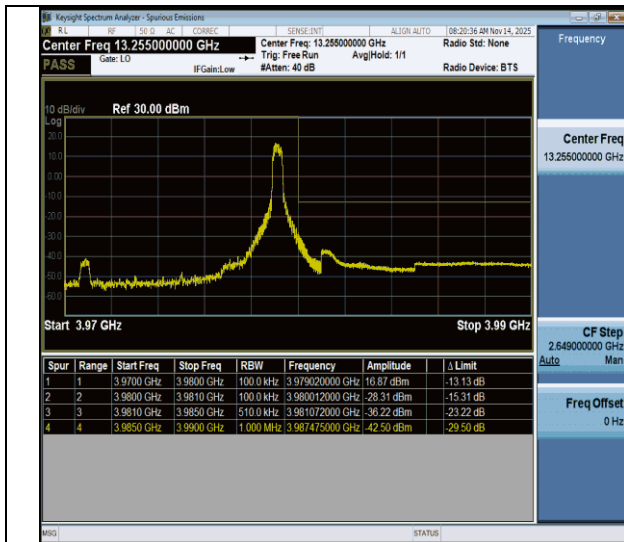
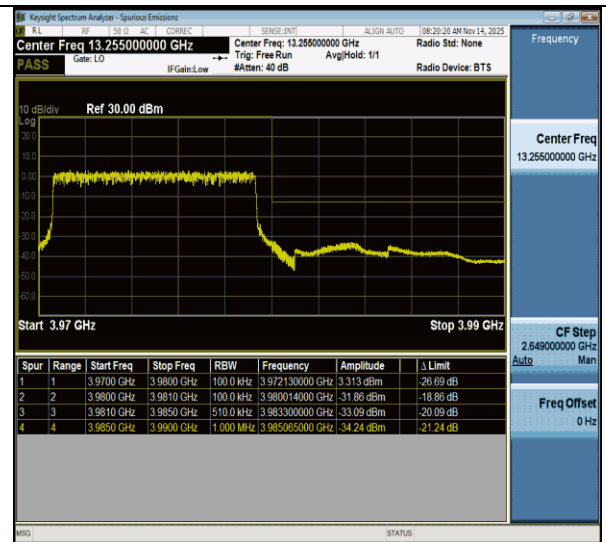
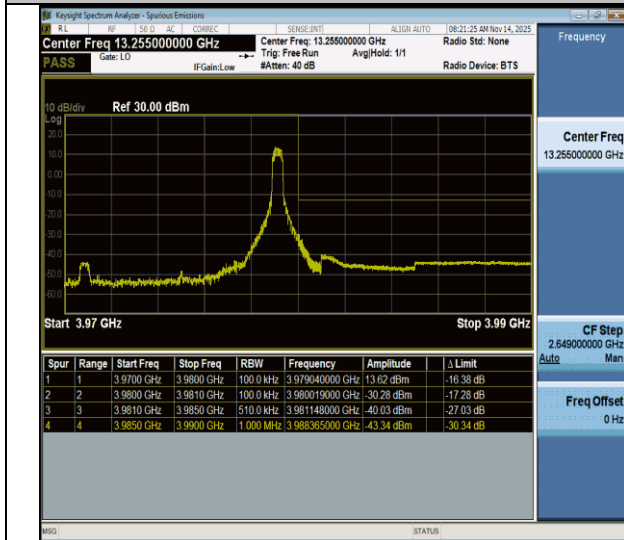




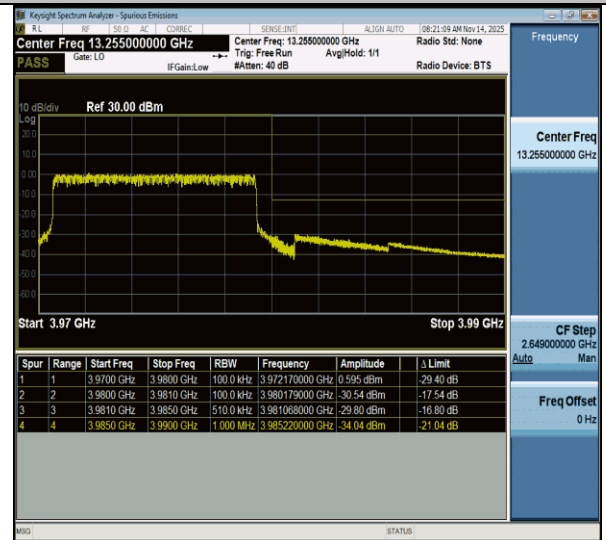
NTNV-n77(3700-3980)-PC3-30-10-H-DFT-BPSK-
Edge_1RB_Right-PASS



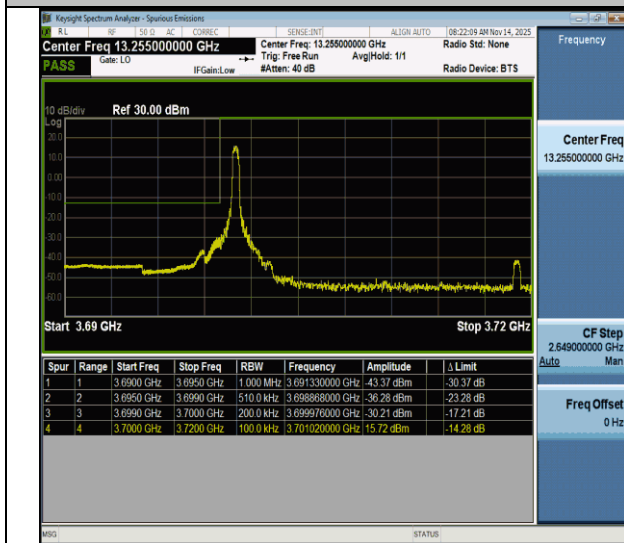
NTNV-n77(3700-3980)-PC3-30-10-H-DFT-BPSK-Outer_Full-
PASS



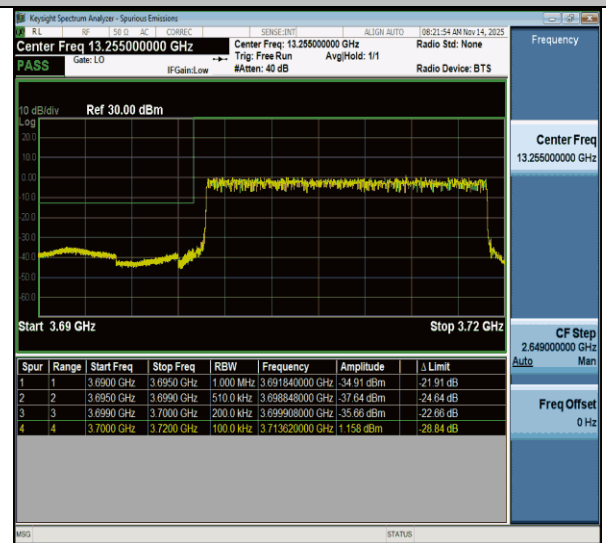
NTNV-n77(3700-3980)-PC3-30-10-H-CP-QPSK-
Edge_1RB_Right-PASS



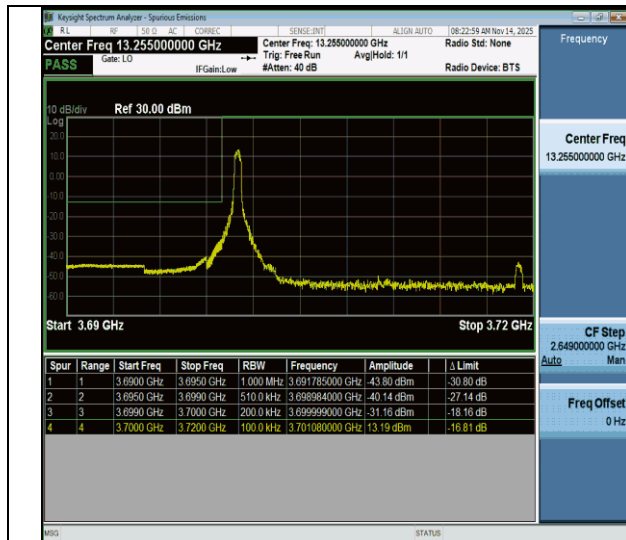
NTNV-n77(3700-3980)-PC3-30-10-H-CP-QPSK-Outer_Full-PASS



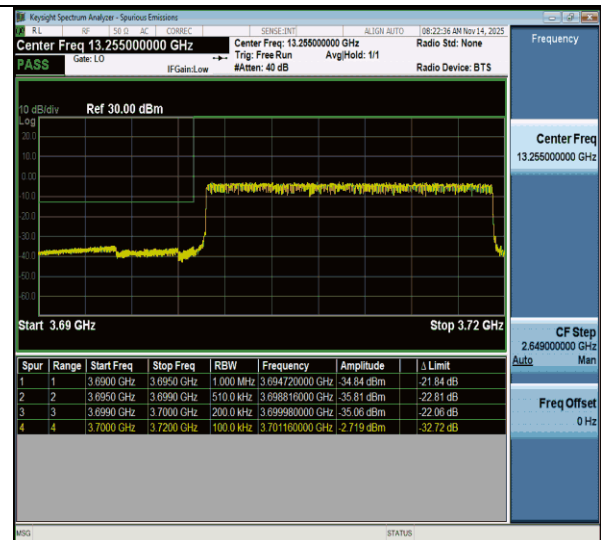
NTNV-n77(3700-3980)-PC3-30-20-L-DFT-BPSK-Edge_1RB_Left-
PASS



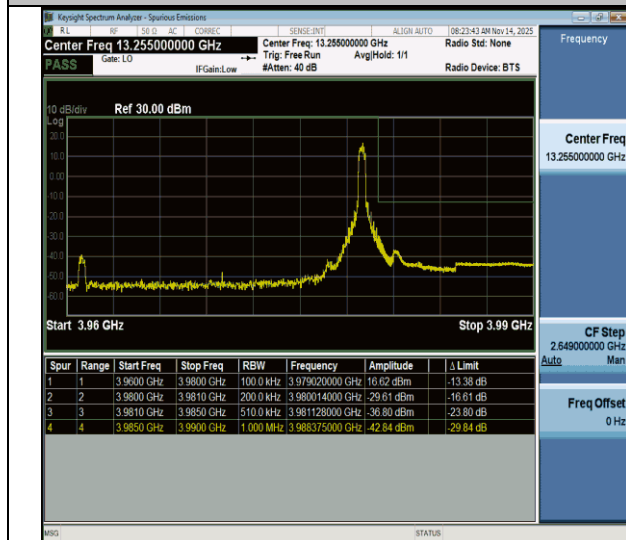
NTNV-n77(3700-3980)-PC3-30-20-L-DFT-BPSK-Outer_Full-PASS



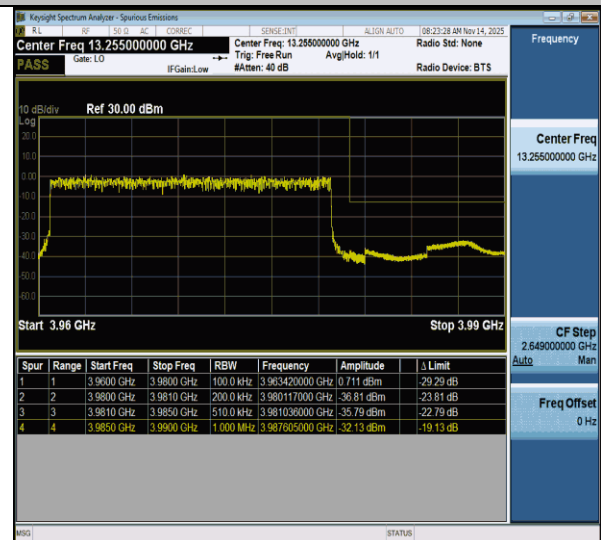
NTNV-n77(3700-3980)-PC3-30-20-L-CP-QPSK-Edge_1RB_Left-PASS



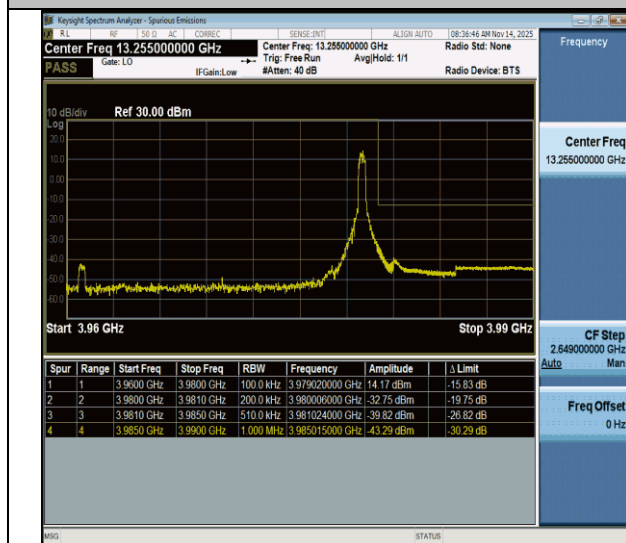
NTNV-n77(3700-3980)-PC3-30-20-L-CP-QPSK-Outer_Full-PASS



