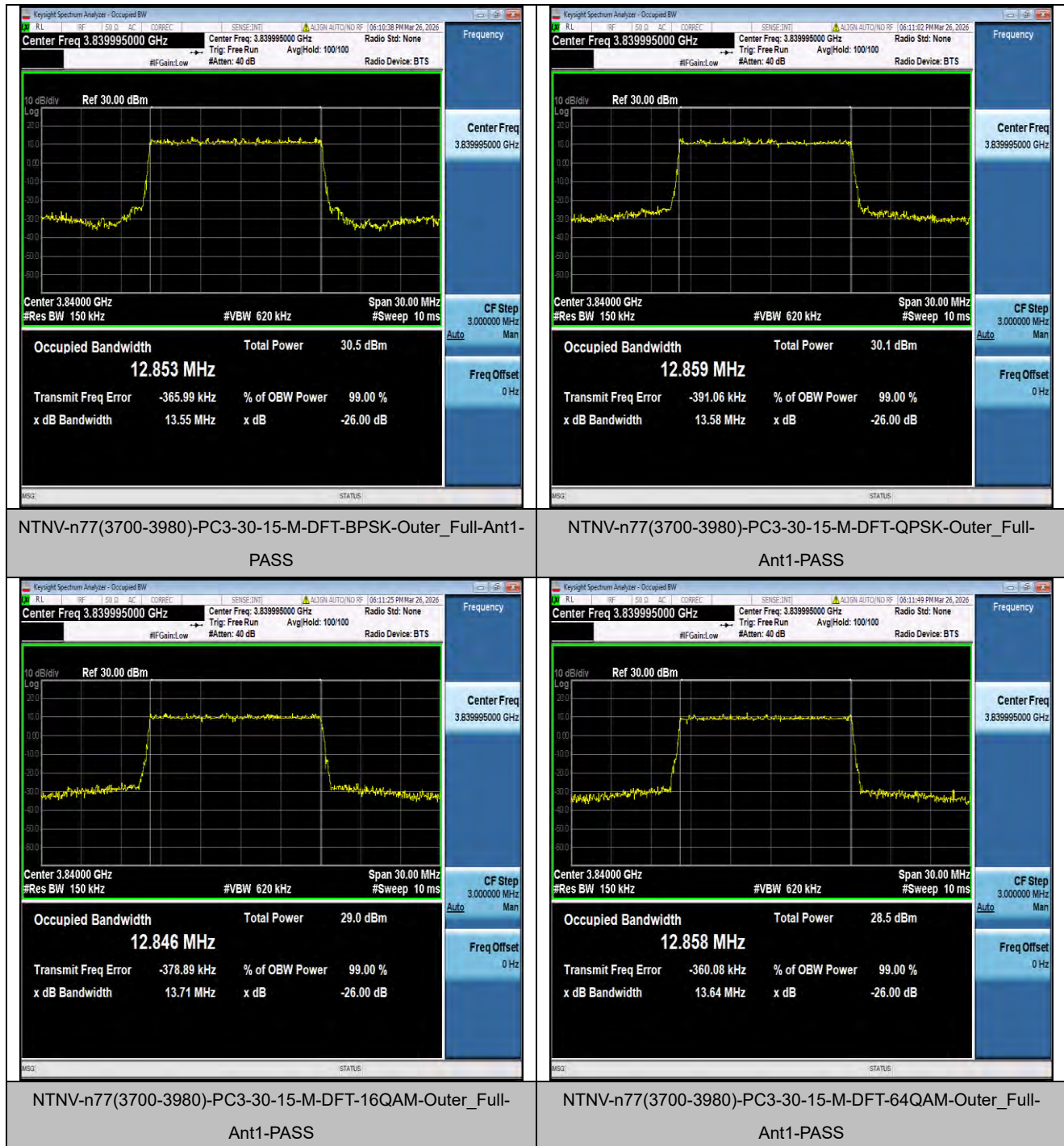
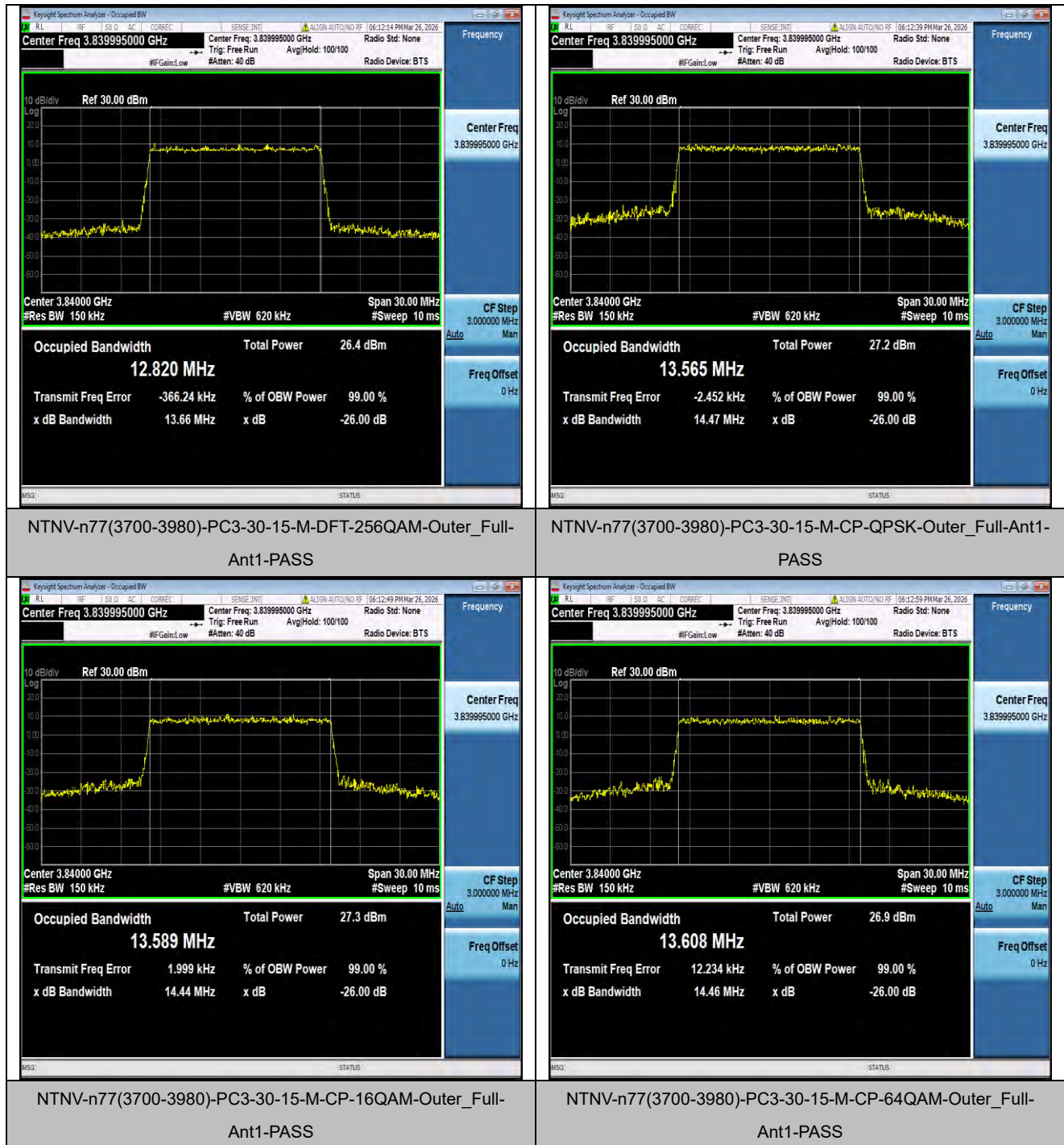
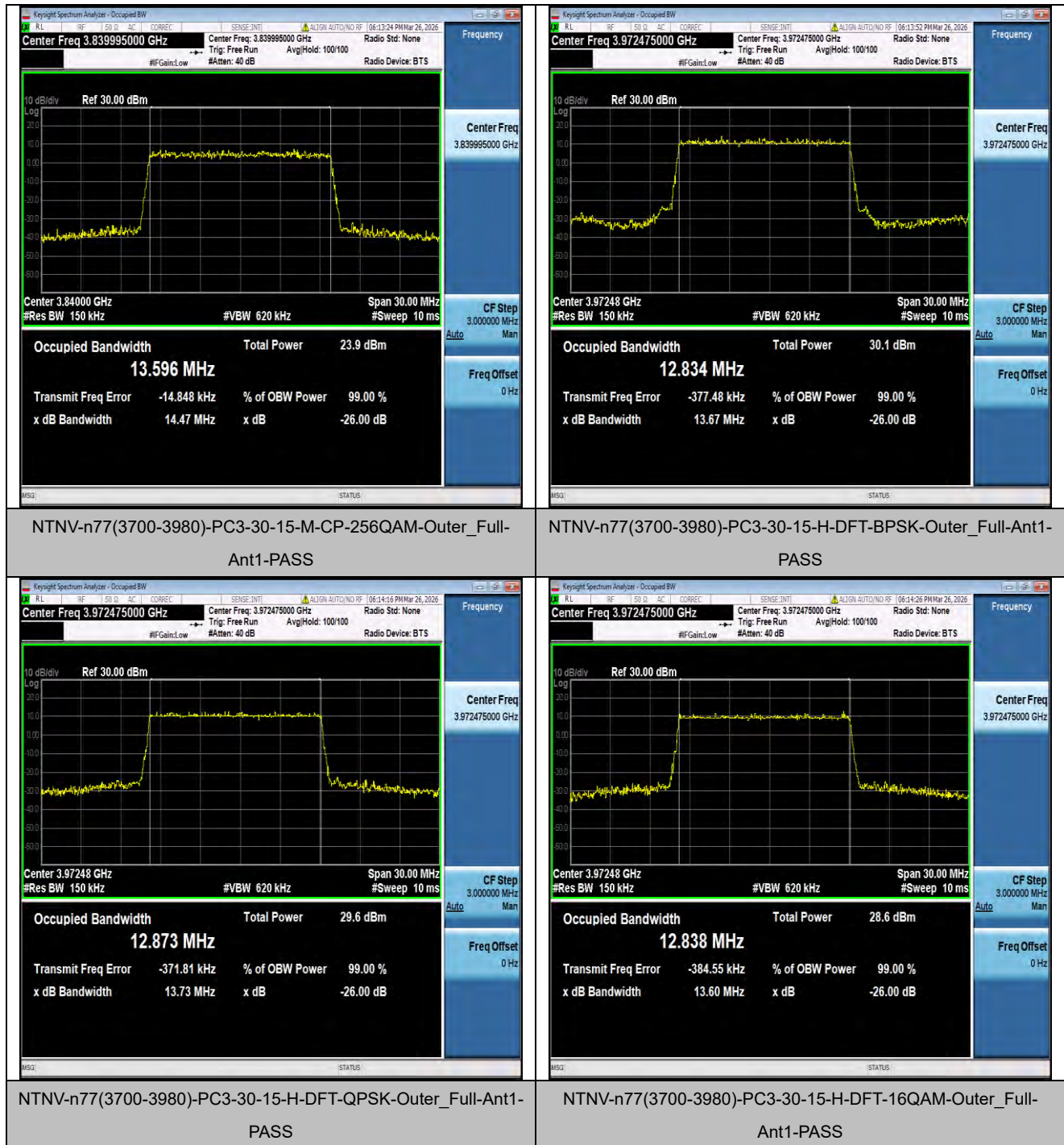
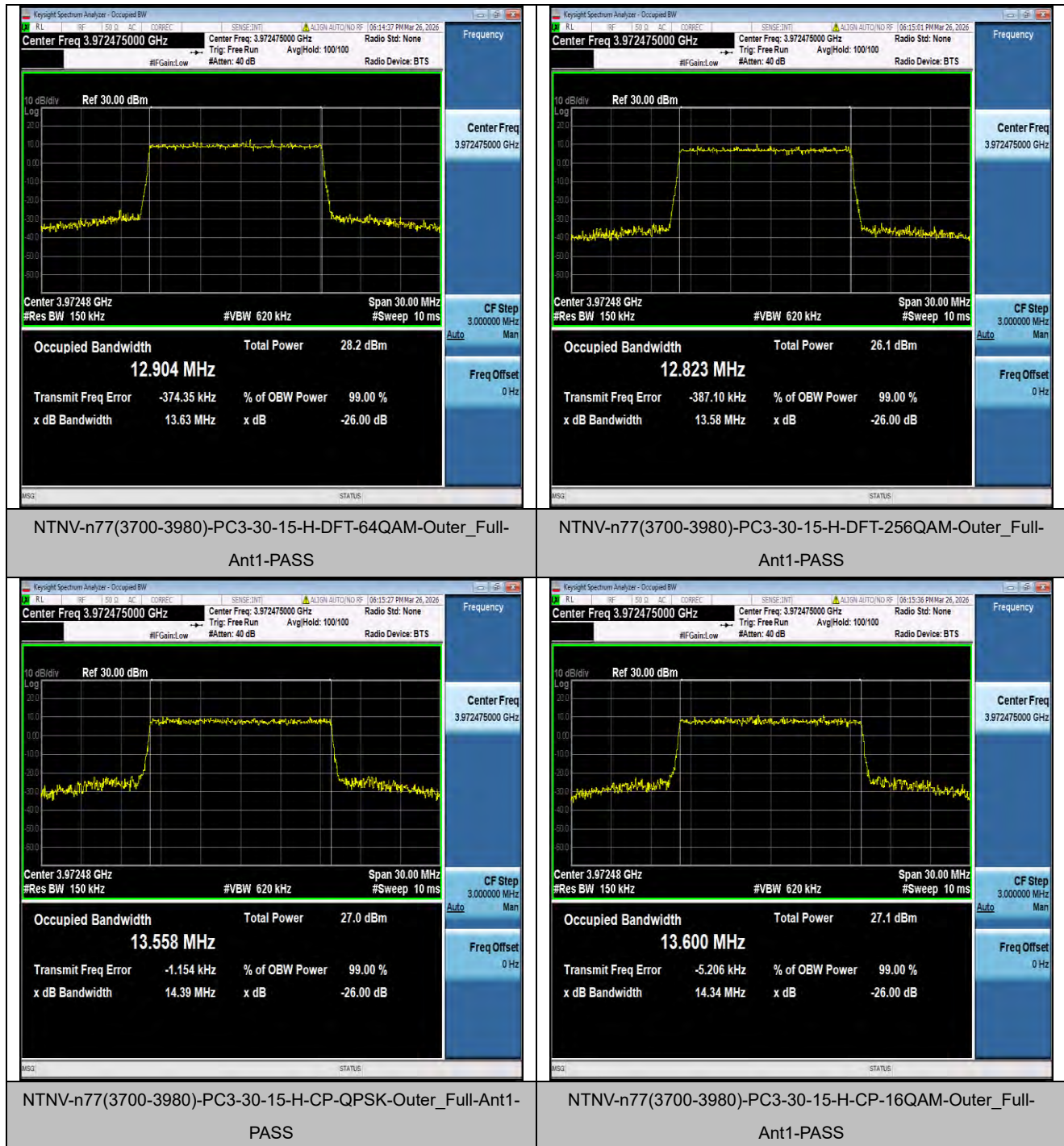
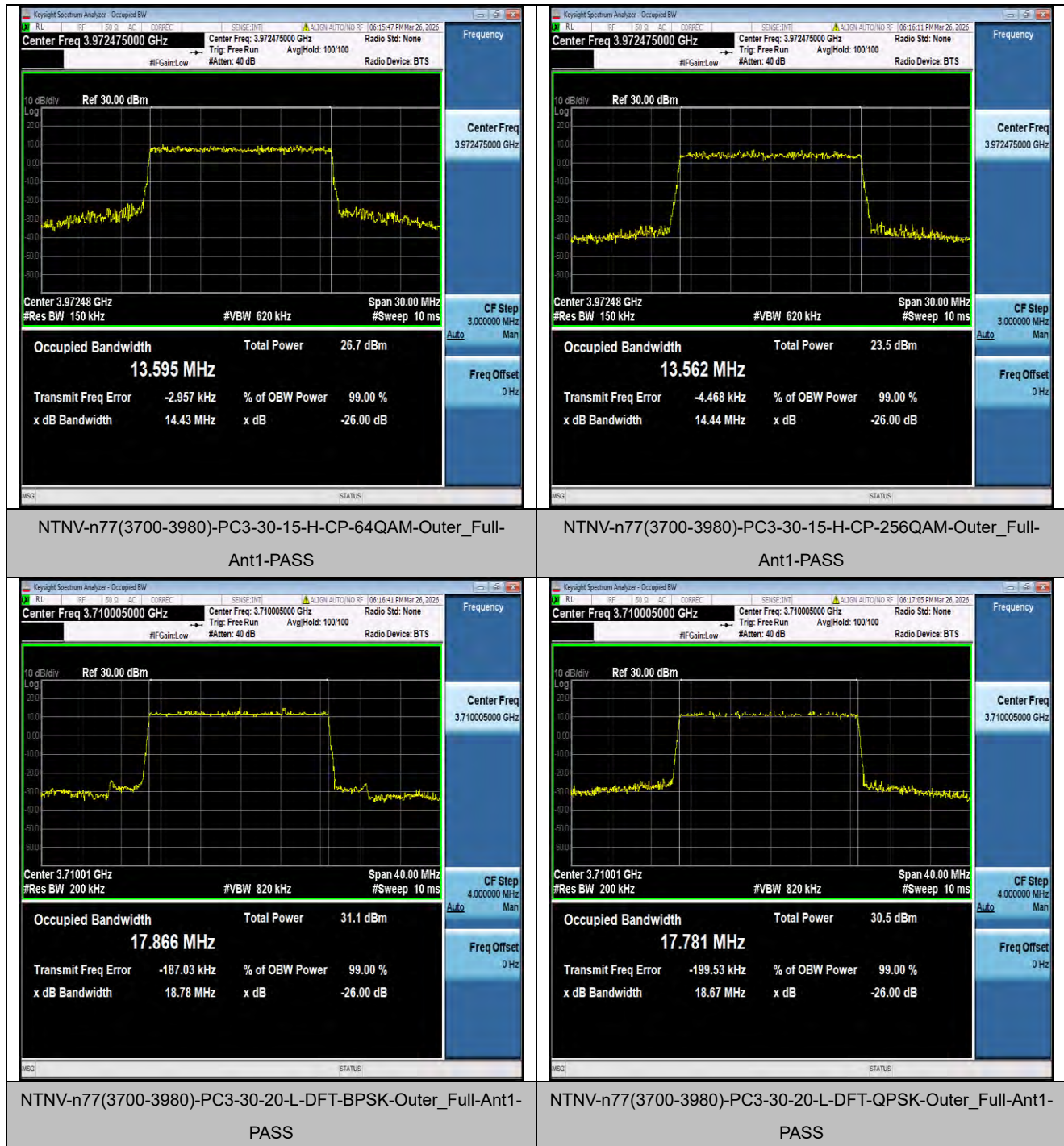


