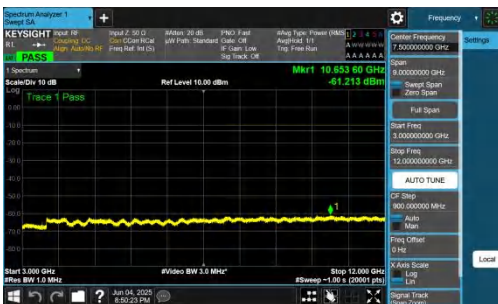
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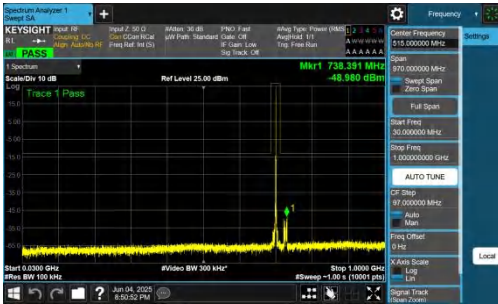
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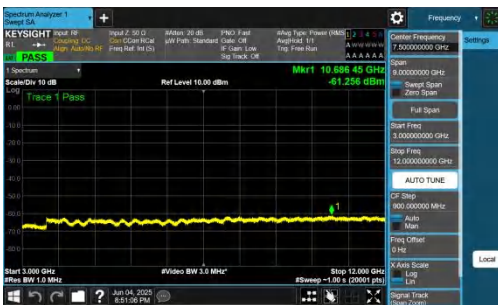
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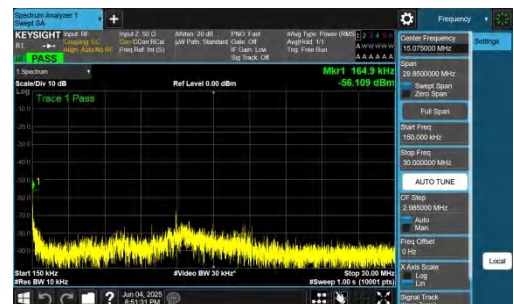

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NTNV-n12-PC3-15-10-L-DFT-BPSK-Inner_1RB_Right-1000-3000-PASS
S

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

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

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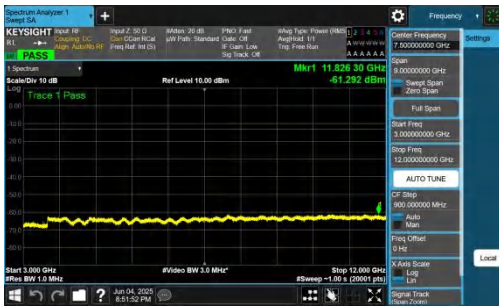
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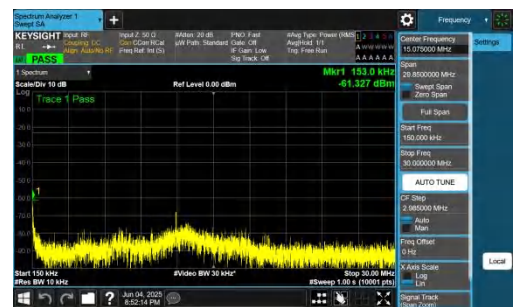
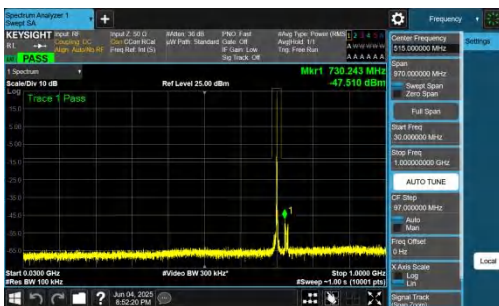
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NTNV-n12-PC3-15-10-L-DFT-QPSK-Inner_1RB_Left-1000-3000-PASS