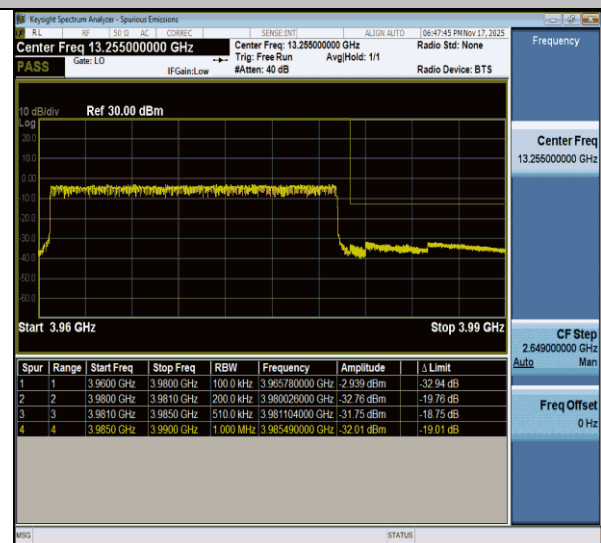
NTNV-n77(3700-3980)-PC3-30-20-H-DFT-BPSK-Edge_1RB_Right-PASS



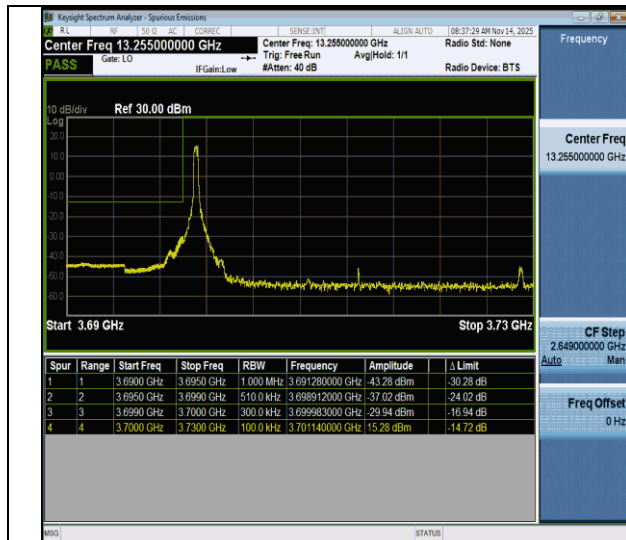
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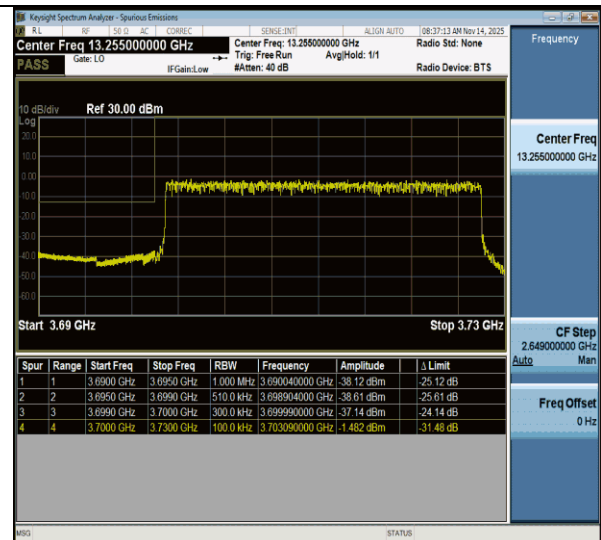
NTNV-n77(3700-3980)-PC3-30-20-H-CP-QPSK-Edge_1RB_Right-PASS



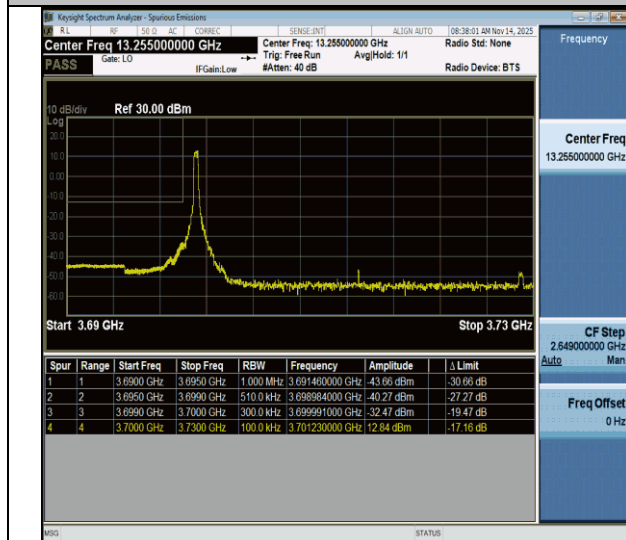
NTNV-n77(3700-3980)-PC3-30-20-H-CP-QPSK-Outer_Full-PASS



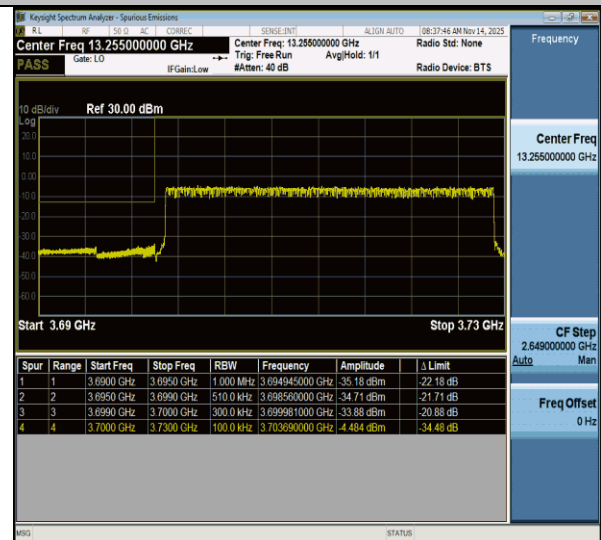
NTNV-n77(3700-3980)-PC3-30-30-L-DFT-BPSK-Edge_1RB_Left-PASS



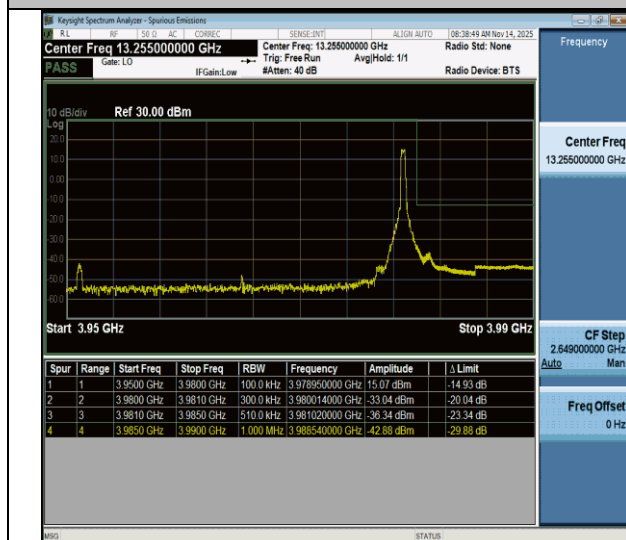
NTNV-n77(3700-3980)-PC3-30-30-L-DFT-BPSK-Outer_Full-PASS



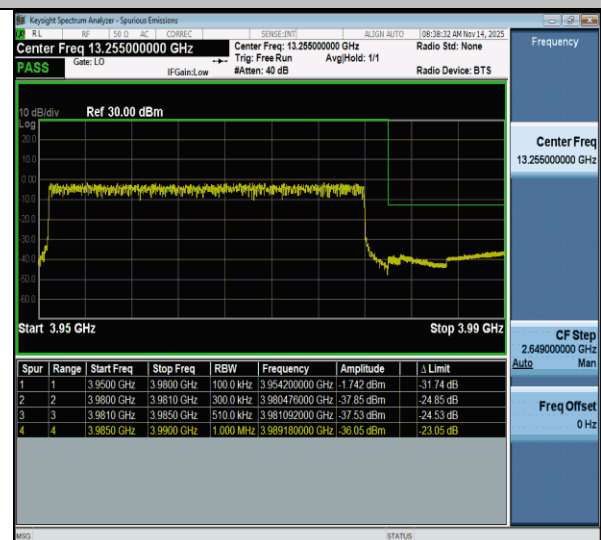
NTNV-n77(3700-3980)-PC3-30-30-L-CP-QPSK-Edge_1RB_Left-PASS



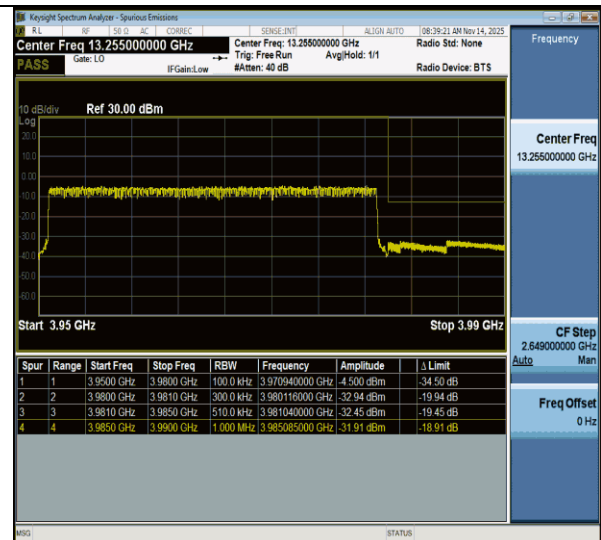
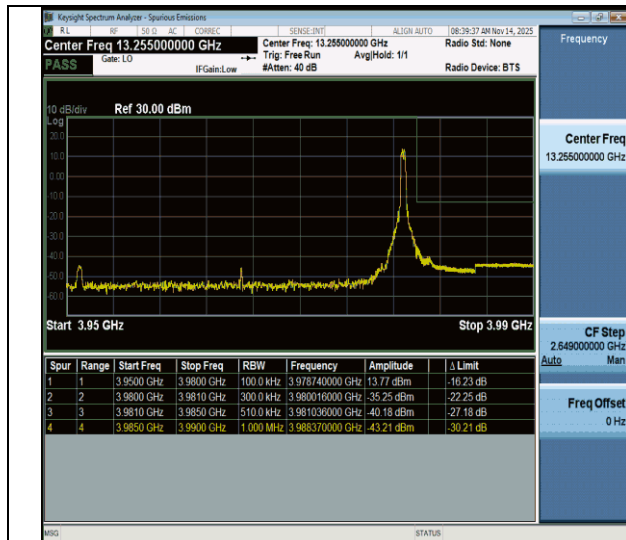
NTNV-n77(3700-3980)-PC3-30-30-L-CP-QPSK-Outer_Full-PASS



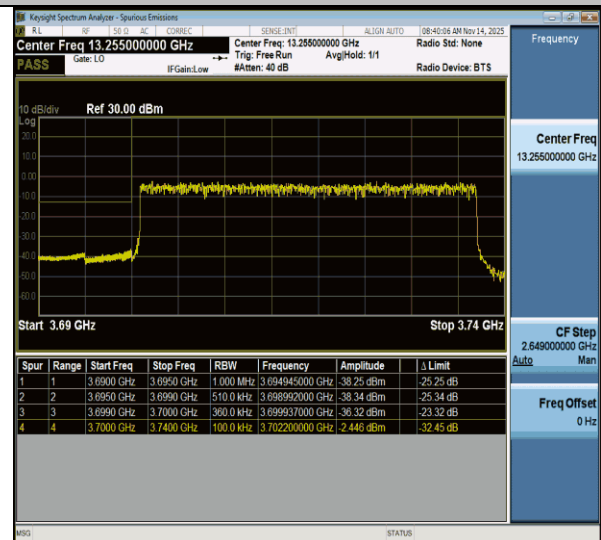
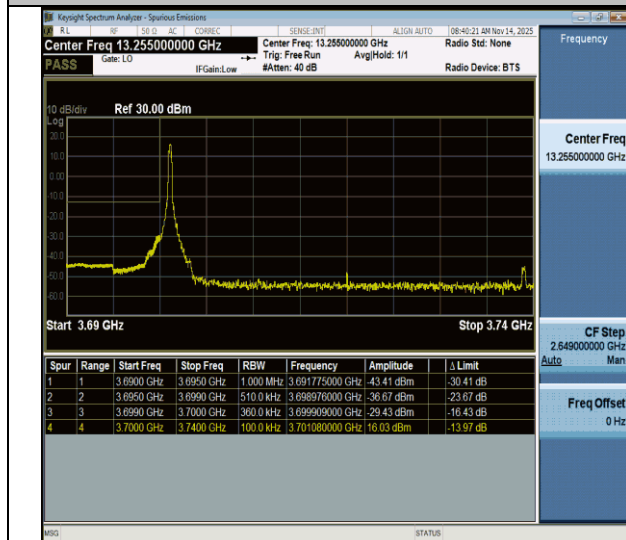
NTNV-n77(3700-3980)-PC3-30-30-H-DFT-BPSK-Edge_1RB_Right-PASS