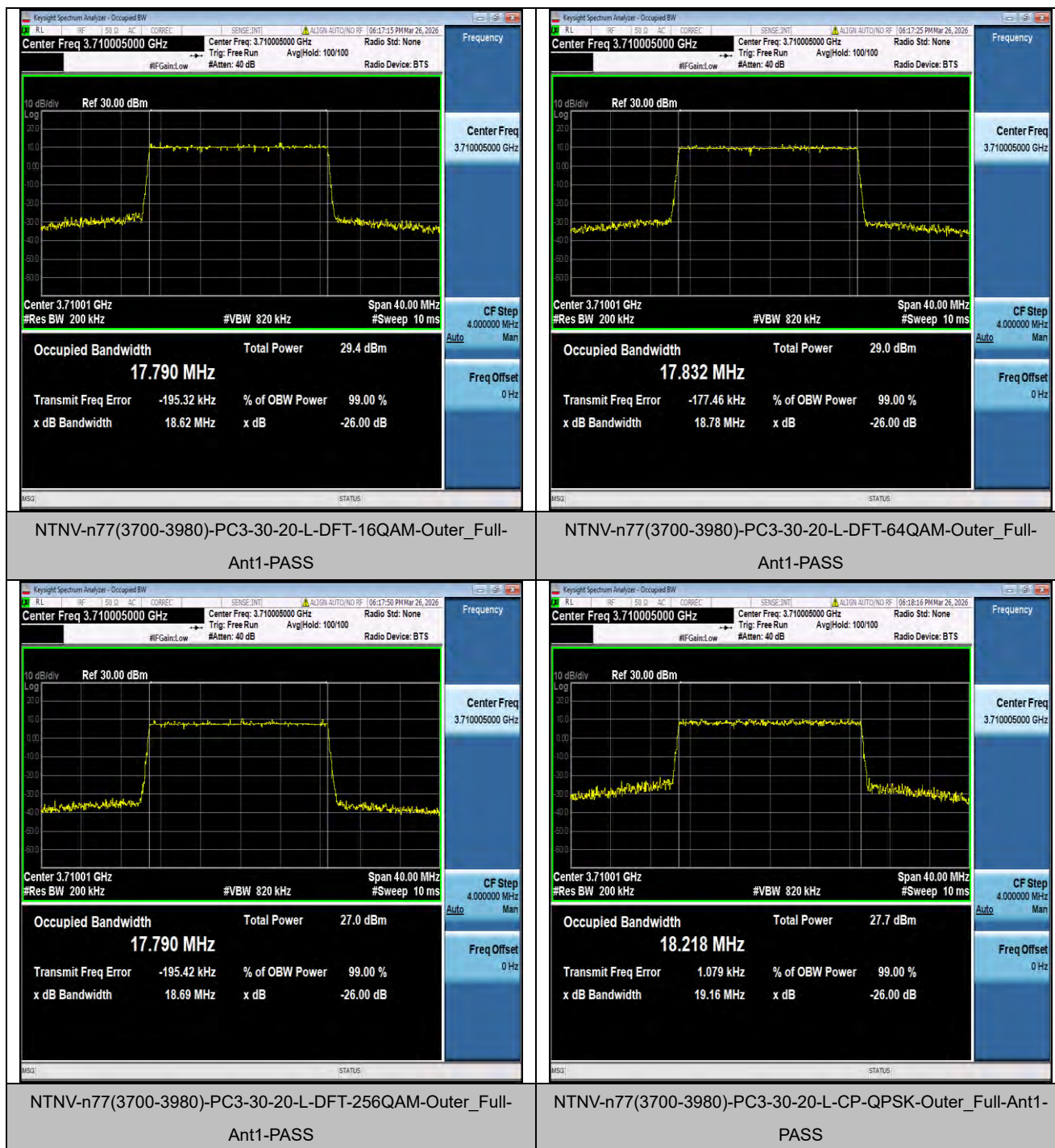


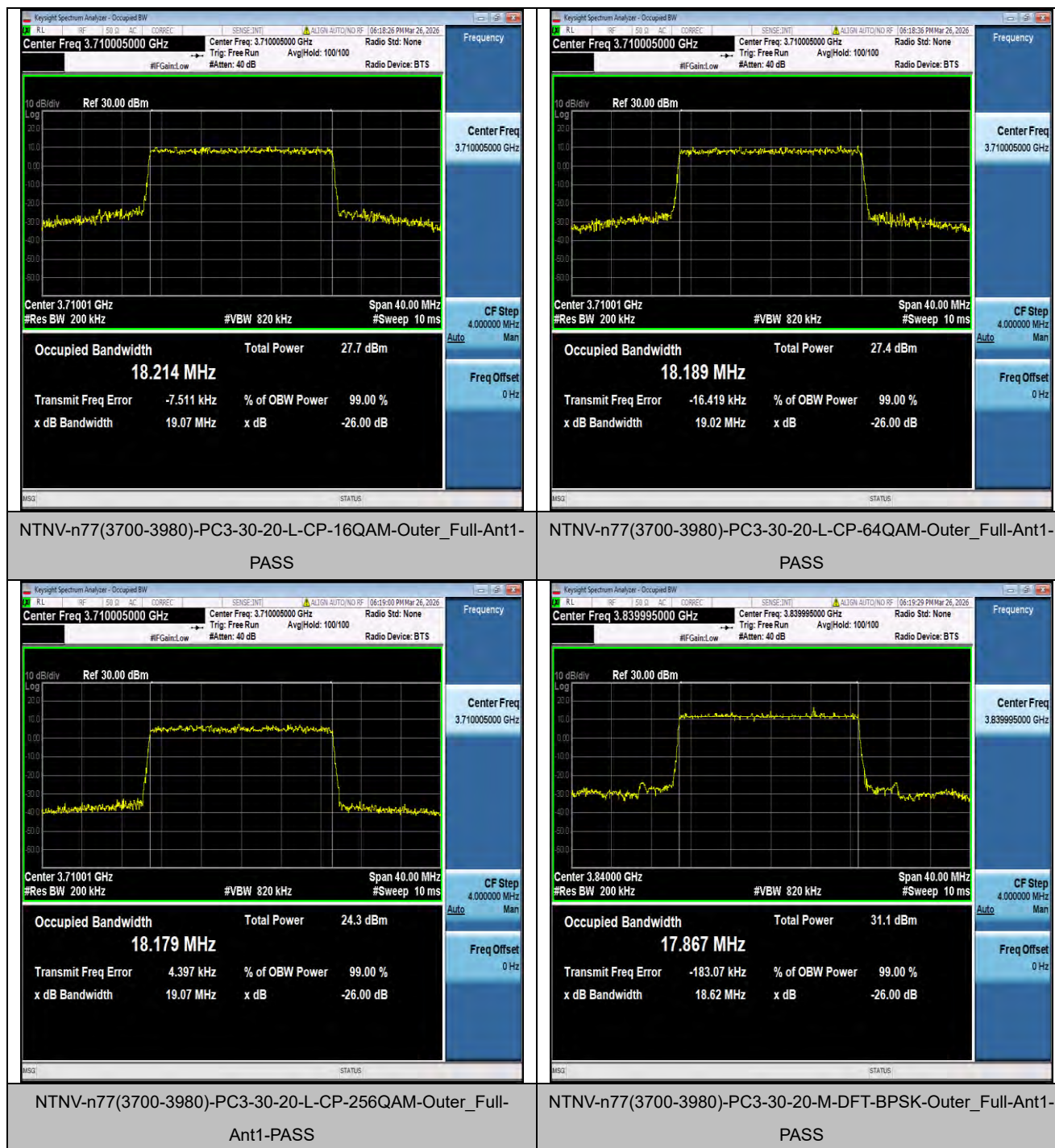


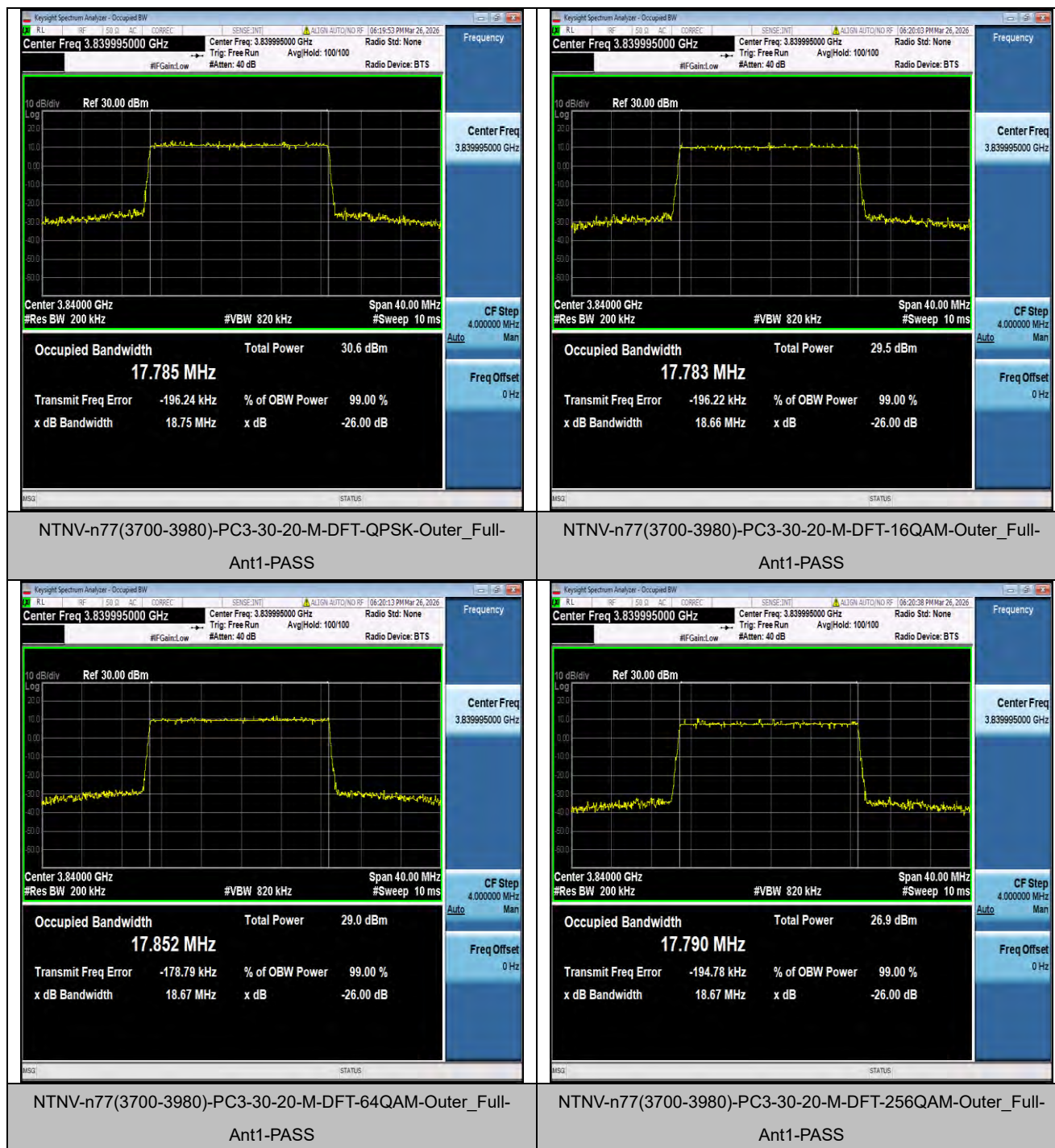


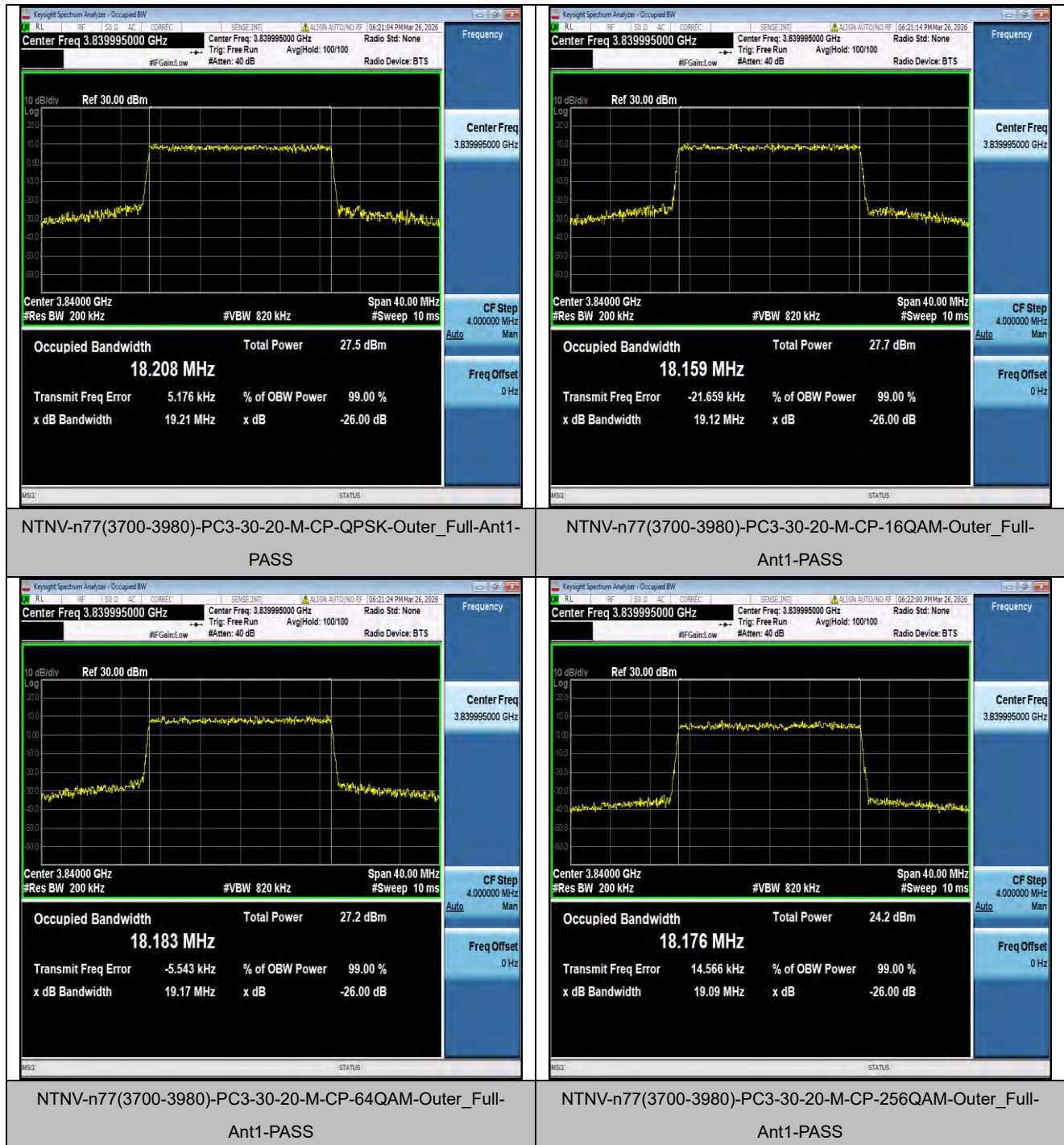