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

NTNV-n12-PC3-15-10-L-DFT-QPSK-Inner_1RB_Left-12000-20000-PA
SS

NTNV-n12-PC3-15-10-L-DFT-QPSK-Inner_1RB_Right-0.009-0.15-PA
SS

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


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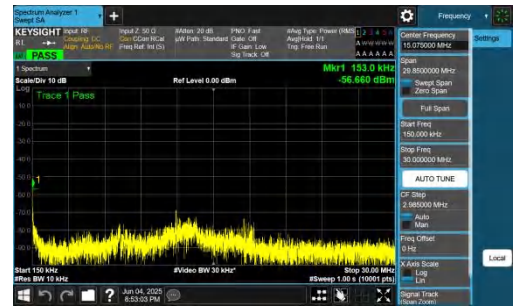

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ASS

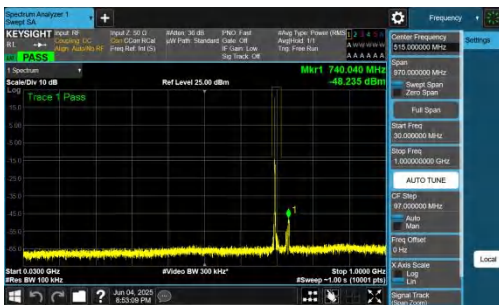
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ASS



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S



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-PAS
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NTNV-n12-PC3-15-10-M-DFT-BPSK-Inner_1RB_Left-3000-12000-PA
SS



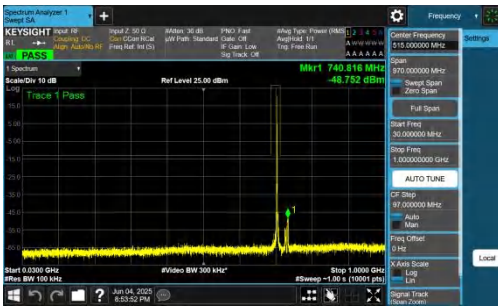
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SS



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-PAS

S



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

SS



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

ASS



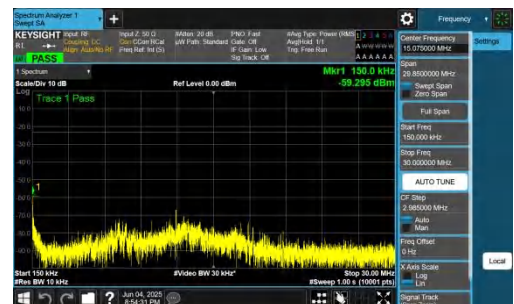
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ASS



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

SS



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-PAS

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SS



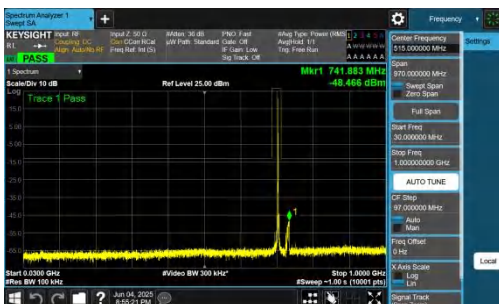
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ASS



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



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



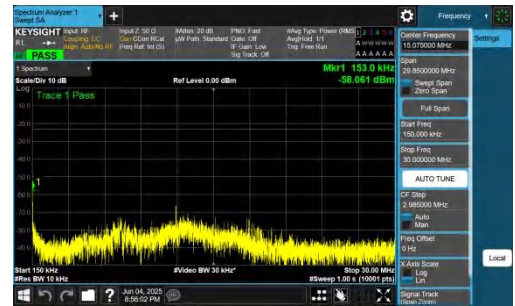
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SS



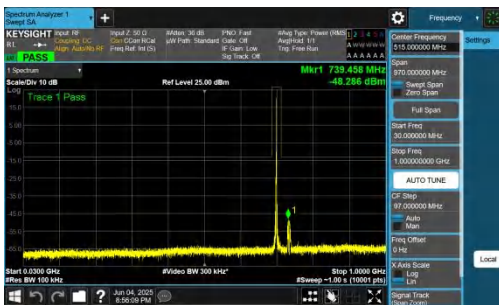
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ASS