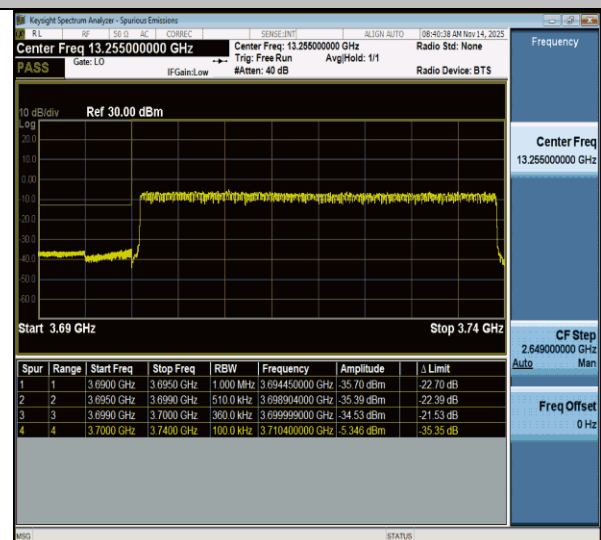
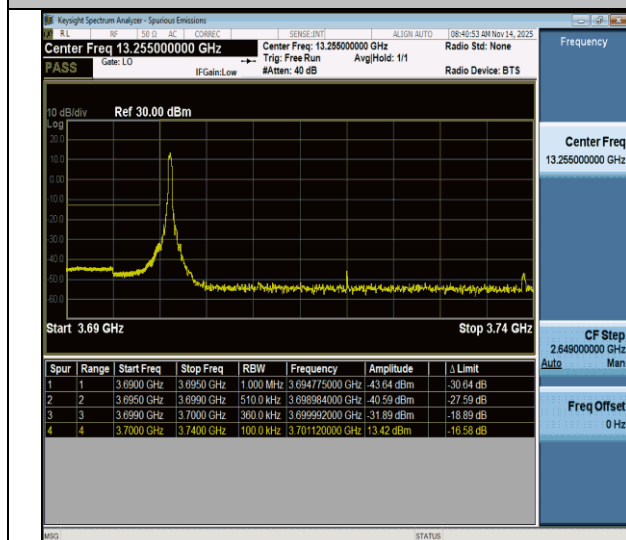
NTNV-n77(3700-3980)-PC3-30-30-H-DFT-BPSK-Outer_Full-PASS

NTNV-n77(3700-3980)-PC3-30-30-H-CP-QPSK-
Edge_1RB_Right-PASS

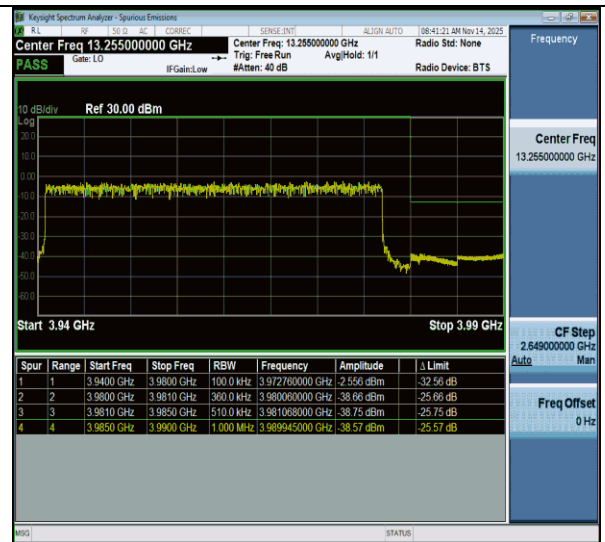
NTNV-n77(3700-3980)-PC3-30-30-H-CP-QPSK-Outer_Full-PASS

NTNV-n77(3700-3980)-PC3-30-40-L-DFT-BPSK-Edge_1RB_Left-
PASS

NTNV-n77(3700-3980)-PC3-30-40-L-DFT-BPSK-Outer_Full-PASS

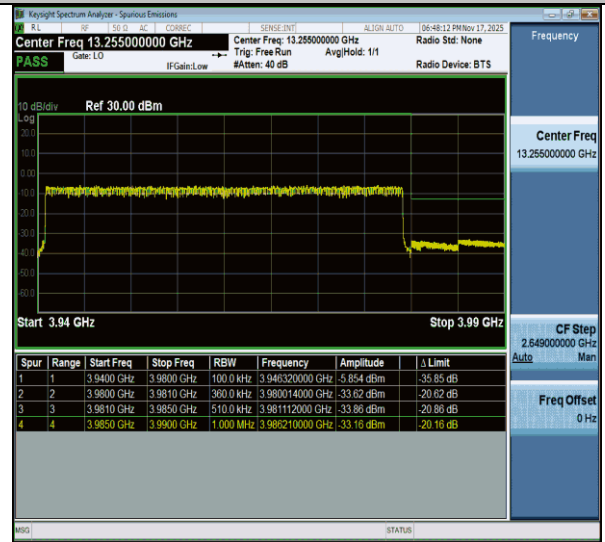
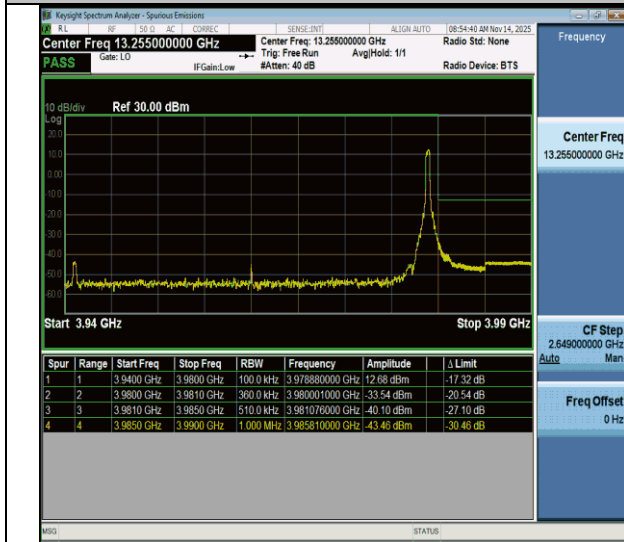
NTNV-n77(3700-3980)-PC3-30-40-L-CP-QPSK-Edge_1RB_Left-
PASS

NTNV-n77(3700-3980)-PC3-30-40-L-CP-QPSK-Outer_Full-PASS



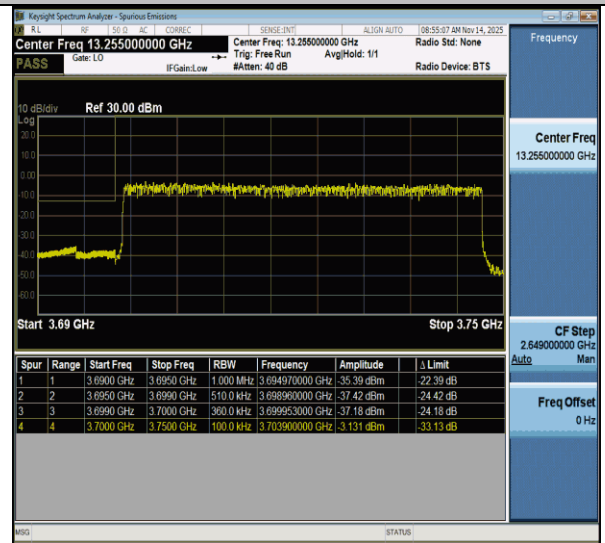
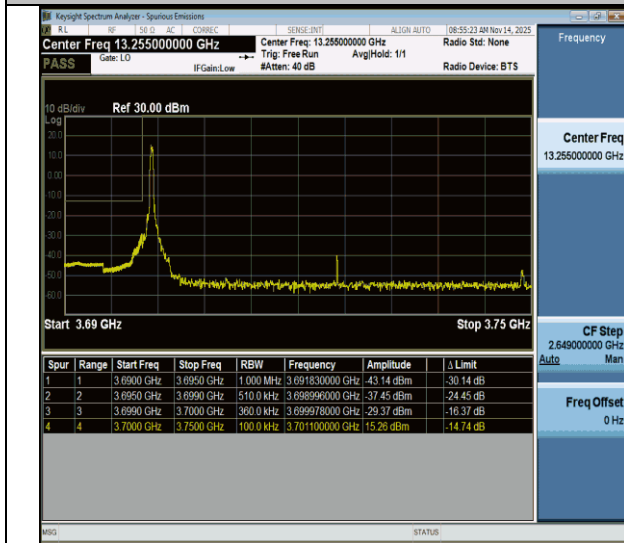
NTNV-n77(3700-3980)-PC3-30-40-H-DFT-BPSK-
Edge_1RB_Right-PASS

NTNV-n77(3700-3980)-PC3-30-40-H-DFT-BPSK-Outer_Full-
PASS



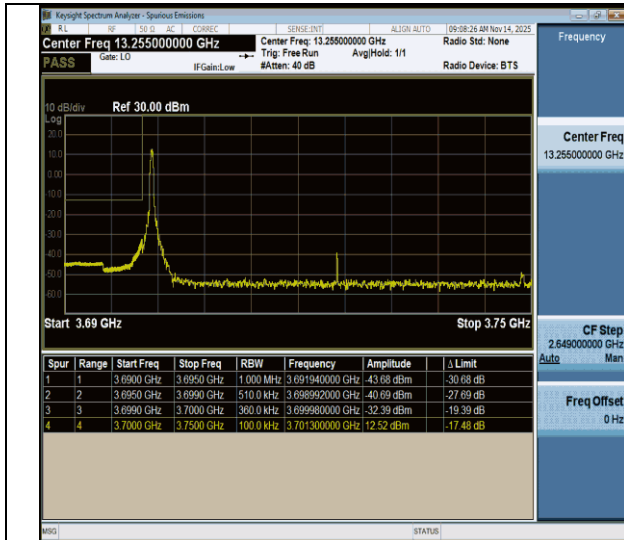
NTNV-n77(3700-3980)-PC3-30-40-H-CP-QPSK-
Edge_1RB_Right-PASS

NTNV-n77(3700-3980)-PC3-30-40-H-CP-QPSK-Outer_Full-PASS

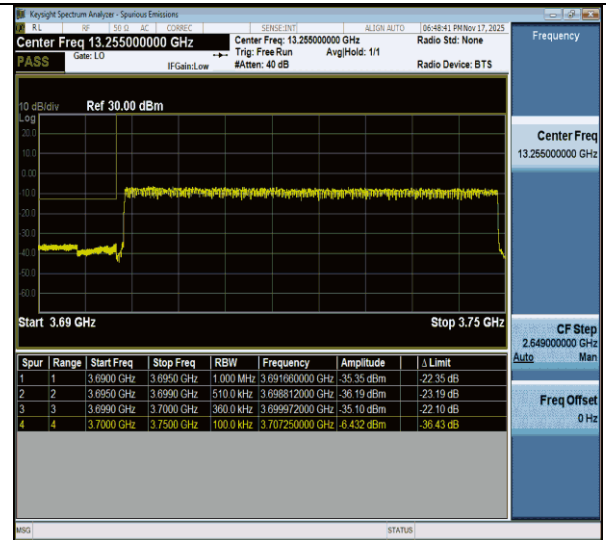


NTNV-n77(3700-3980)-PC3-30-50-L-DFT-BPSK-Edge_1RB_Left-
PASS

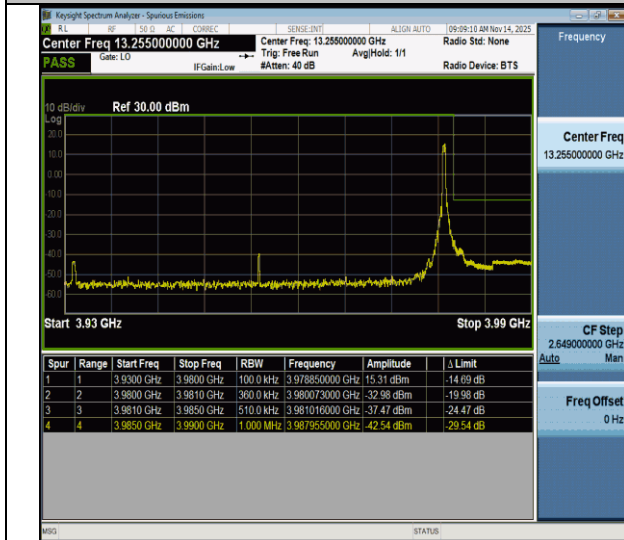
NTNV-n77(3700-3980)-PC3-30-50-L-DFT-BPSK-Outer_Full-PASS



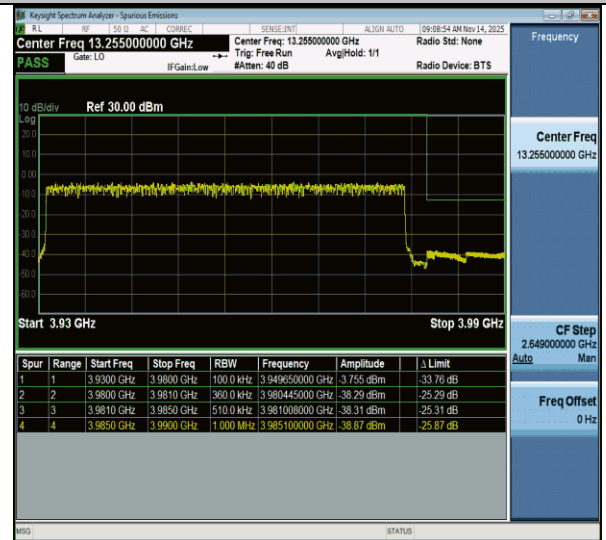
NTNV-n77(3700-3980)-PC3-30-50-L-CP-QPSK-Edge_1RB_Left-PASS