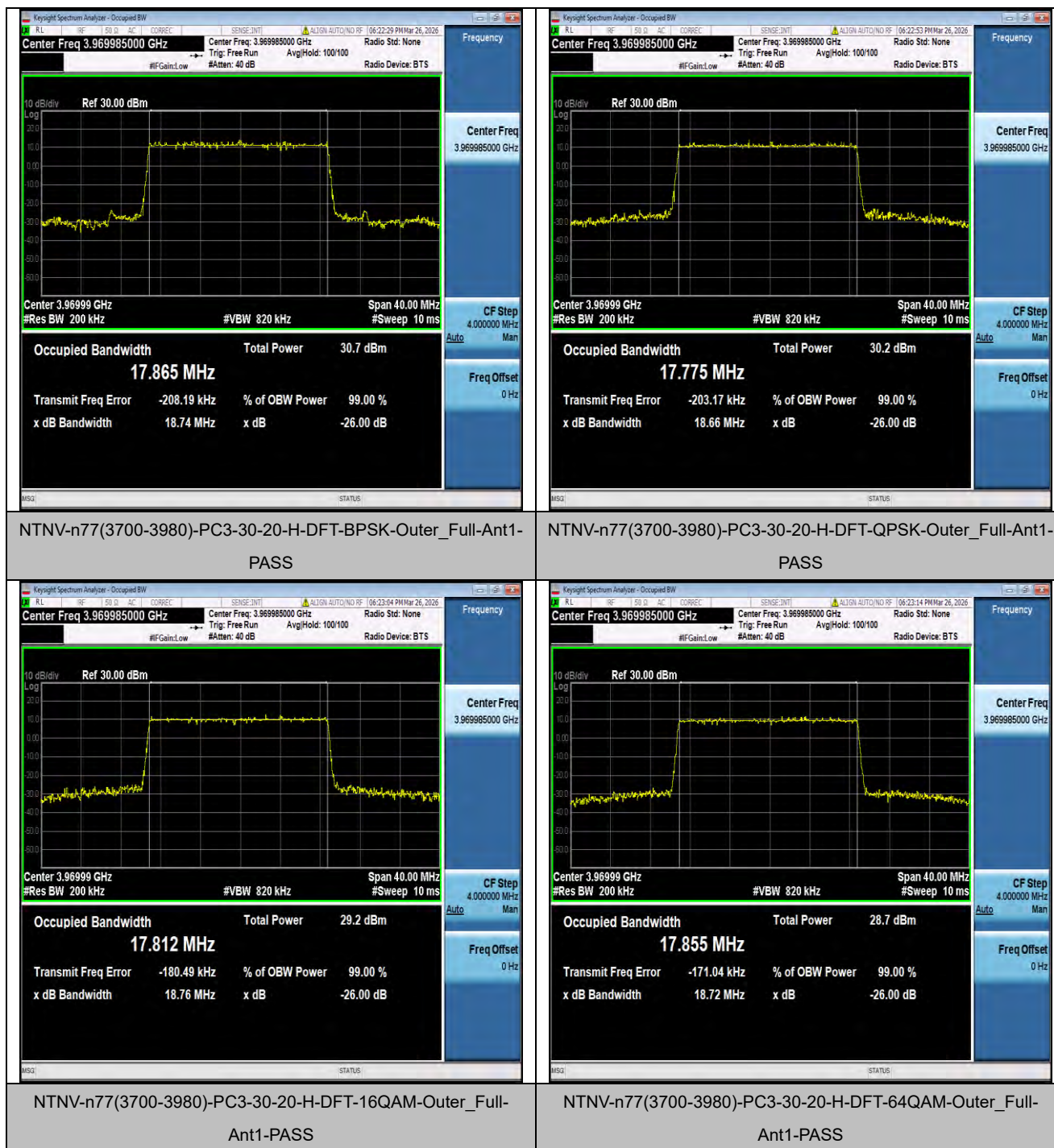


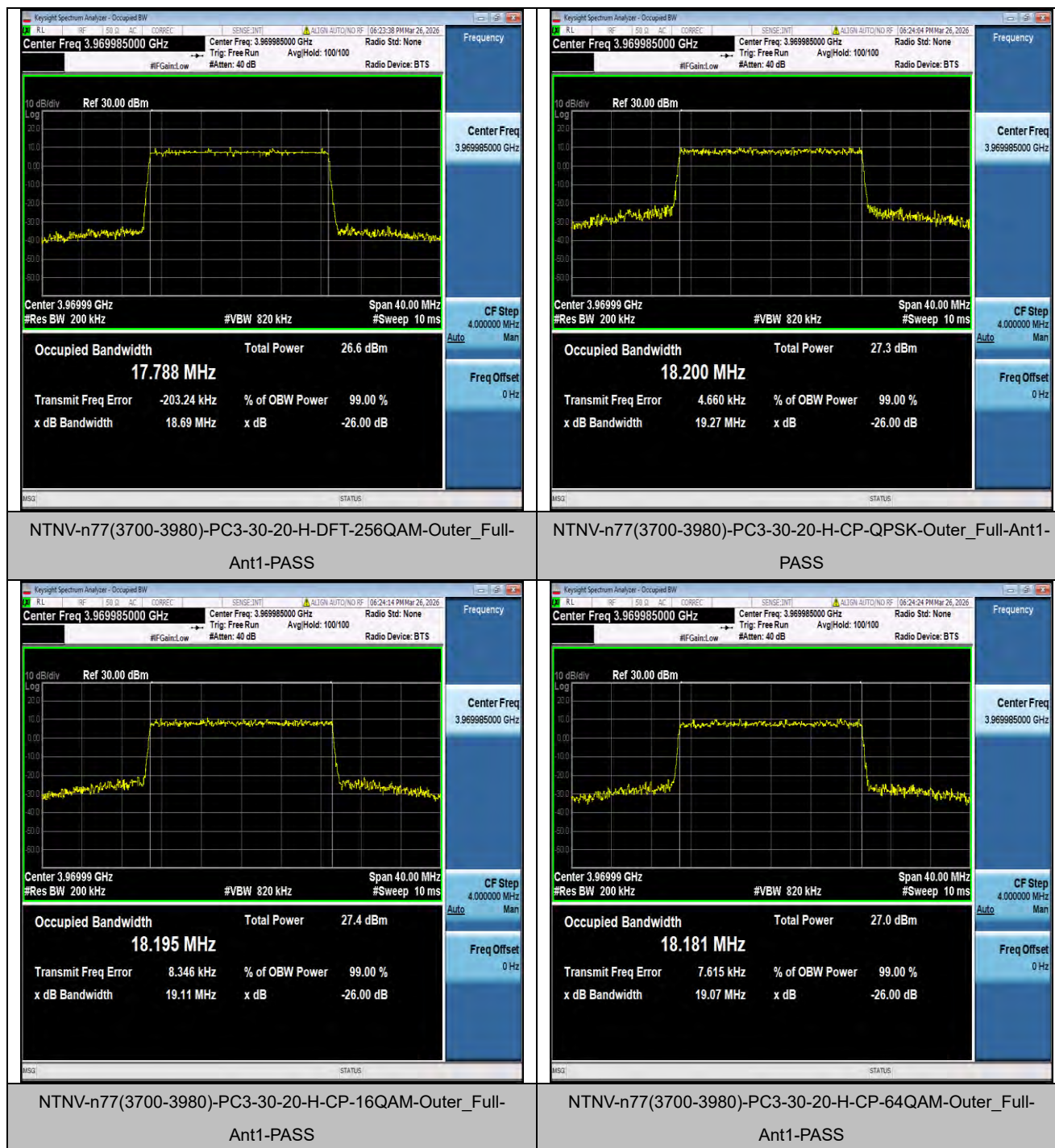


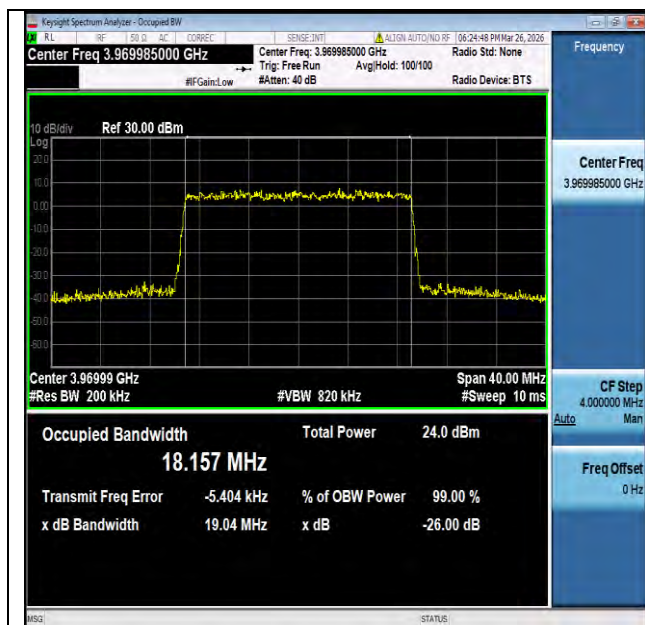








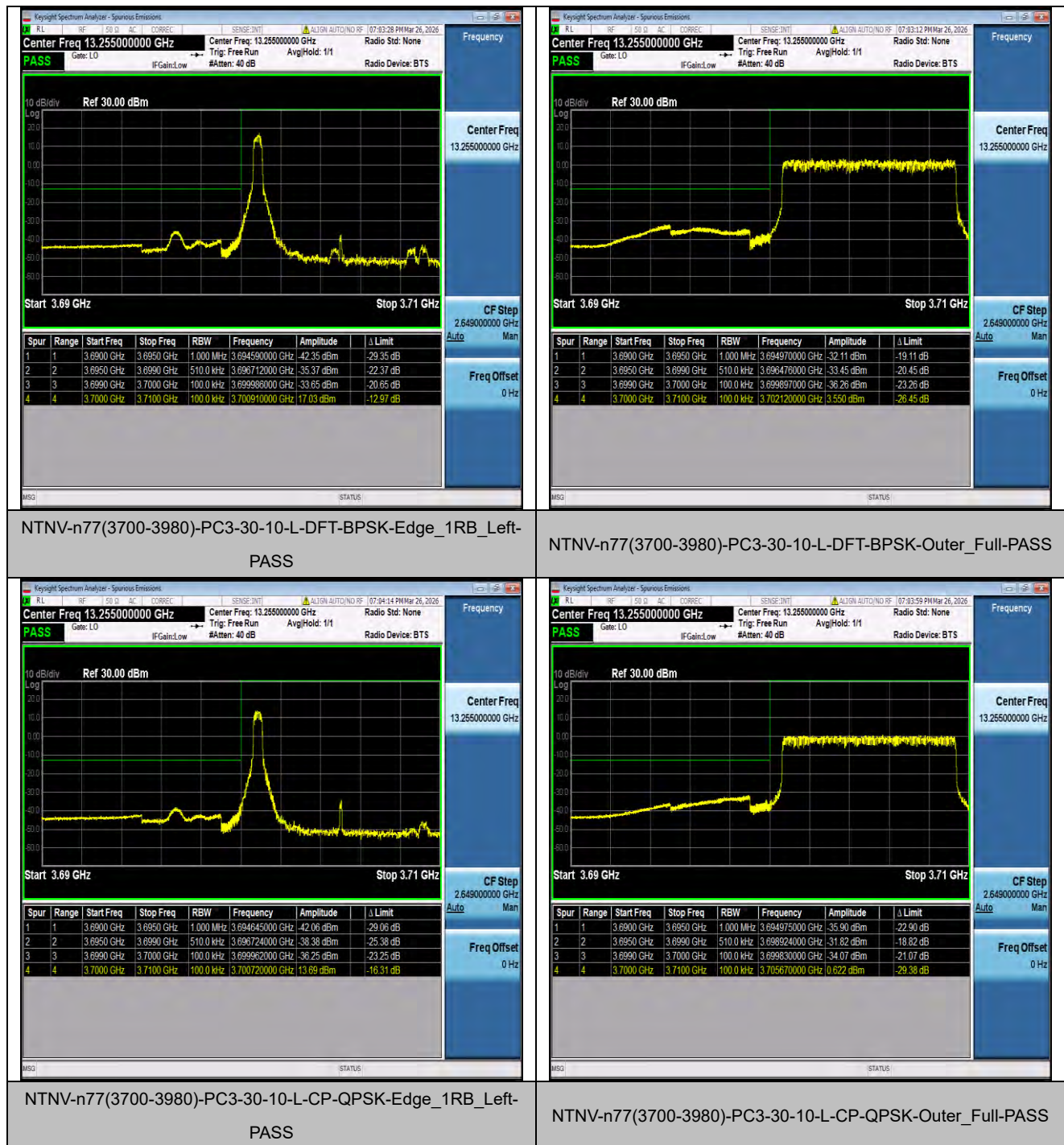