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ASS


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


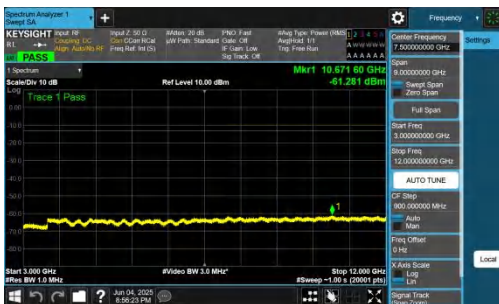
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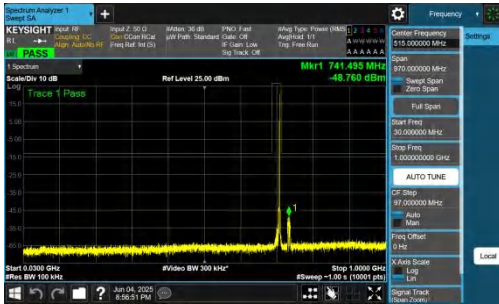
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SS

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

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


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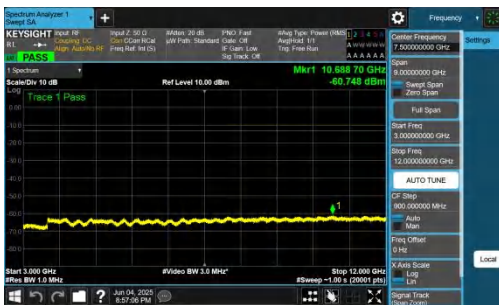
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S



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S



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ASS



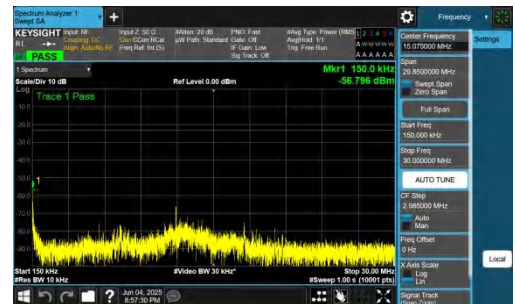
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ASS

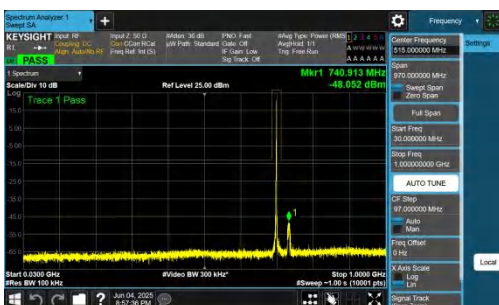


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NTNV-n12-PC3-15-10-H-DFT-QPSK-Inner_1RB_Left-0.15-30-PASS



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-PAS

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NTNV-n12-PC3-15-10-H-DFT-QPSK-Inner_1RB_Left-3000-12000-PA

SS



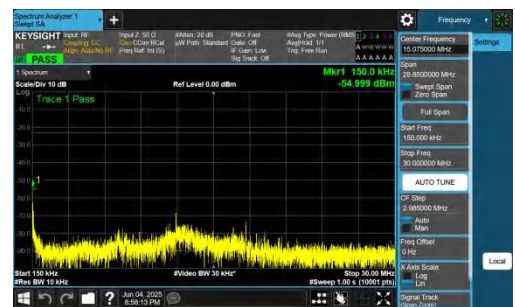
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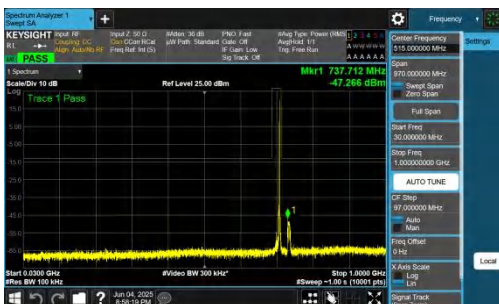