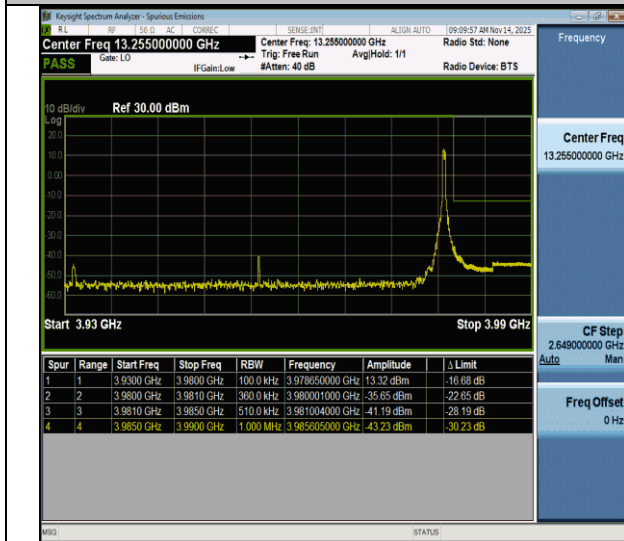
NTNV-n77(3700-3980)-PC3-30-50-L-CP-QPSK-Outer_Full-PASS



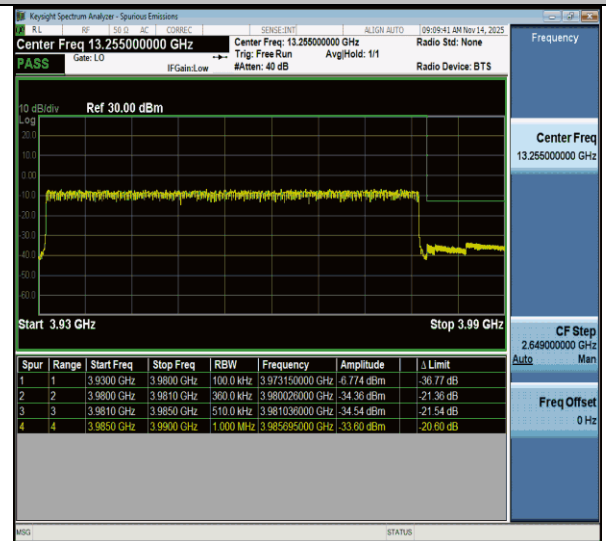
NTNV-n77(3700-3980)-PC3-30-50-H-DFT-BPSK-Edge_1RB_Right-PASS



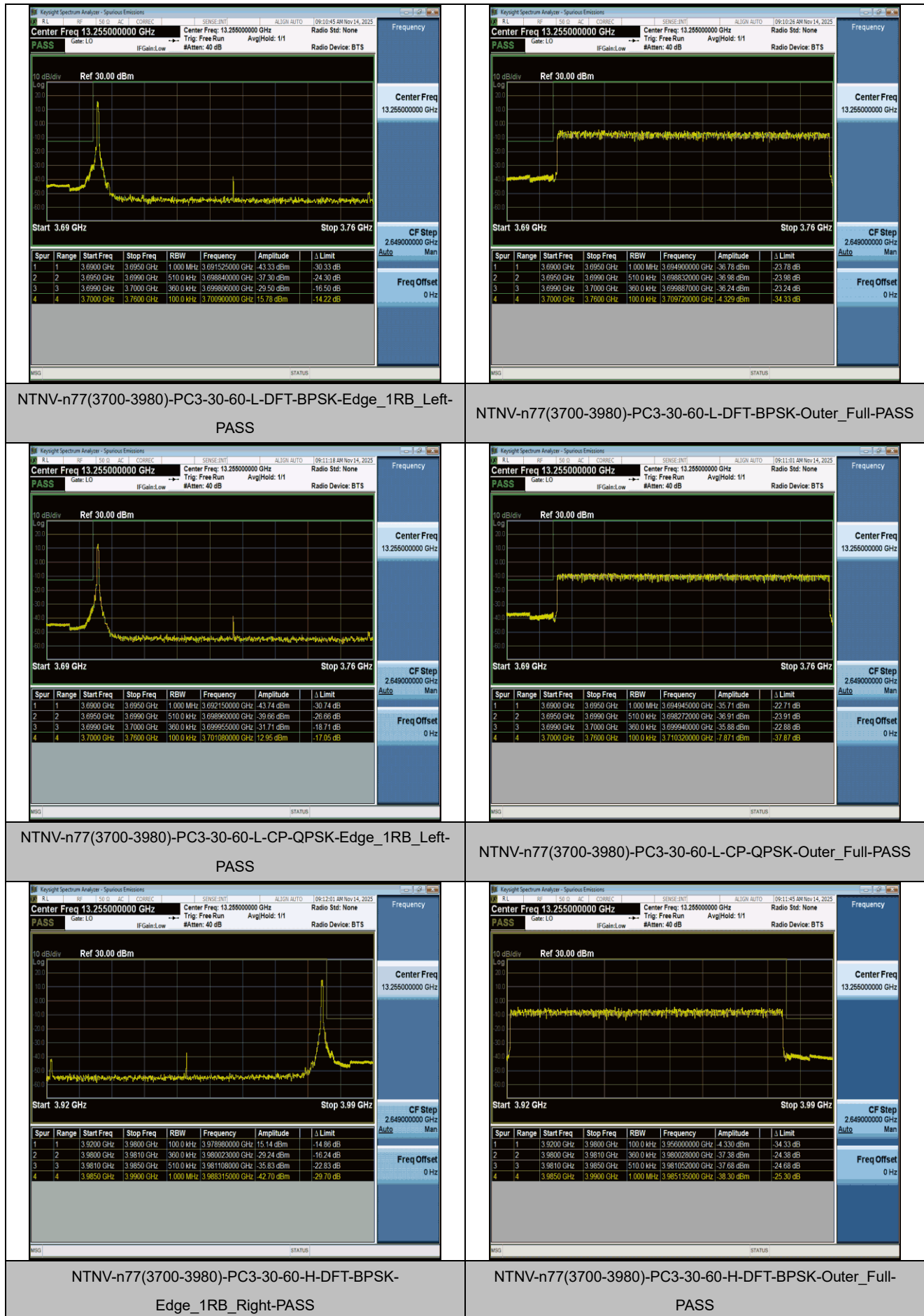
NTNV-n77(3700-3980)-PC3-30-50-H-DFT-BPSK-Outer_Full-PASS

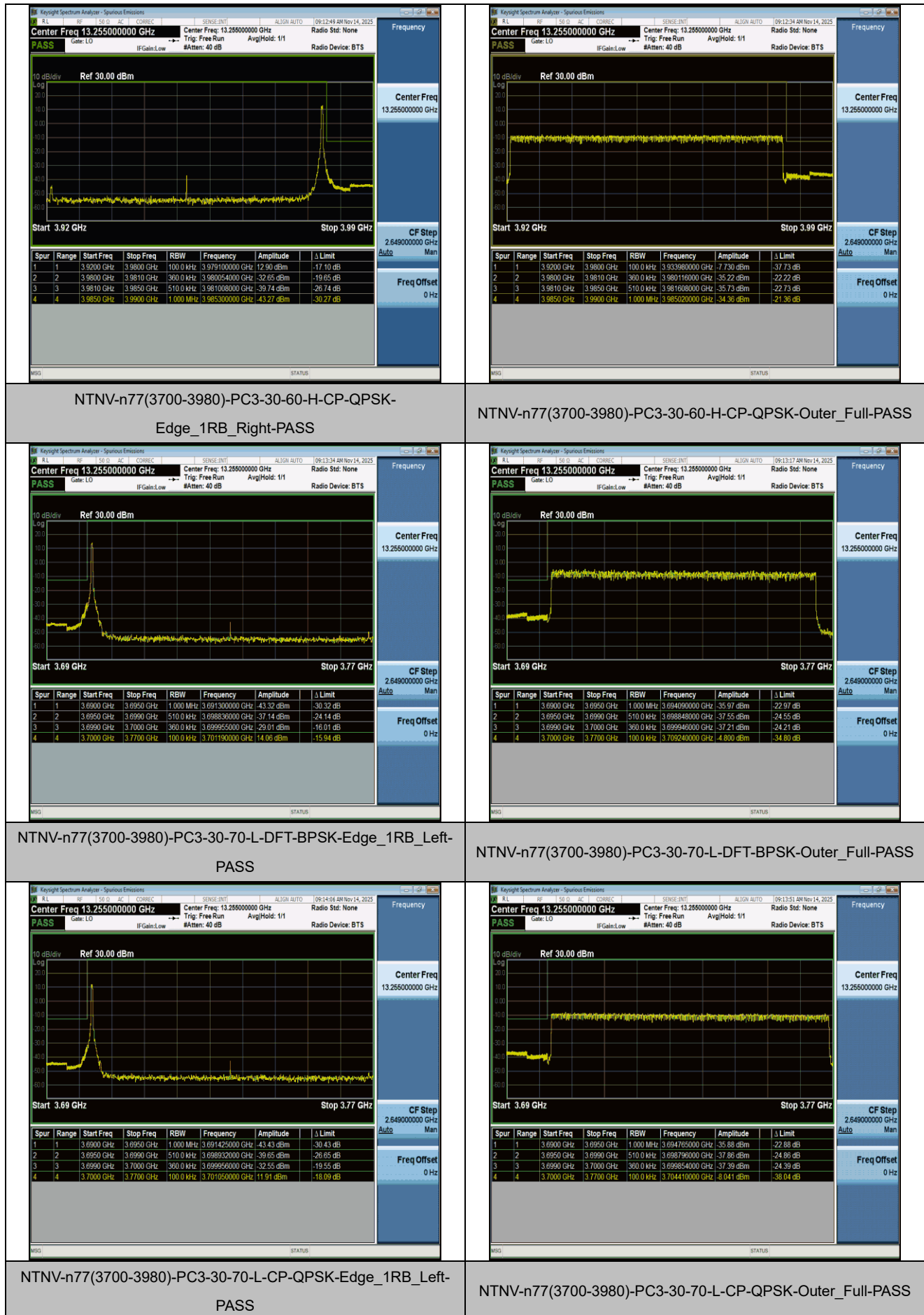


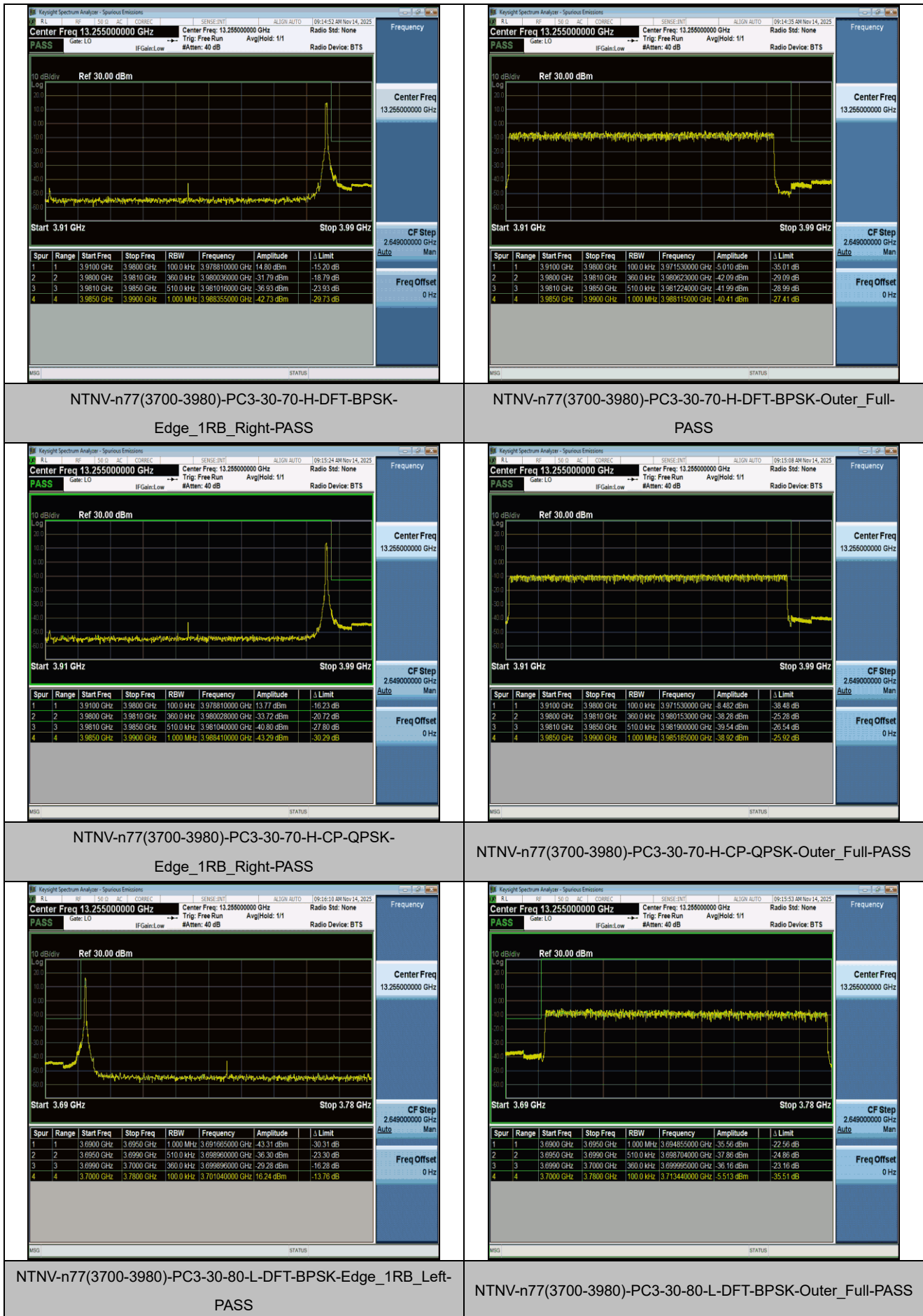
NTNV-n77(3700-3980)-PC3-30-50-H-CP-QPSK-Edge_1RB_Right-PASS