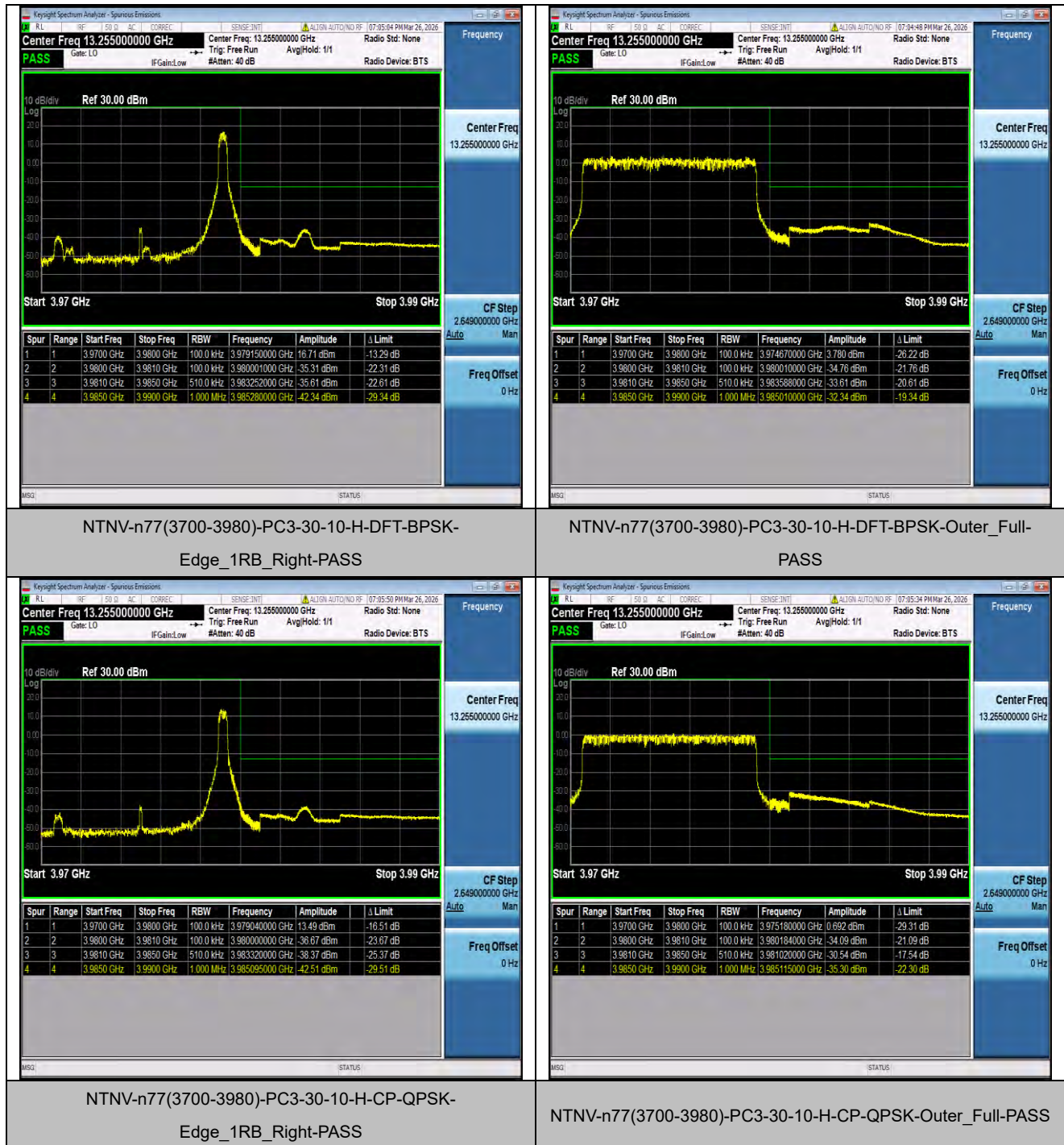


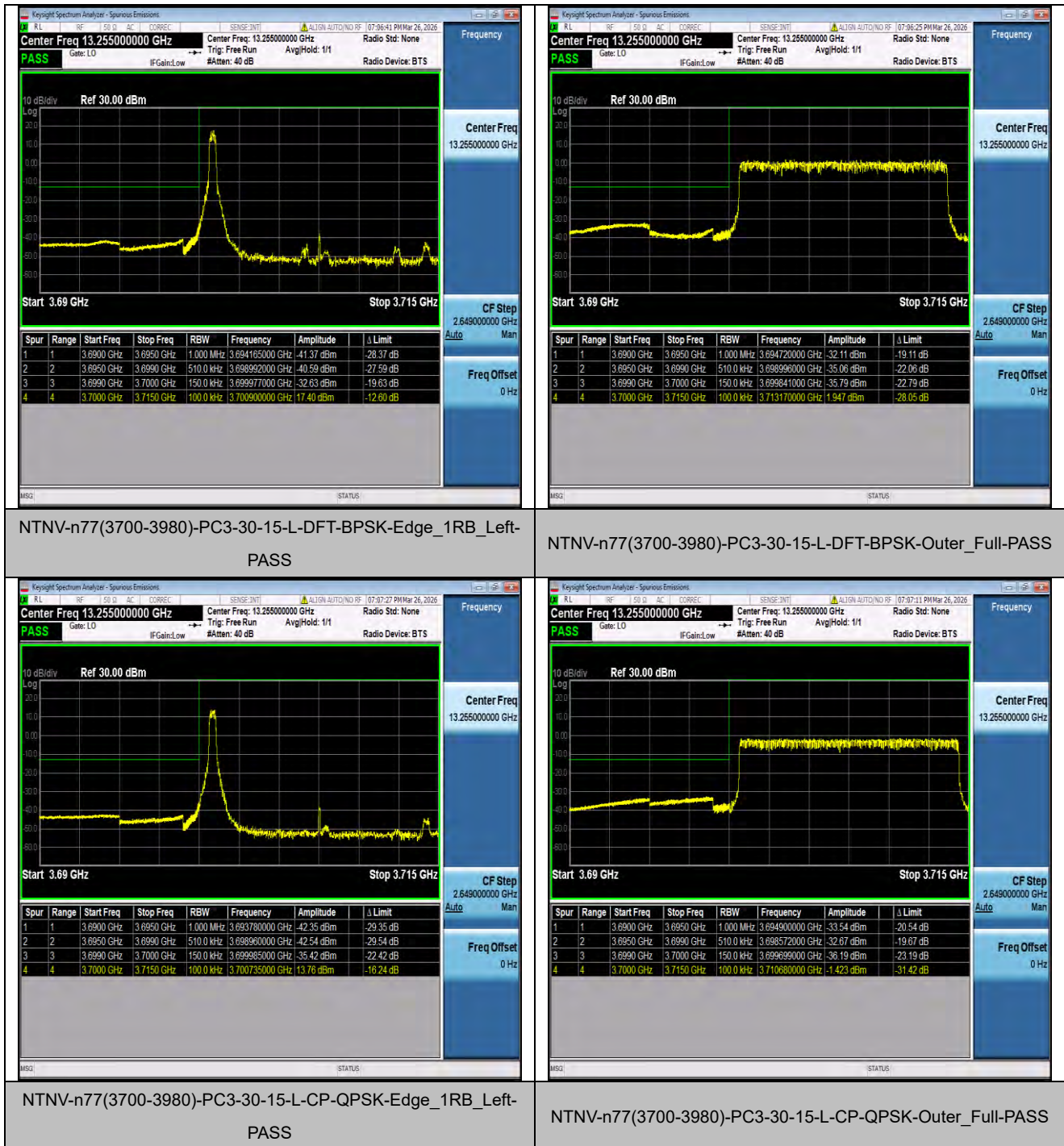
NTNV-n77(3700-3980)-PC3-30-20-H-CP-256QAM-Outer_Full-
Ant1-PASS