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SS



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



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

S



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

SS



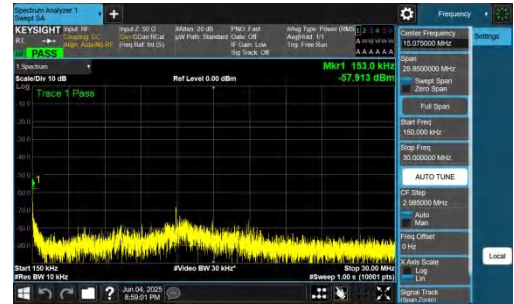
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ASS

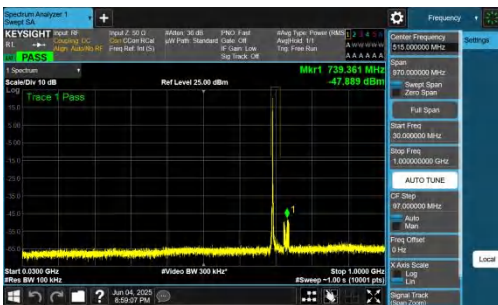


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ASS


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S


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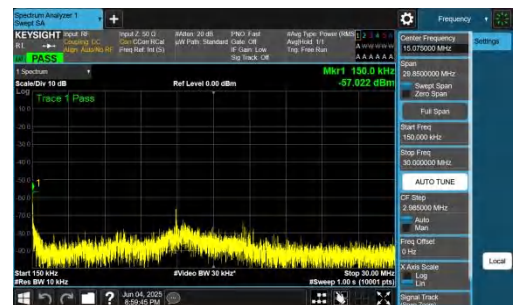
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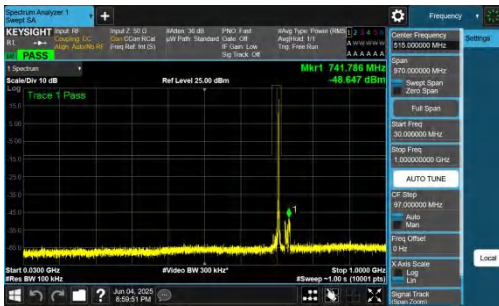
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NTNV-n12-PC3-15-15-L-DFT-BPSK-Inner_1RB_Left-3000-12000-PA
SS

NTNV-n12-PC3-15-15-L-DFT-BPSK-Inner_1RB_Left-12000-20000-PA
SS

NTNV-n12-PC3-15-15-L-DFT-BPSK-Inner_1RB_Right-0.009-0.15-PA
SS


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

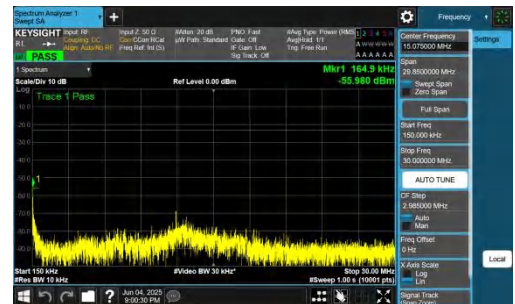


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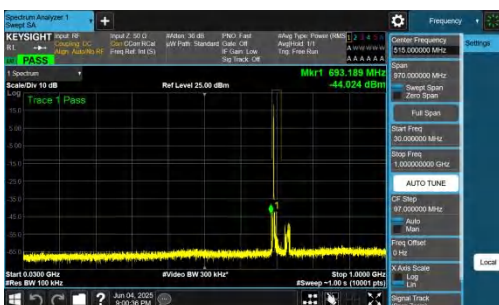