NTNV-n77(3700-3980)-PC3-30-50-H-CP-QPSK-Outer_Full-PASS

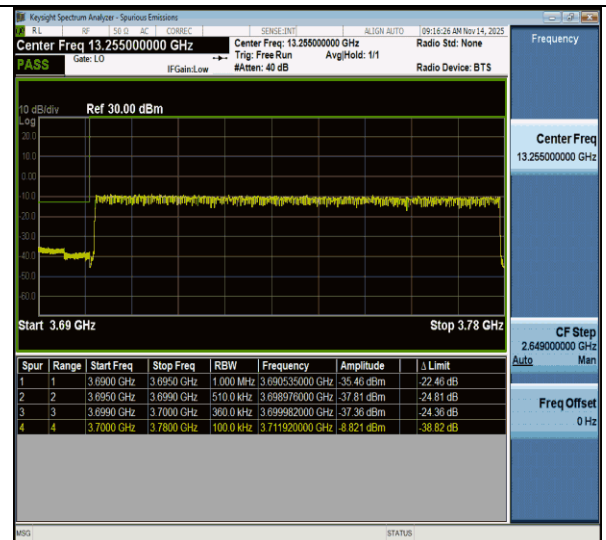




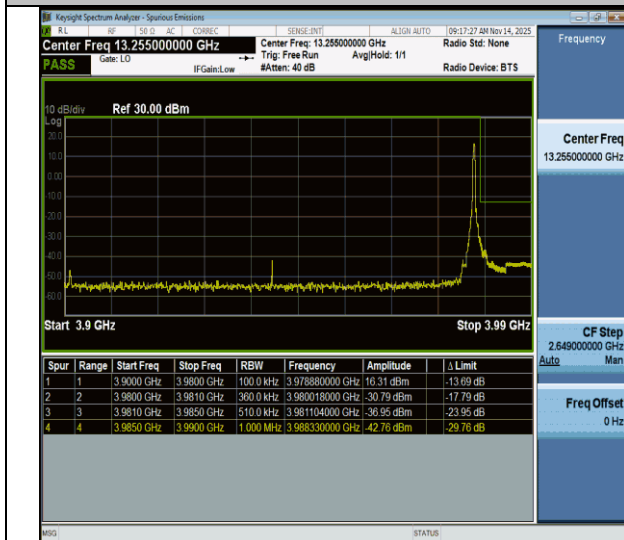




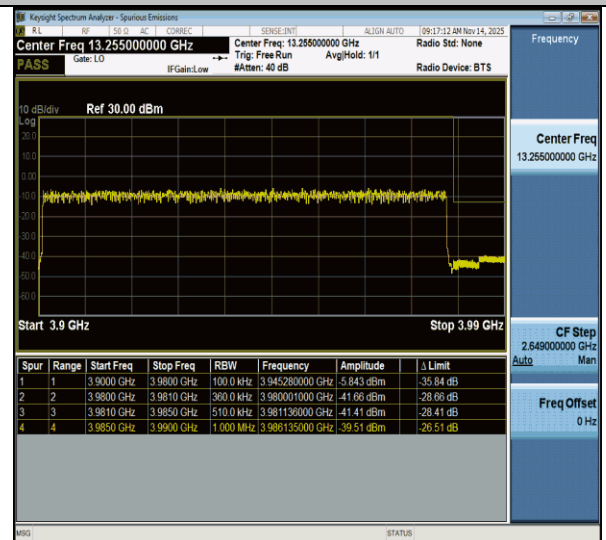
NTNV-n77(3700-3980)-PC3-30-80-L-CP-QPSK-Edge_1RB_Left-PASS



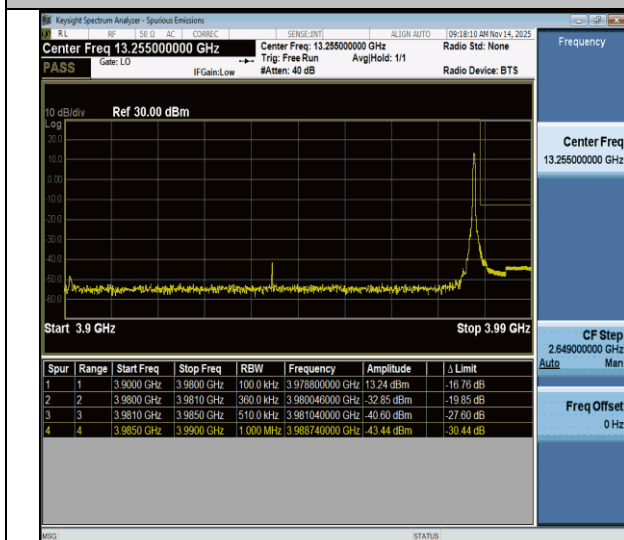
NTNV-n77(3700-3980)-PC3-30-80-L-CP-QPSK-Outer_Full-PASS



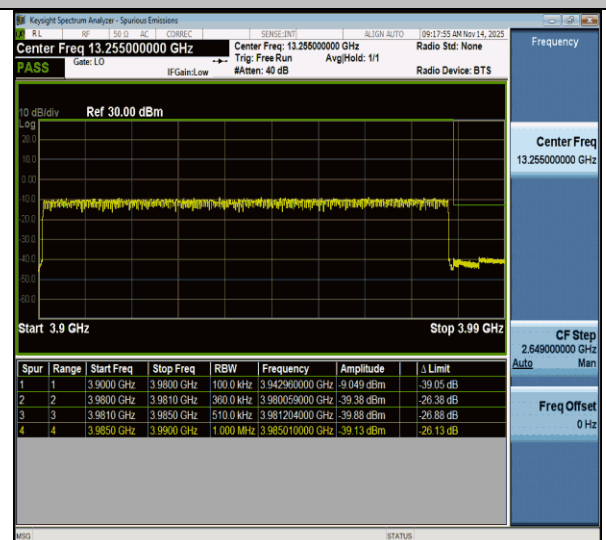
NTNV-n77(3700-3980)-PC3-30-80-H-DFT-BPSK-Edge_1RB_Right-PASS



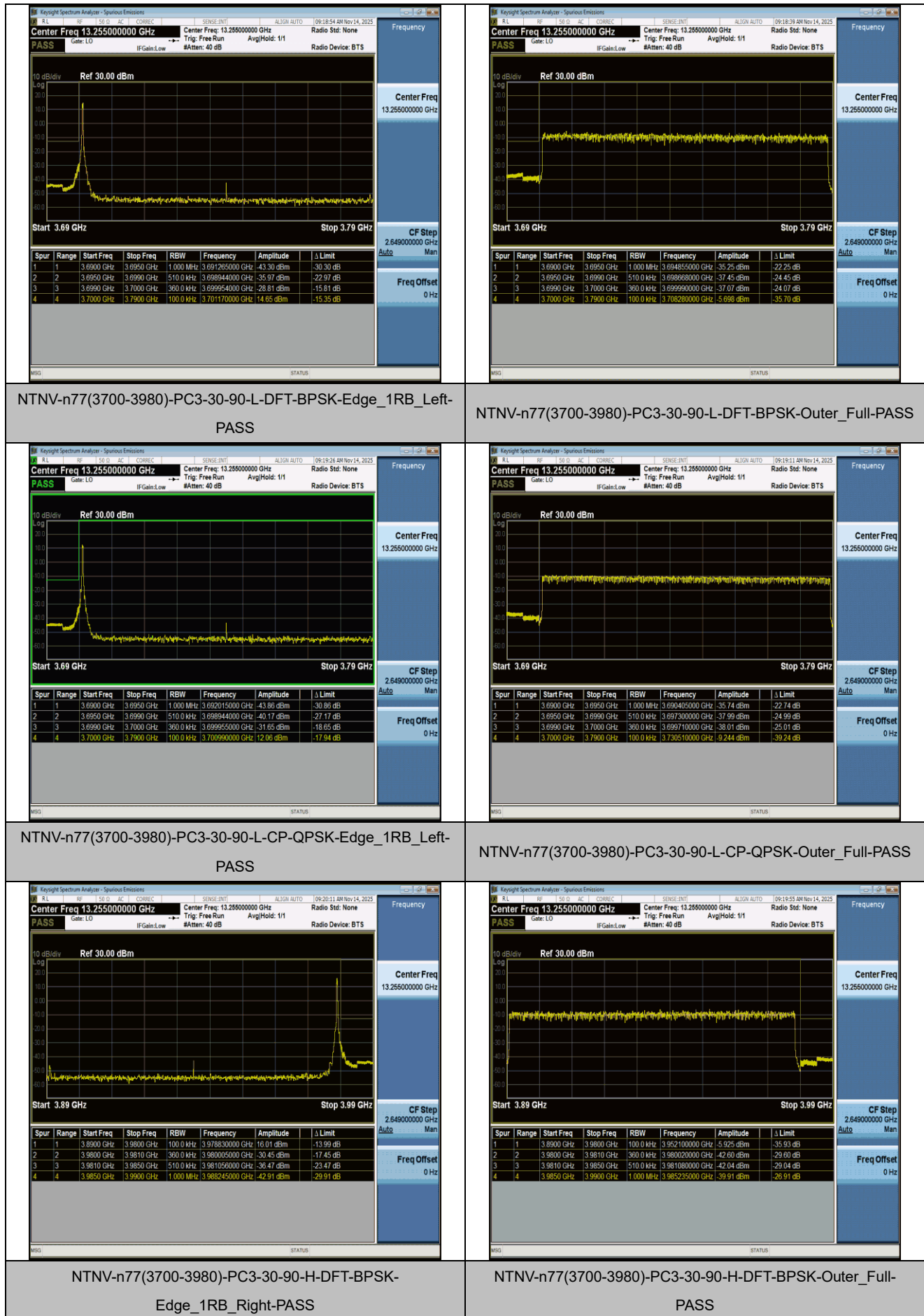
NTNV-n77(3700-3980)-PC3-30-80-H-DFT-BPSK-Outer_Full-PASS