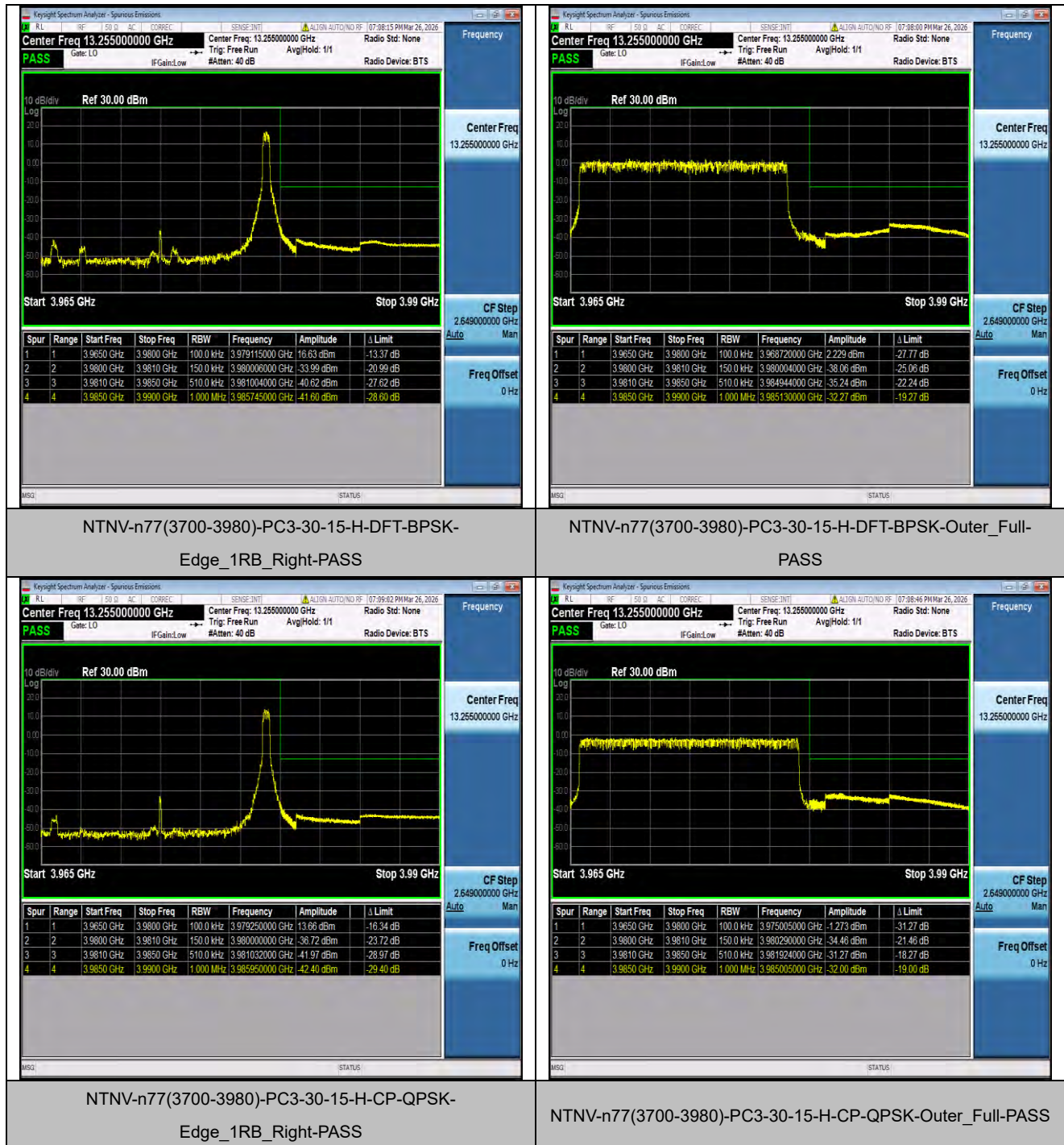
Band Edge for SA

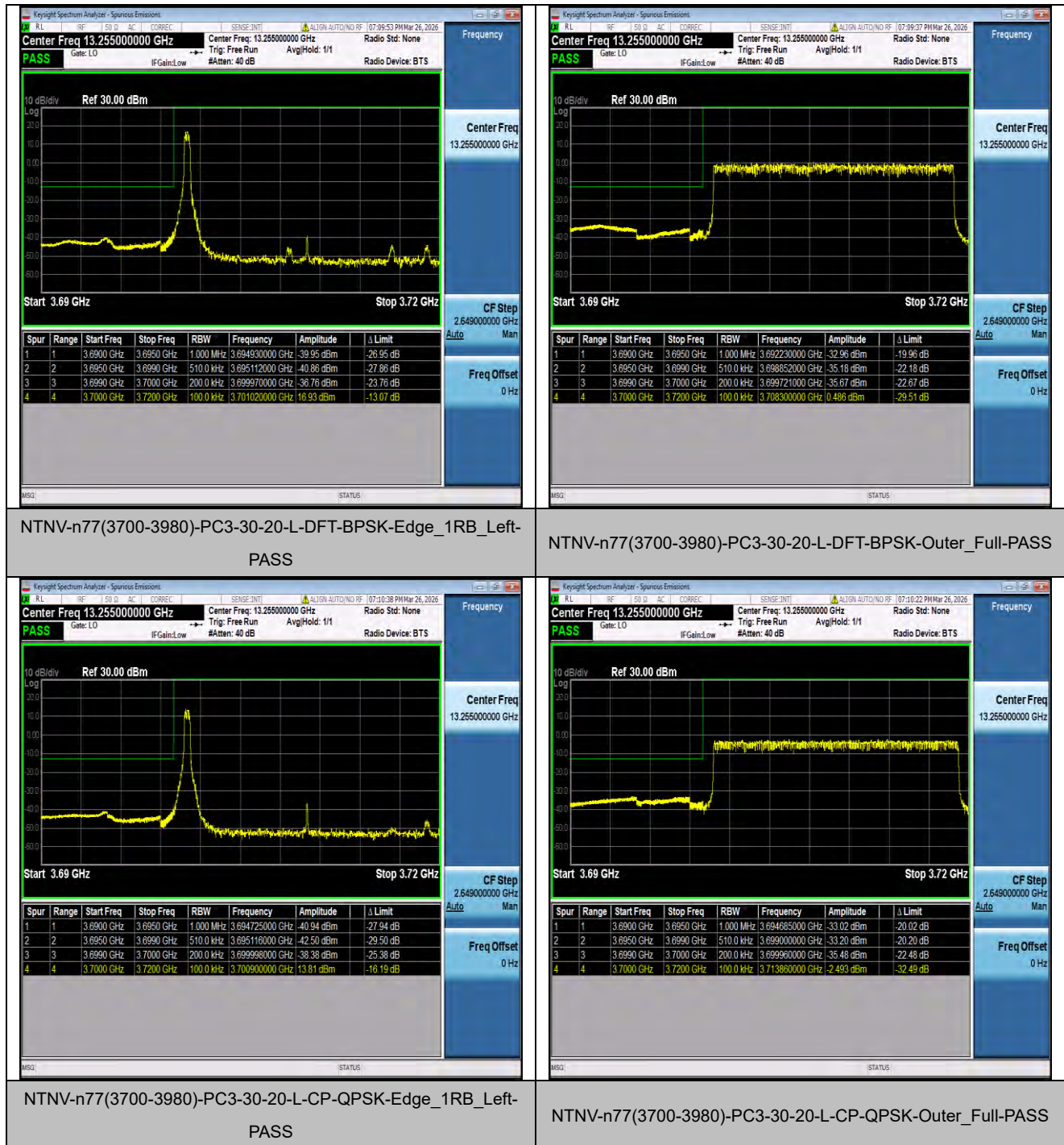
Test Graphs

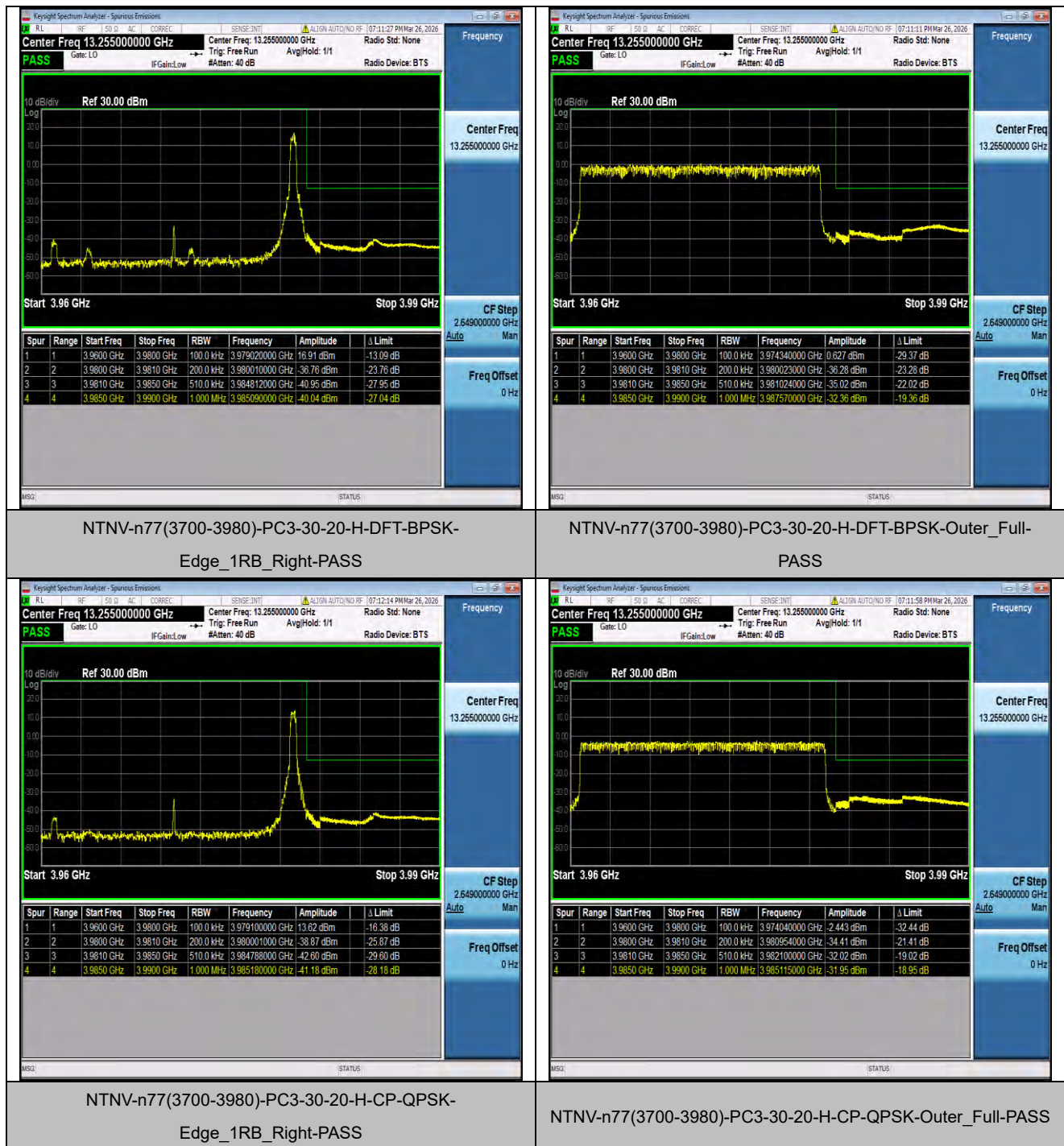






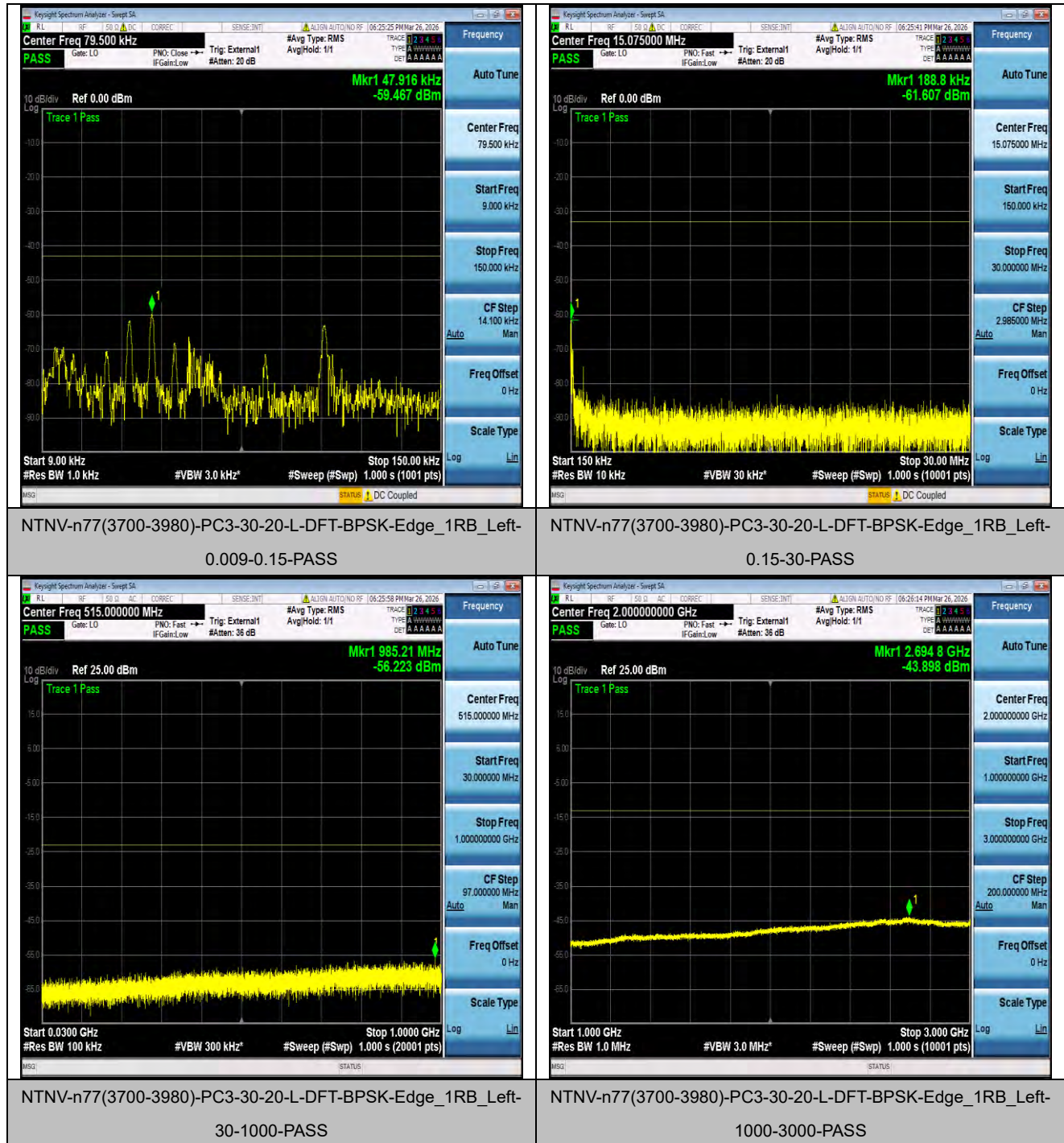






Conducted Spurious Emission for SA