NTNV-n12-PC3-15-15-L-DFT-BPSK-Inner_1RB_Right-1000-3000-PASS
S

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

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

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


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



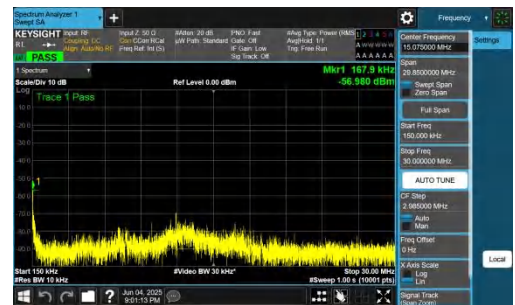
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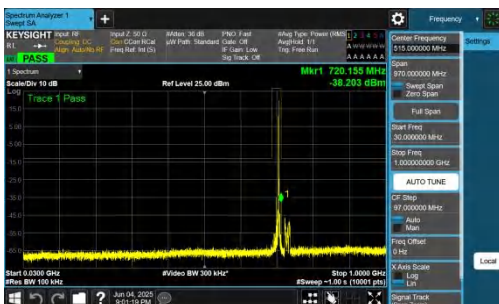
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NTNV-n12-PC3-15-15-L-DFT-QPSK-Inner_1RB_Left-3000-12000-PA
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SS

NTNV-n12-PC3-15-15-L-DFT-QPSK-Inner_1RB_Right-0.009-0.15-PA
SS


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

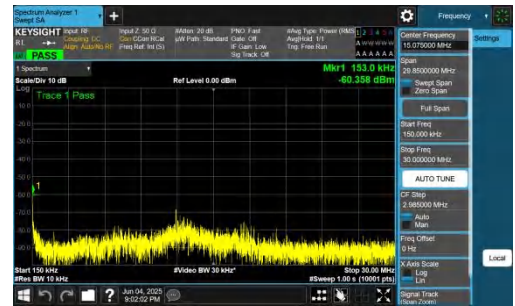


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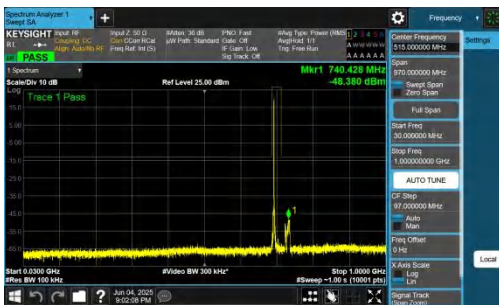

NTNV-n12-PC3-15-15-L-DFT-QPSK-Inner_1RB_Right-1000-3000-PAS
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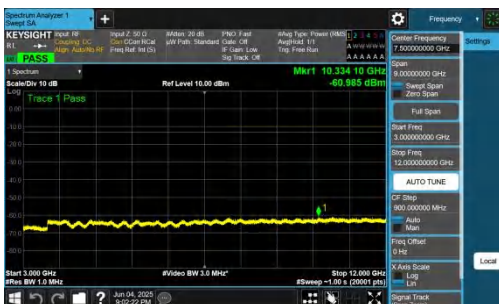
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ASS


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S


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



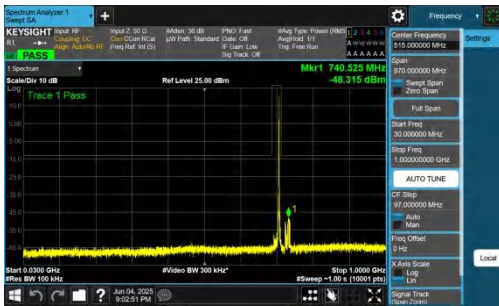
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NTNV-n12-PC3-15-15-M-DFT-BPSK-Inner_1RB_Left-1000-3000-PAS
S