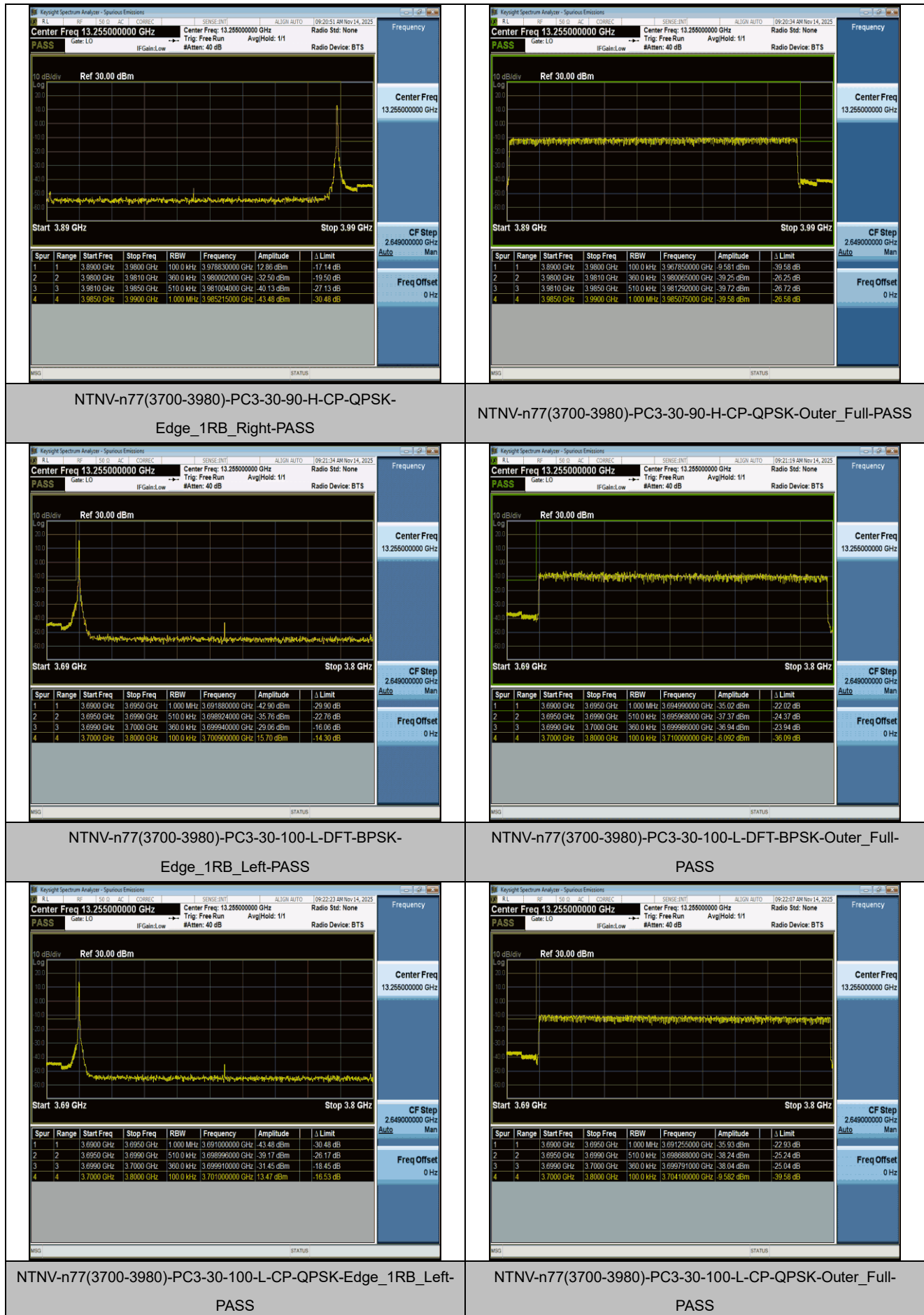


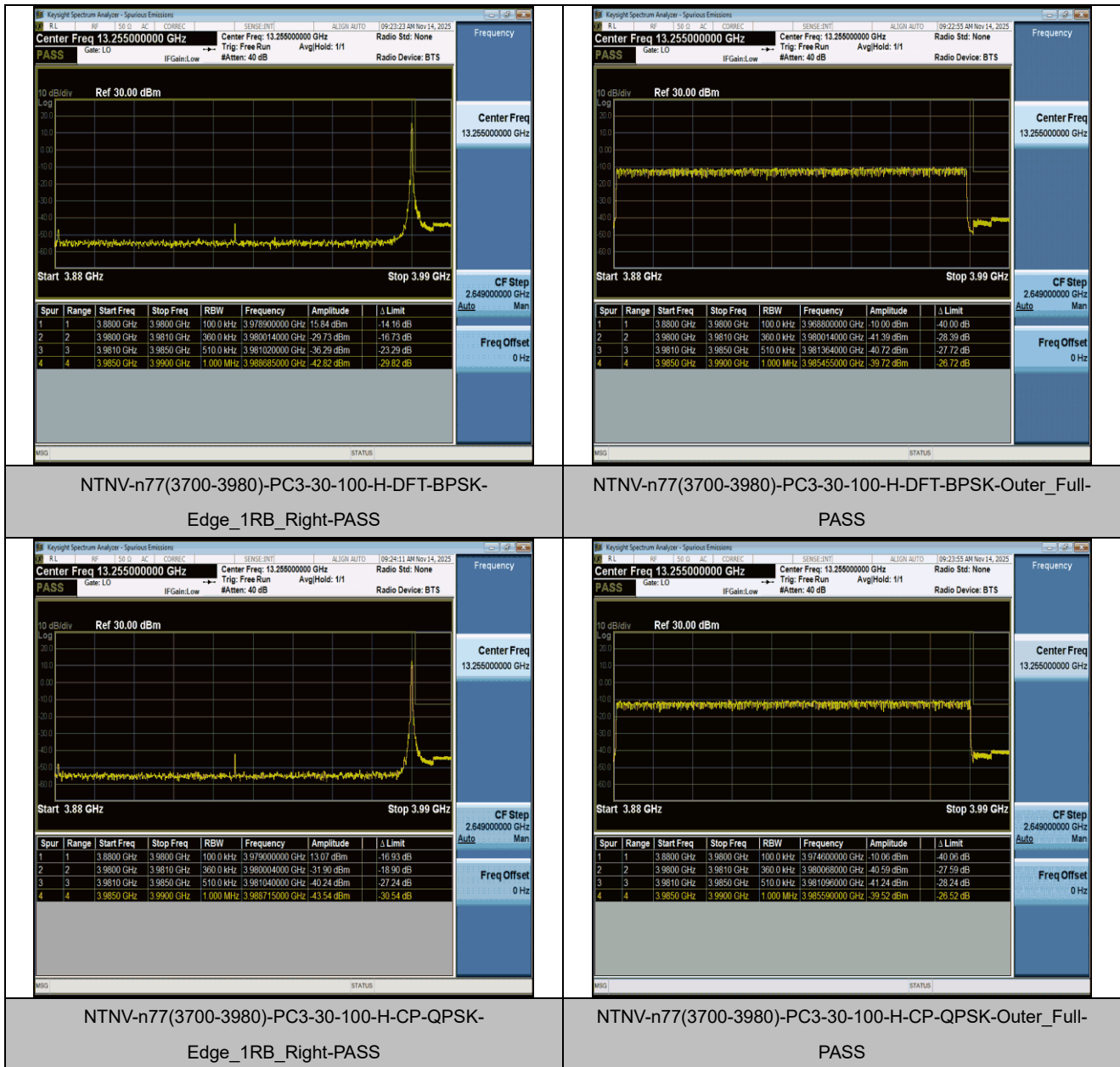
NTNV-n77(3700-3980)-PC3-30-80-H-CP-QPSK-Edge_1RB_Right-PASS



NTNV-n77(3700-3980)-PC3-30-80-H-CP-QPSK-Outer_Full-PASS

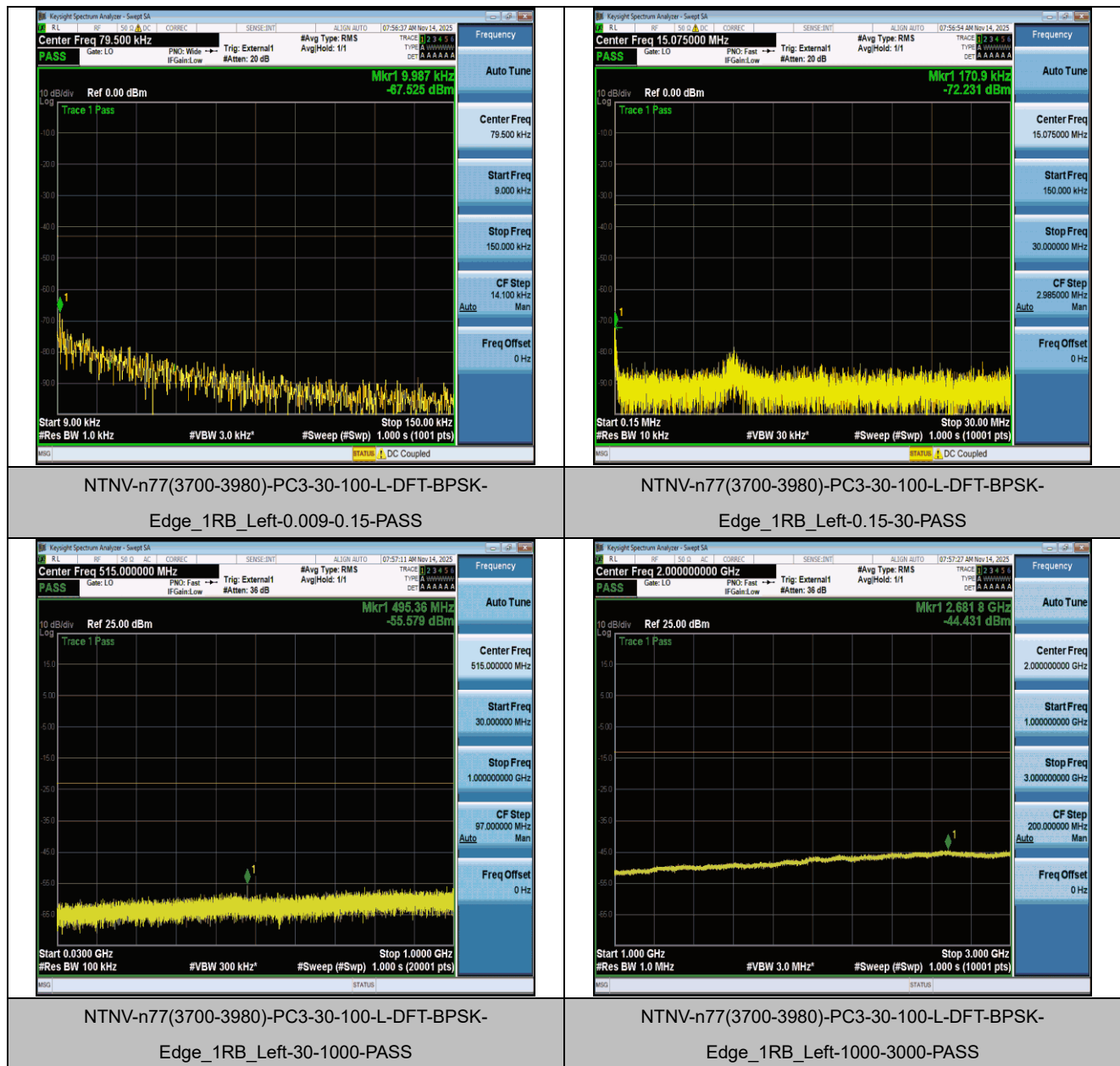


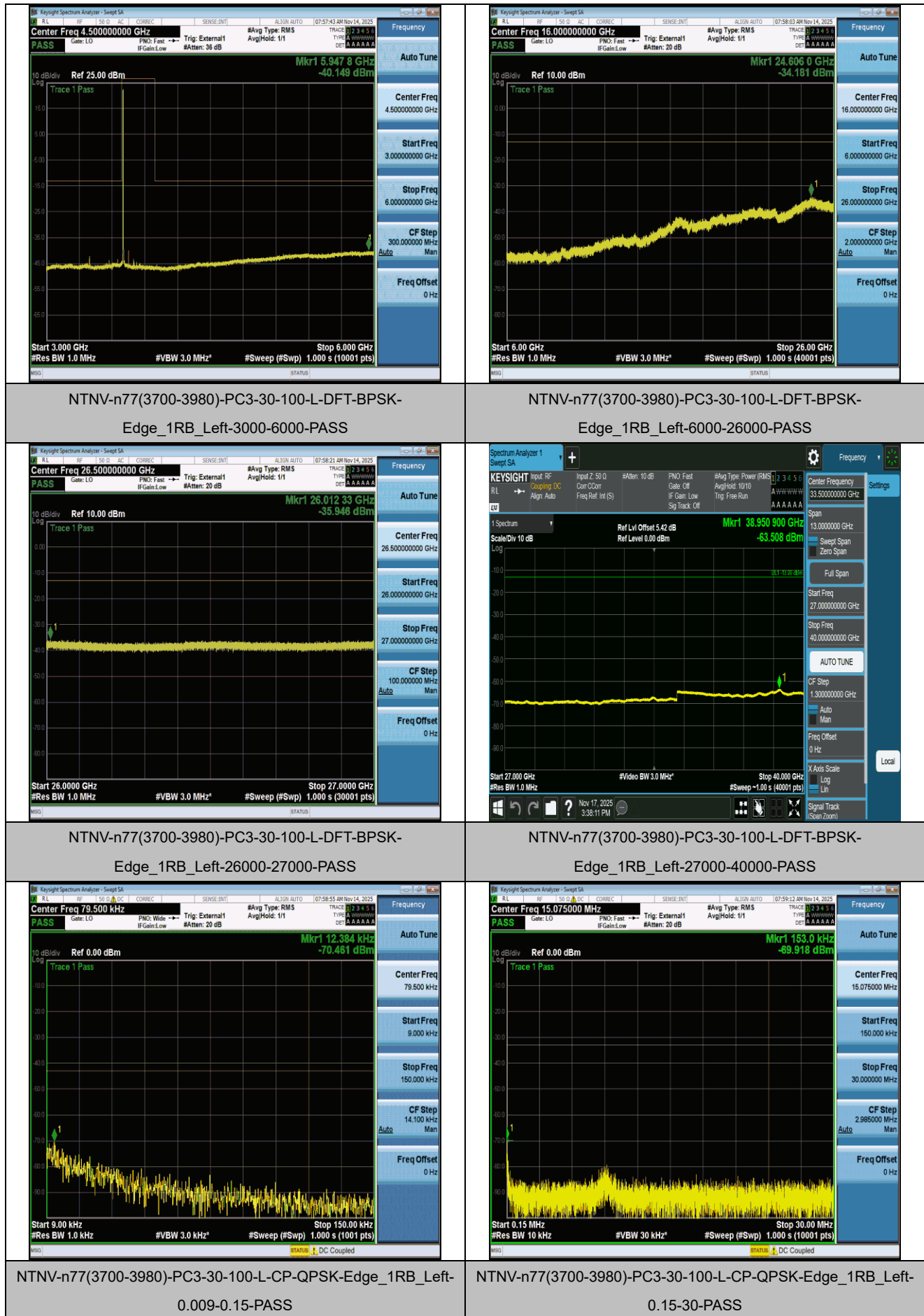


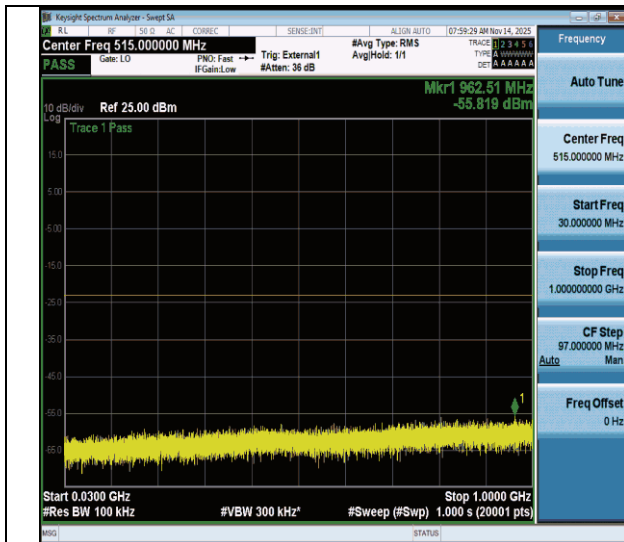


Conducted Spurious Emission for SA

Test Graphs







NTNV-n77(3700-3980)-PC3-30-100-L-CP-QPSK-Edge_1RB_Left-
30-1000-PASS



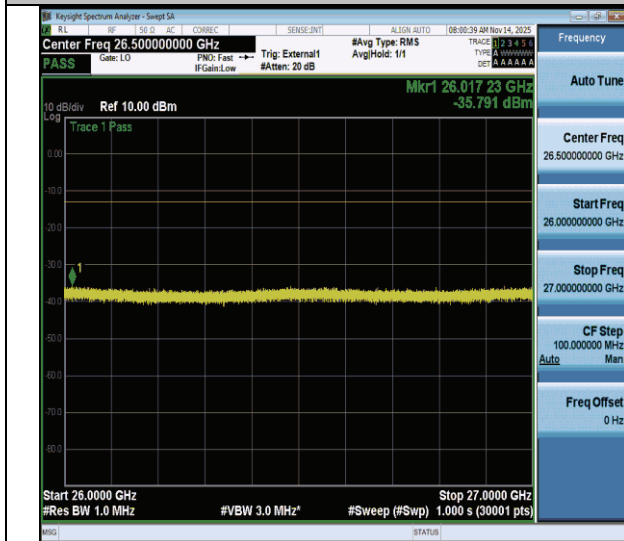
NTNV-n77(3700-3980)-PC3-30-100-L-CP-QPSK-Edge_1RB_Left-
1000-3000-PASS