Test Graphs





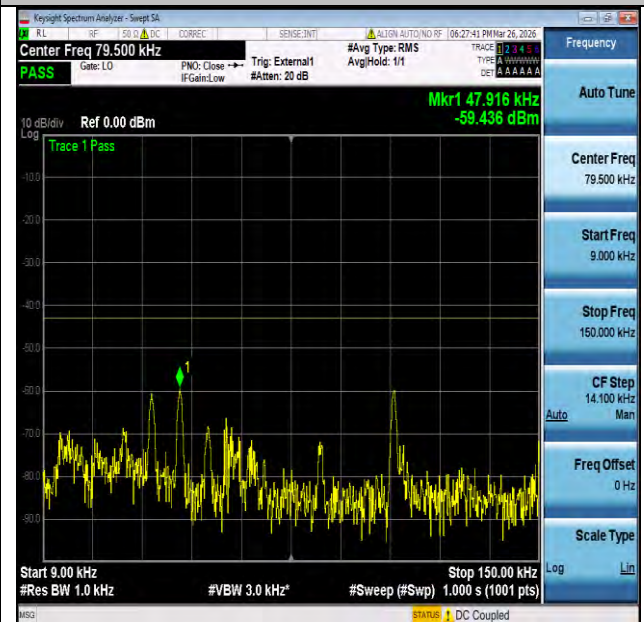
NTNV-n77(3700-3980)-PC3-30-20-L-DFT-BPSK-Edge_1RB_Left-
3000-6000-PASS



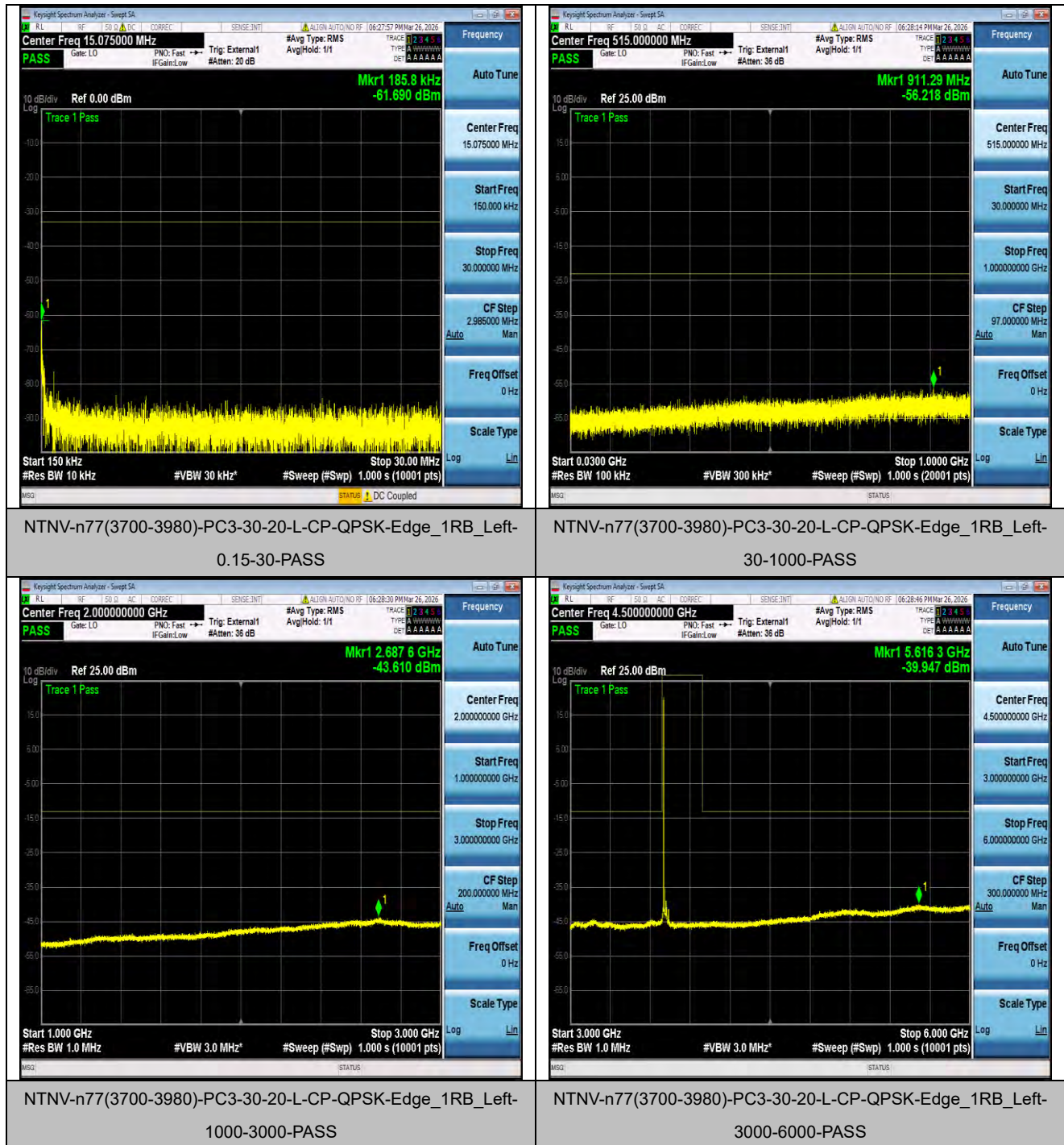
NTNV-n77(3700-3980)-PC3-30-20-L-DFT-BPSK-Edge_1RB_Left-
6000-26000-PASS