NTNV-n12-PC3-15-15-M-DFT-BPSK-Inner_1RB_Left-3000-12000-PA
SS

NTNV-n12-PC3-15-15-M-DFT-BPSK-Inner_1RB_Left-12000-20000-PA
SS

NTNV-n12-PC3-15-15-M-DFT-BPSK-Inner_1RB_Right-0.009-0.15-PA
SS


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-PAS

S



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

SS



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

ASS



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

ASS

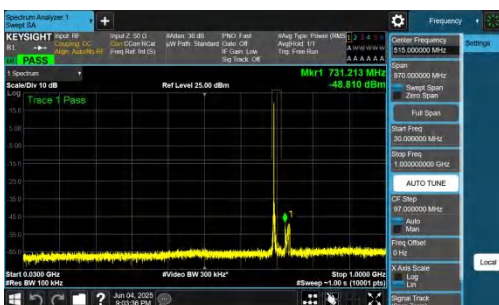


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SS



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-PAS

S



NTNV-n12-PC3-15-15-M-DFT-QPSK-Inner_1RB_Left-3000-12000-PA
SS



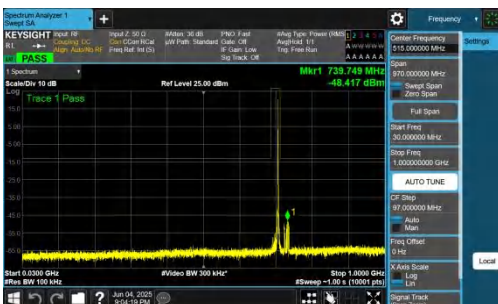
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NTNV-n12-PC3-15-15-M-DFT-QPSK-Inner_1RB_Right-0.009-0.15-P
ASS



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



NTNV-n12-PC3-15-15-M-DFT-QPSK-Inner_1RB_Right-30-1000-PAS
S



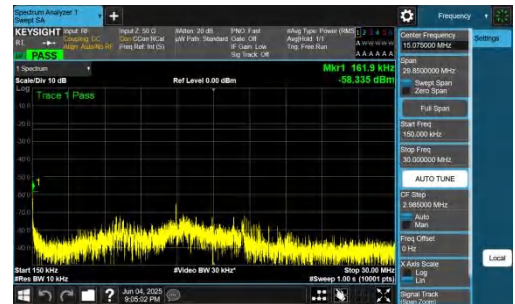
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SS



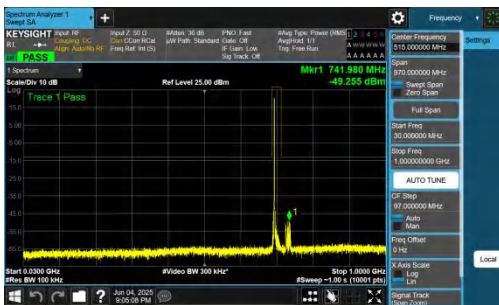
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ASS



NTNV-n12-PC3-15-15-M-DFT-QPSK-Inner_1RB_Right-12000-20000-P
ASS


NTNV-n12-PC3-15-15-H-DFT-BPSK-Inner_1RB_Left-0.009-0.15-PAS
S


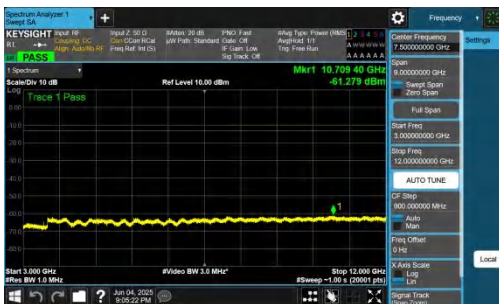
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NTNV-n12-PC3-15-15-H-DFT-BPSK-Inner_1RB_Left-30-1000-PASS



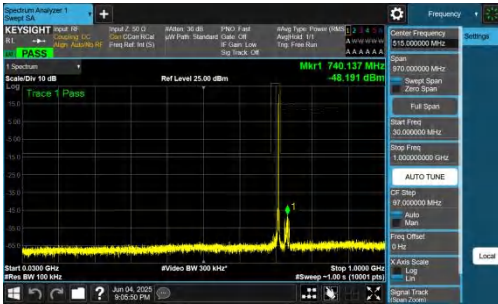
NTNV-n12-PC3-15-15-H-DFT-BPSK-Inner_1RB_Left-1000-3000-PASS


NTNV-n12-PC3-15-15-H-DFT-BPSK-Inner_1RB_Left-3000-12000-PA
SS

NTNV-n12-PC3-15-15-H-DFT-BPSK-Inner_1RB_Left-12000-20000-PA
SS

NTNV-n12-PC3-15-15-H-DFT-BPSK-Inner_1RB_Right-0.009-0.15-PA
SS


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-PAS

S



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

S



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

ASS



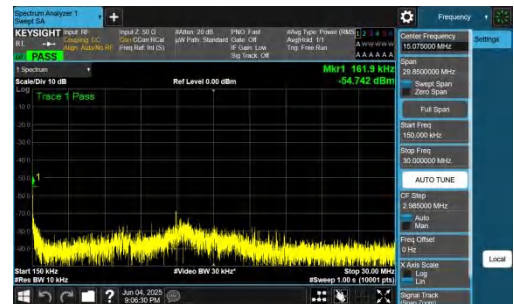
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ASS