NTNV-n77(3700-3980)-PC3-30-100-L-CP-QPSK-Edge_1RB_Left-
3000-6000-PASS



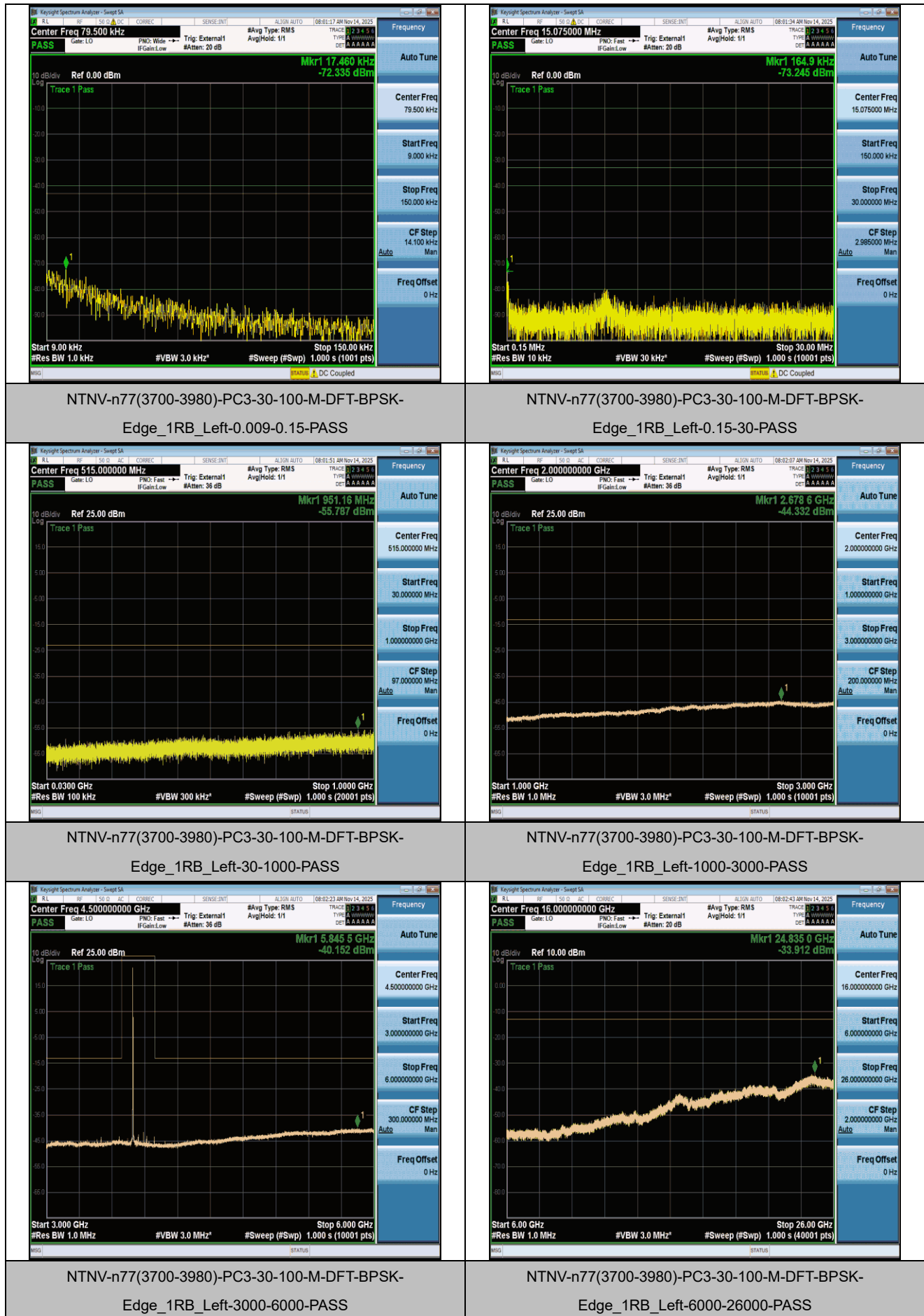
NTNV-n77(3700-3980)-PC3-30-100-L-CP-QPSK-Edge_1RB_Left-
6000-26000-PASS

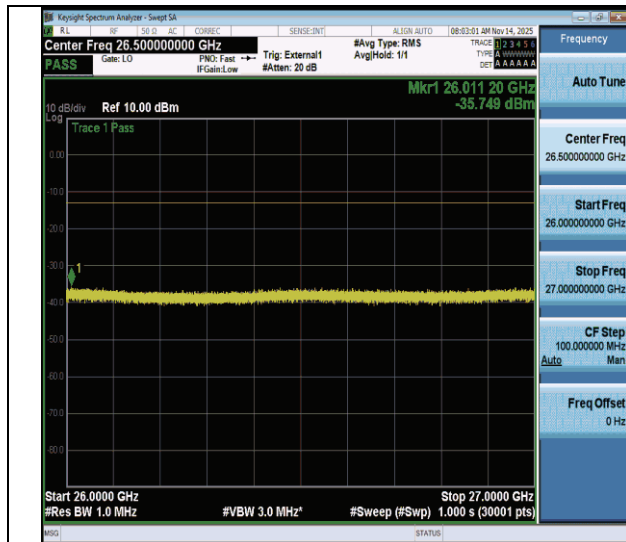
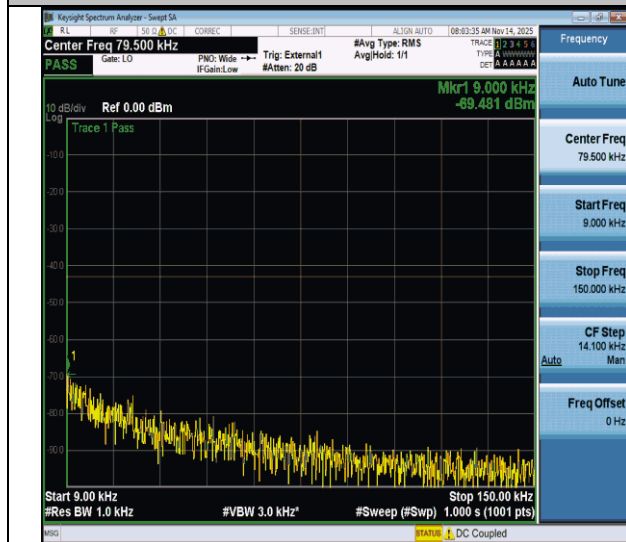
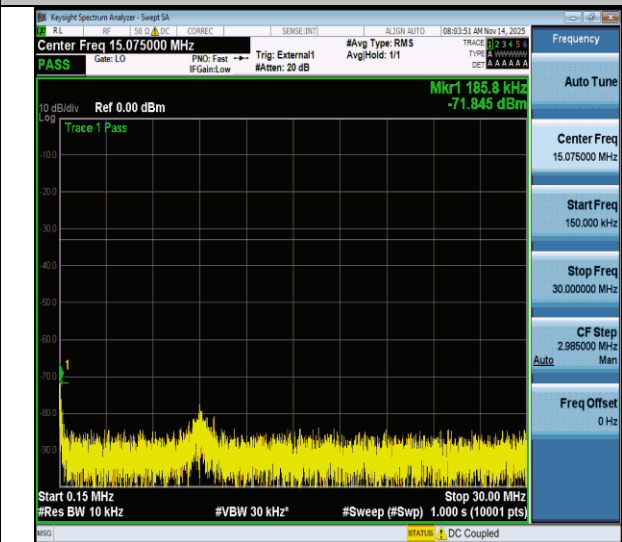


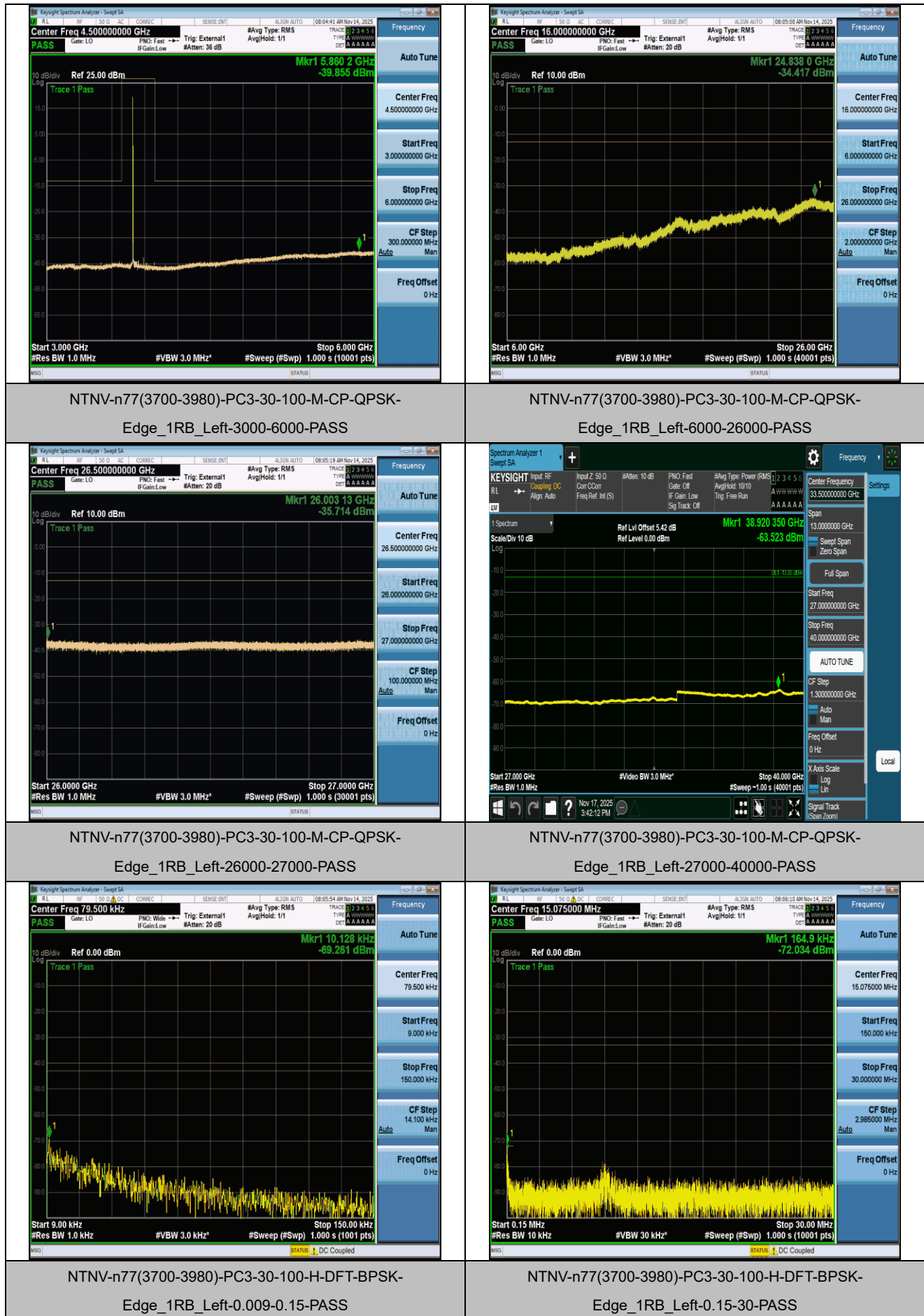
NTNV-n77(3700-3980)-PC3-30-100-L-CP-QPSK-Edge_1RB_Left-
26000-27000-PASS