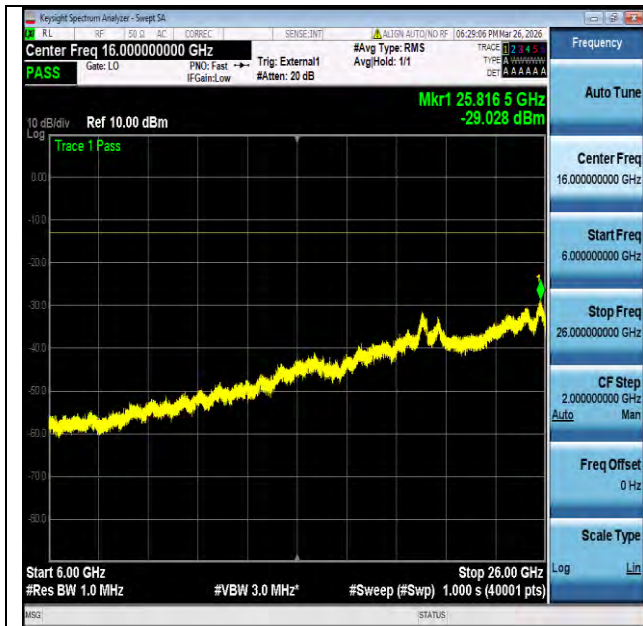


NTNV-n77(3700-3980)-PC3-30-20-L-DFT-BPSK-Edge_1RB_Left-
26000-40000-PASS



NTNV-n77(3700-3980)-PC3-30-20-L-CP-QPSK-Edge_1RB_Left-
0.009-0.15-PASS

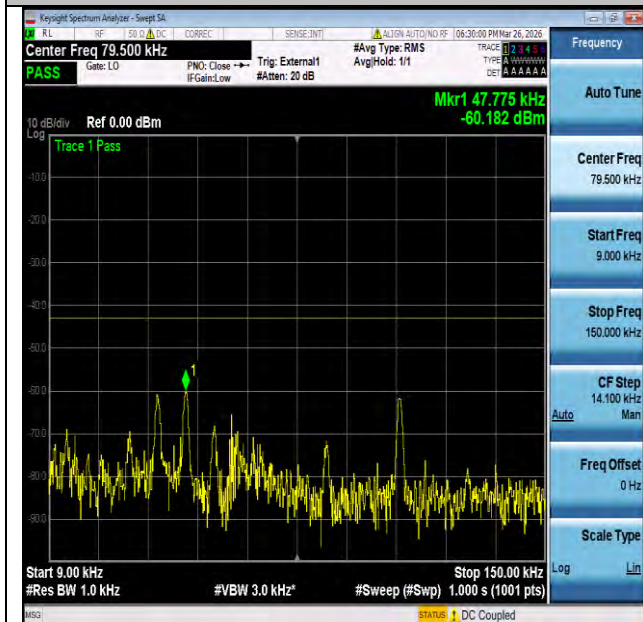




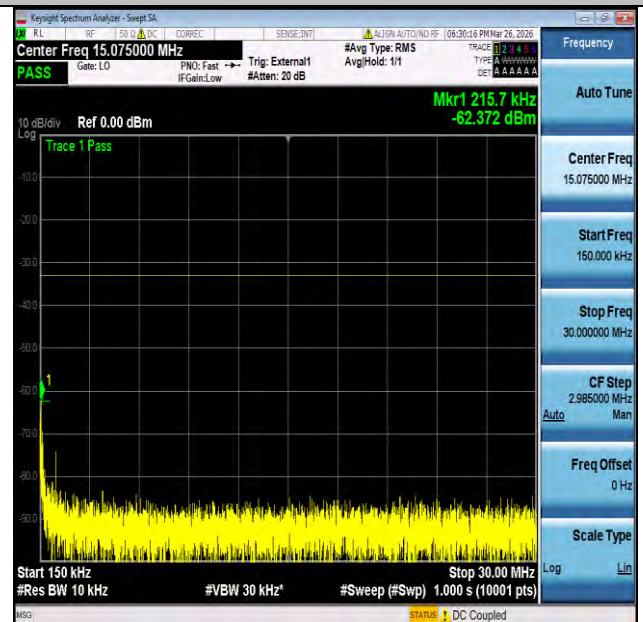
NTNV-n77(3700-3980)-PC3-30-20-L-CP-QPSK-Edge_1RB_Left-
6000-26000-PASS



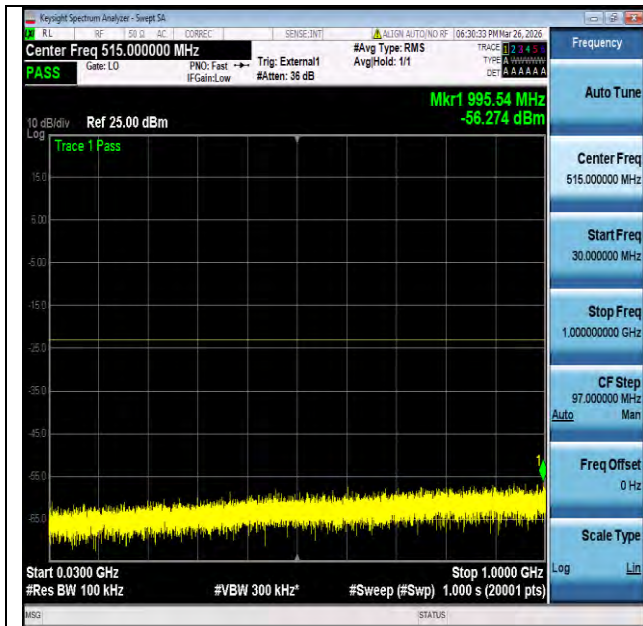
NTNV-n77(3700-3980)-PC3-30-20-L-CP-QPSK-Edge_1RB_Left-
26000-40000-PASS



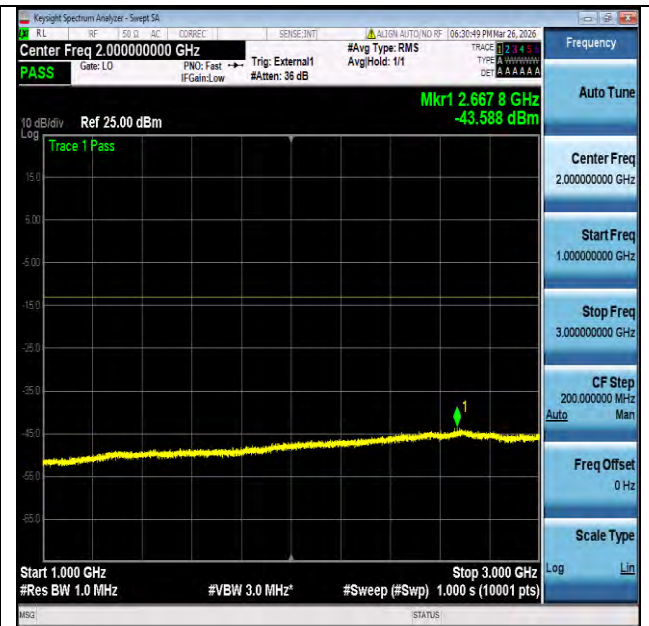
NTNV-n77(3700-3980)-PC3-30-20-M-DFT-BPSK-Edge_1RB_Left-
0.009-0.15-PASS



NTNV-n77(3700-3980)-PC3-30-20-M-DFT-BPSK-Edge_1RB_Left-
0.15-30-PASS



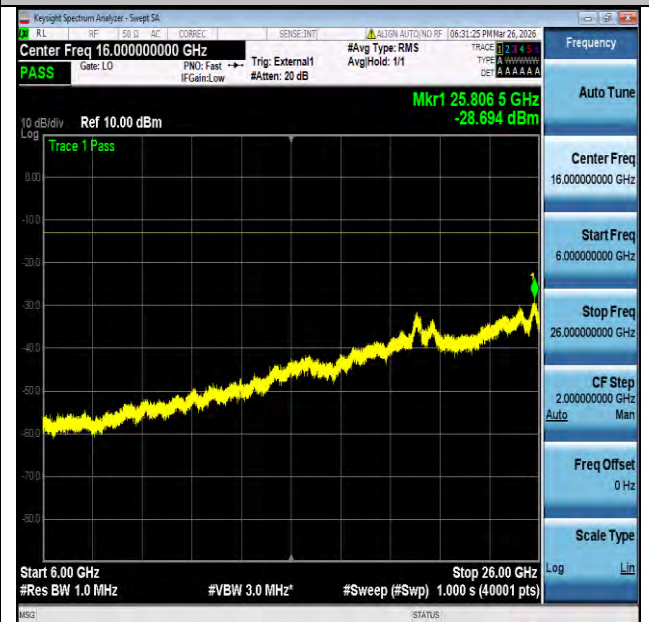
NTNV-n77(3700-3980)-PC3-30-20-M-DFT-BPSK-Edge_1RB_Left-
30-1000-PASS



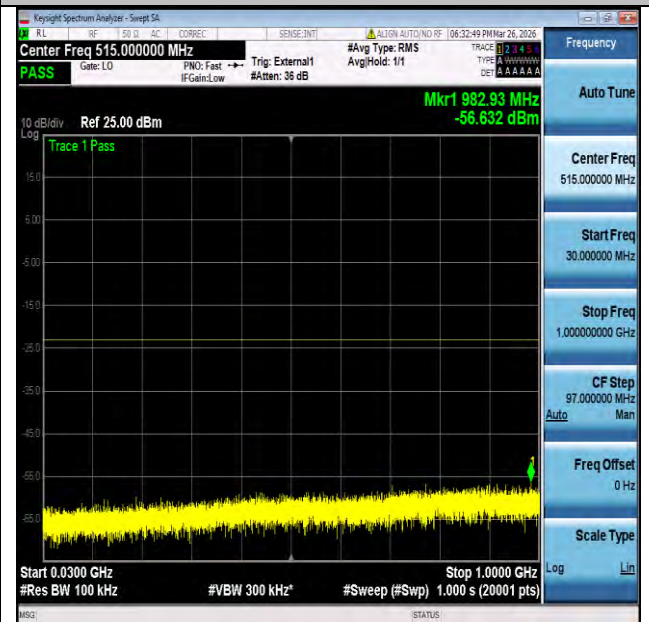
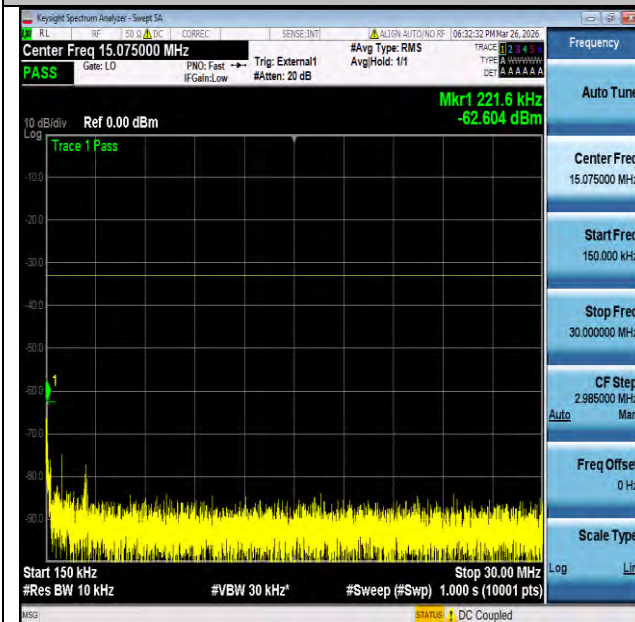
NTNV-n77(3700-3980)-PC3-30-20-M-DFT-BPSK-Edge_1RB_Left-
1000-3000-PASS



NTNV-n77(3700-3980)-PC3-30-20-M-DFT-BPSK-Edge_1RB_Left-
3000-6000-PASS

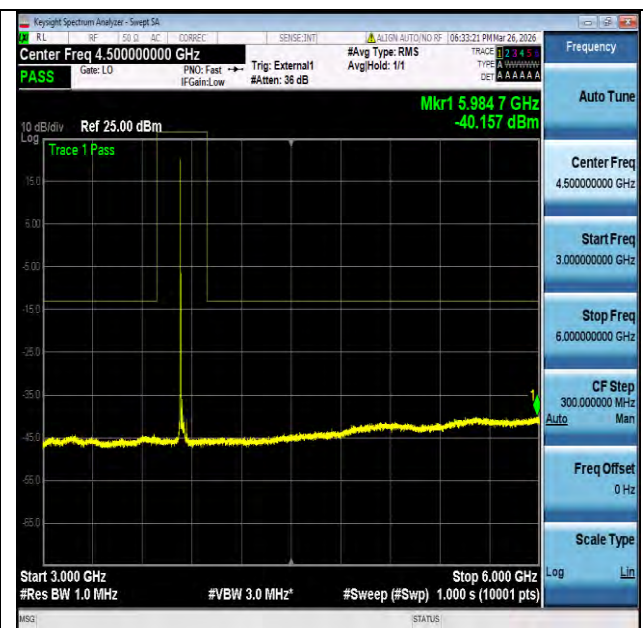


NTNV-n77(3700-3980)-PC3-30-20-M-DFT-BPSK-Edge_1RB_Left-
6000-26000-PASS

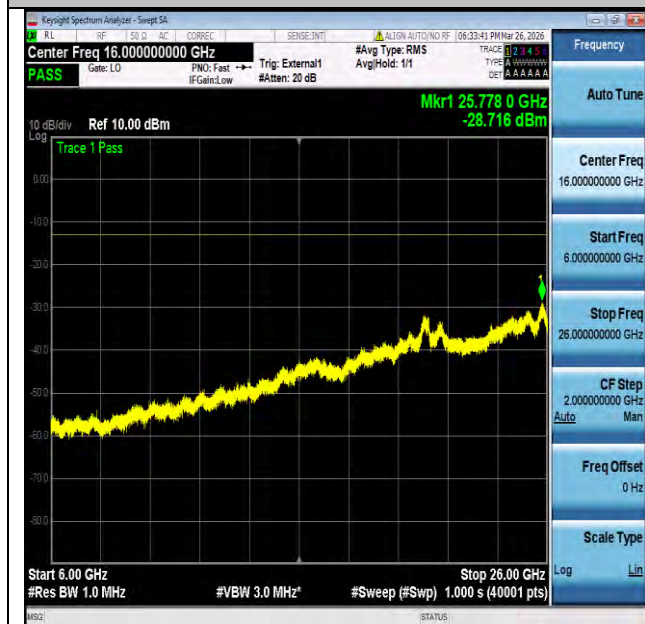
NTNV-n77(3700-3980)-PC3-30-20-M-DFT-BPSK-Edge_1RB_Left-
26000-40000-PASSNTNV-n77(3700-3980)-PC3-30-20-M-CP-QPSK-Edge_1RB_Left-
0.009-0.15-PASSNTNV-n77(3700-3980)-PC3-30-20-M-CP-QPSK-Edge_1RB_Left-
0.15-30-PASSNTNV-n77(3700-3980)-PC3-30-20-M-CP-QPSK-Edge_1RB_Left-
30-1000-PASS