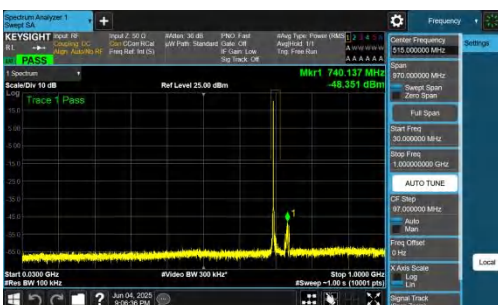


NTNV-n12-PC3-15-15-H-DFT-QPSK-Inner_1RB_Left-0.009-0.15-PAS

S



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-PAS

S



NTNV-n12-PC3-15-15-H-DFT-QPSK-Inner_1RB_Left-3000-12000-PA

SS



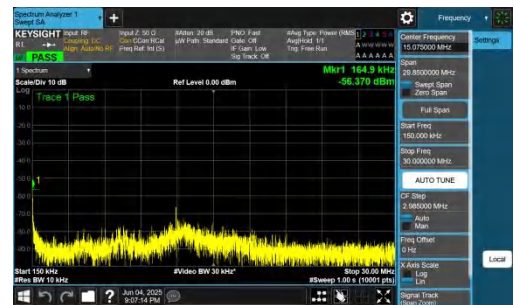
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SS

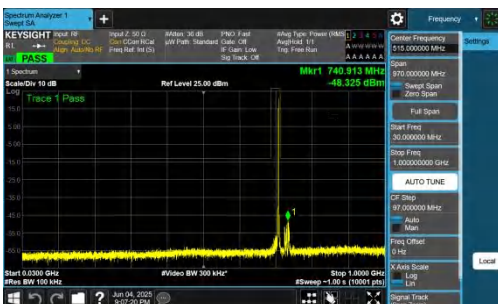


NTNV-n12-PC3-15-15-H-DFT-QPSK-Inner_1RB_Right-0.009-0.15-PA

SS



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



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

S



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

SS



NTNV-n12-PC3-15-15-H-DFT-QPSK-Inner_1RB_Right-3000-12000-P

ASS



NTNV-n12-PC3-15-15-H-DFT-QPSK-Inner_1RB_Right-12000-20000-P

ASS

Frequency Stability

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	-3.45	-0.004876	±2.5	PASS
n12	15	15	DFT-QPSK	M	Outer_Full	VN	NT	-3.84	-0.005428	±2.5	PASS
n12	15	15	DFT-QPSK	M	Outer_Full	VH	NT	-2.06	-0.002912	±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	-1.7	-0.002403	±2.5	PASS
n12	15	15	DFT-QPSK	M	Outer_Full	NV	-20	-4.49	-0.006346	±2.5	PASS
n12	15	15	DFT-QPSK	M	Outer_Full	NV	-10	-2.72	-0.003845	±2.5	PASS
n12	15	15	DFT-QPSK	M	Outer_Full	NV	0	-3.03	-0.004283	±2.5	PASS
n12	15	15	DFT-QPSK	M	Outer_Full	NV	10	-2.83	-0.004	±2.5	PASS
n12	15	15	DFT-QPSK	M	Outer_Full	NV	20	-3.49	-0.004933	±2.5	PASS
n12	15	15	DFT-QPSK	M	Outer_Full	NV	30	-3.61	-0.005102	±2.5	PASS
n12	15	15	DFT-QPSK	M	Outer_Full	NV	40	-2.72	-0.003845	±2.5	PASS
n12	15	15	DFT-QPSK	M	Outer_Full	NV	50	-1.68	-0.002375	±2.5	PASS

***** End of the Report *****