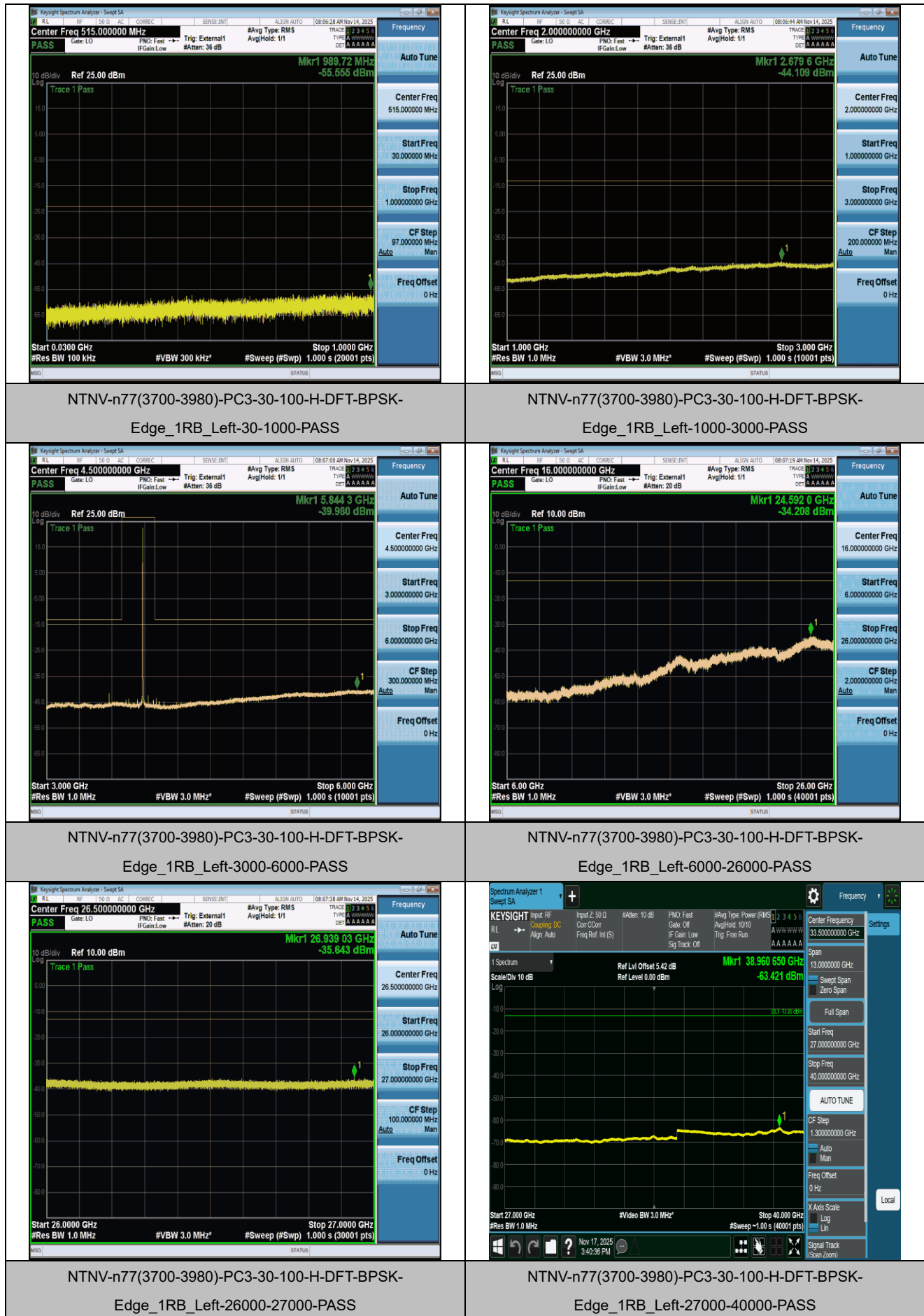


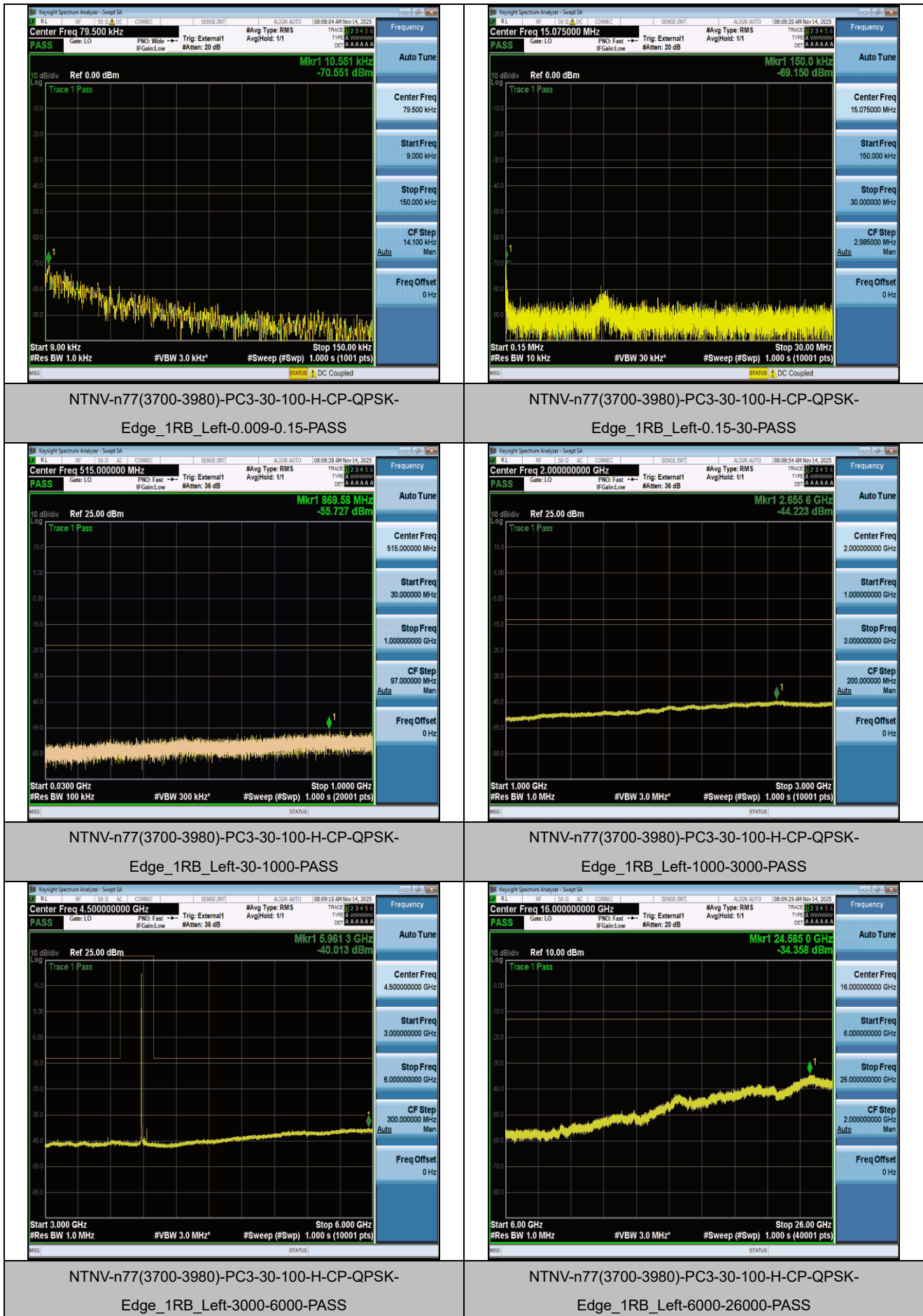
NTNV-n77(3700-3980)-PC3-30-100-L-CP-QPSK-Edge_1RB_Left-
27000-40000-PASS

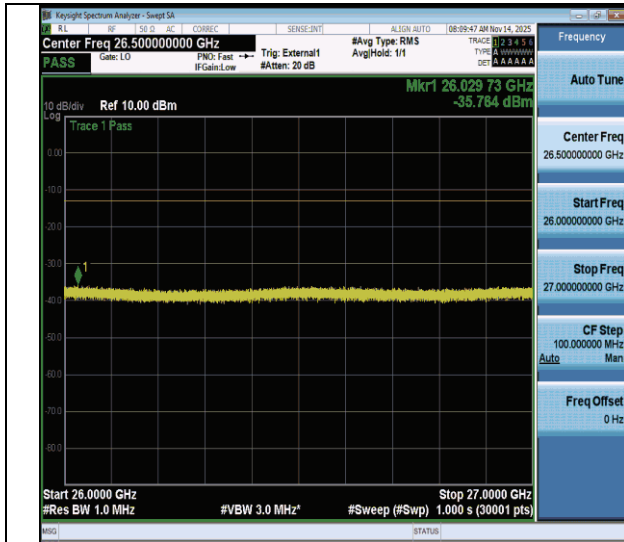


NTNV-n77(3700-3980)-PC3-30-100-M-DFT-BPSK-
Edge_1RB_Left-26000-27000-PASSNTNV-n77(3700-3980)-PC3-30-100-M-DFT-BPSK-
Edge_1RB_Left-27000-40000-PASSNTNV-n77(3700-3980)-PC3-30-100-M-CP-QPSK-
Edge_1RB_Left-0.009-0.15-PASSNTNV-n77(3700-3980)-PC3-30-100-M-CP-QPSK-
Edge_1RB_Left-0.15-30-PASSNTNV-n77(3700-3980)-PC3-30-100-M-CP-QPSK-
Edge_1RB_Left-30-1000-PASSNTNV-n77(3700-3980)-PC3-30-100-M-CP-QPSK-
Edge_1RB_Left-1000-3000-PASS









NTNV-n77(3700-3980)-PC3-30-100-H-CP-QPSK-
Edge_1RB_Left-26000-27000-PASS



NTNV-n77(3700-3980)-PC3-30-100-H-CP-QPSK-
Edge_1RB_Left-27000-40000-PASS

Frequency Stability for SA

Test Result

Frequency Error VS. Voltage

Voltage										
Band	SCS	Bandwidth	Modulation	Channel	RB Config	Voltage	Temp	Deviation (Hz)	Deviation (ppm)	Verdict
n77(3700-3980)	30	100	DFT-BPSK	M	Outer_Full	VL	NT	-5.3	-0.00138	PASS
n77(3700-3980)	30	100	DFT-BPSK	M	Outer_Full	VN	NT	-7.1	-0.001849	PASS
n77(3700-3980)	30	100	DFT-BPSK	M	Outer_Full	VH	NT	-16.4	-0.004271	PASS
n77(3700-3980)	30	100	CP-QPSK	M	Outer_Full	VL	NT	-11.1	-0.002891	PASS
n77(3700-3980)	30	100	CP-QPSK	M	Outer_Full	VN	NT	-2.9	-0.000755	PASS
n77(3700-3980)	30	100	CP-QPSK	M	Outer_Full	VH	NT	-6.4	-0.001667	PASS

Frequency Error VS. Temperature

Temperature										
Band	SCS	Bandwidth	Modulation	Channel	RB Config	Voltage	Temp	Deviation (Hz)	Deviation (ppm)	Verdict
n77(3700-3980)	30	100	DFT-BPSK	M	Outer_Full	NV	-30	1.3	0.000339	PASS
n77(3700-3980)	30	100	DFT-BPSK	M	Outer_Full	NV	-20	-5.5	-0.001432	PASS
n77(3700-3980)	30	100	DFT-BPSK	M	Outer_Full	NV	-10	-8.2	-0.002135	PASS
n77(3700-3980)	30	100	DFT-BPSK	M	Outer_Full	NV	0	-7.8	-0.002031	PASS
n77(3700-3980)	30	100	DFT-BPSK	M	Outer_Full	NV	10	-0.7	-0.000182	PASS
n77(3700-3980)	30	100	DFT-BPSK	M	Outer_Full	NV	20	-5.5	-0.001432	PASS
n77(3700-3980)	30	100	DFT-BPSK	M	Outer_Full	NV	30	-3.6	-0.000938	PASS
n77(3700-3980)	30	100	DFT-BPSK	M	Outer_Full	NV	40	-9	-0.002344	PASS
n77(3700-3980)	30	100	DFT-BPSK	M	Outer_Full	NV	50	-24.7	-0.006432	PASS
n77(3700-3980)	30	100	CP-QPSK	M	Outer_Full	NV	-30	-1.4	-0.000365	PASS
n77(3700-3980)	30	100	CP-QPSK	M	Outer_Full	NV	-20	-5	-0.001302	PASS
n77(3700-3980)	30	100	CP-QPSK	M	Outer_Full	NV	-10	-10.2	-0.002656	PASS
n77(3700-3980)	30	100	CP-QPSK	M	Outer_Full	NV	0	-16.8	-0.004375	PASS
n77(3700-3980)	30	100	CP-QPSK	M	Outer_Full	NV	10	-9.1	-0.00237	PASS
n77(3700-3980)	30	100	CP-QPSK	M	Outer_Full	NV	20	-5	-0.001302	PASS
n77(3700-3980)	30	100	CP-QPSK	M	Outer_Full	NV	30	-6.9	-0.001797	PASS
n77(3700-3980)	30	100	CP-QPSK	M	Outer_Full	NV	40	-14.4	-0.00375	PASS
n77(3700-3980)	30	100	CP-QPSK	M	Outer_Full	NV	50	-6.5	-0.001693	PASS

~The End~