NTNV-n77(3700-3980)-PC3-30-20-M-CP-QPSK-Edge_1RB_Left-
1000-3000-PASS



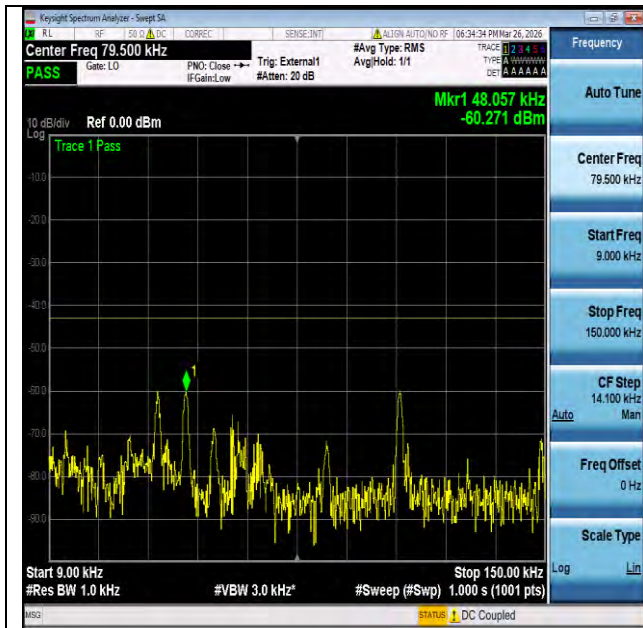
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3000-6000-PASS



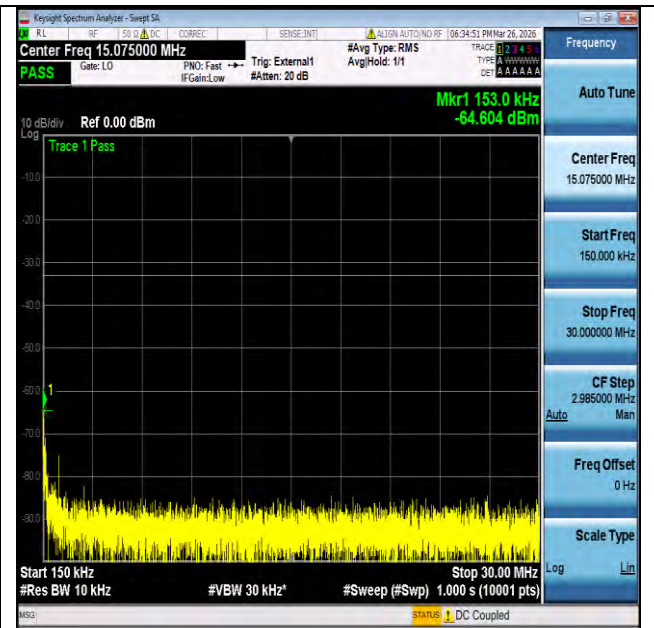
NTNV-n77(3700-3980)-PC3-30-20-M-CP-QPSK-Edge_1RB_Left-
6000-26000-PASS



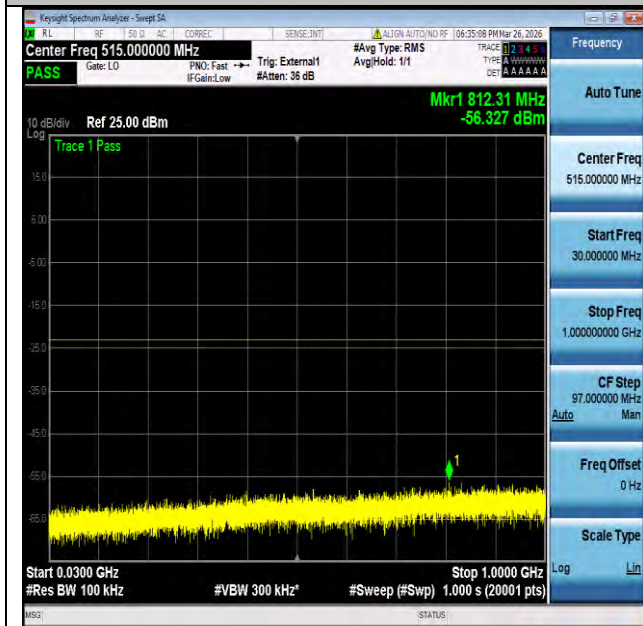
NTNV-n77(3700-3980)-PC3-30-20-M-CP-QPSK-Edge_1RB_Left-
26000-40000-PASS



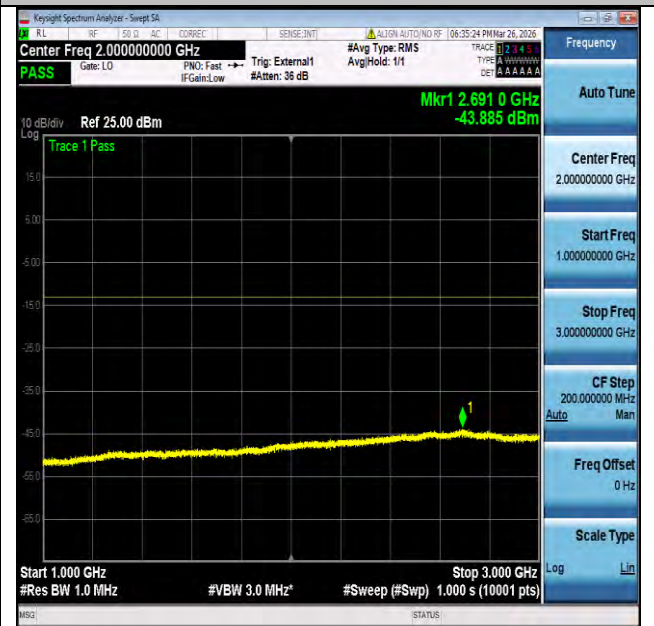
NTNV-n77(3700-3980)-PC3-30-20-H-DFT-BPSK-Edge_1RB_Left-
0.009-0.15-PASS



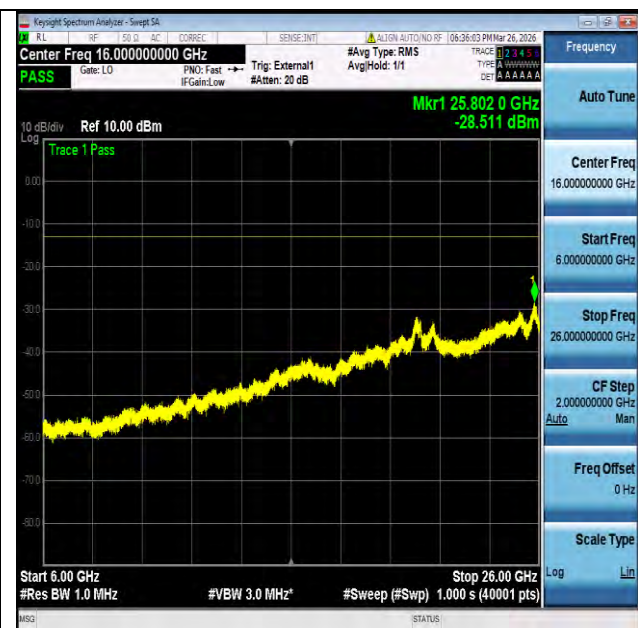
NTNV-n77(3700-3980)-PC3-30-20-H-DFT-BPSK-Edge_1RB_Left-
0.15-30-PASS

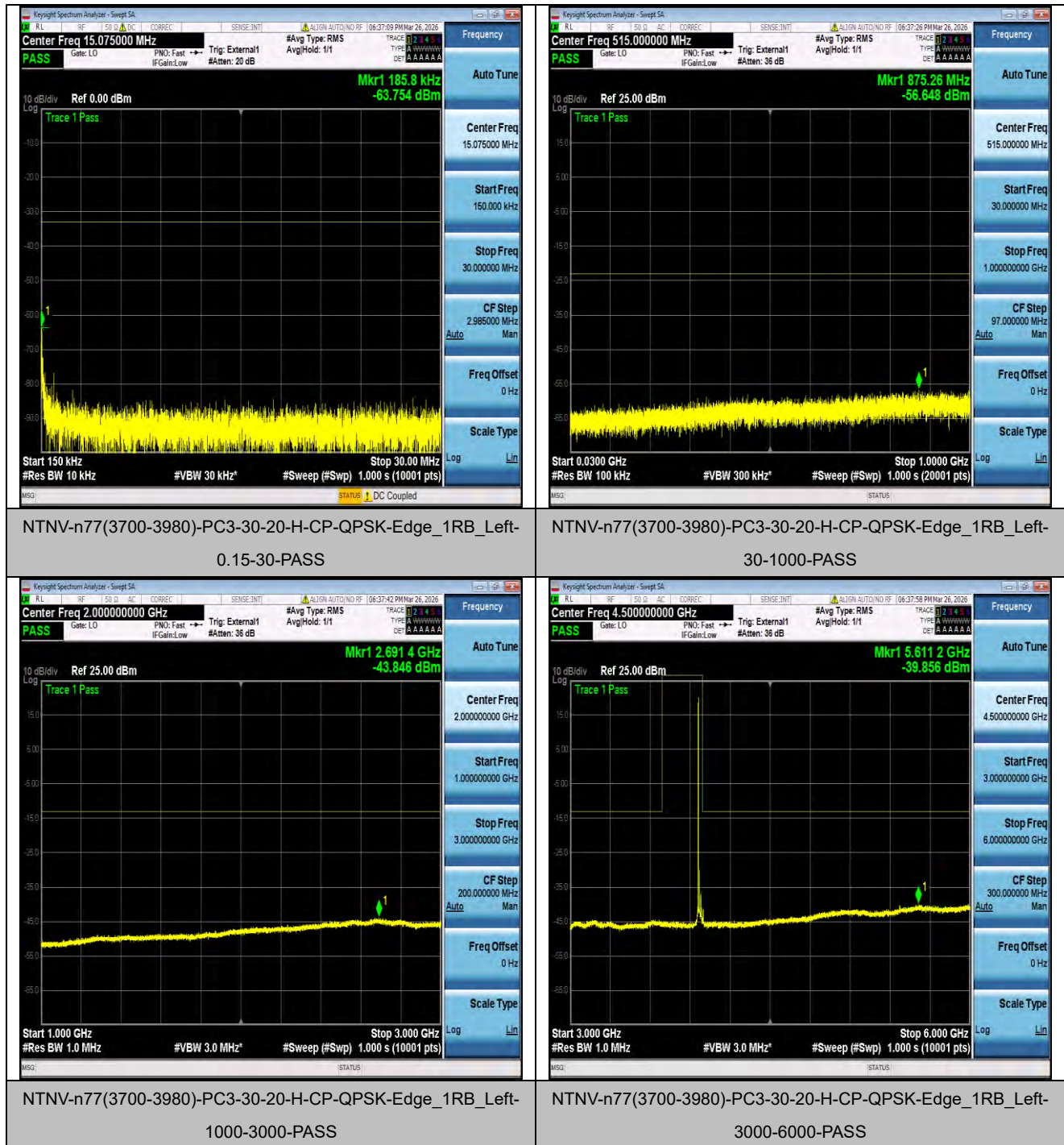


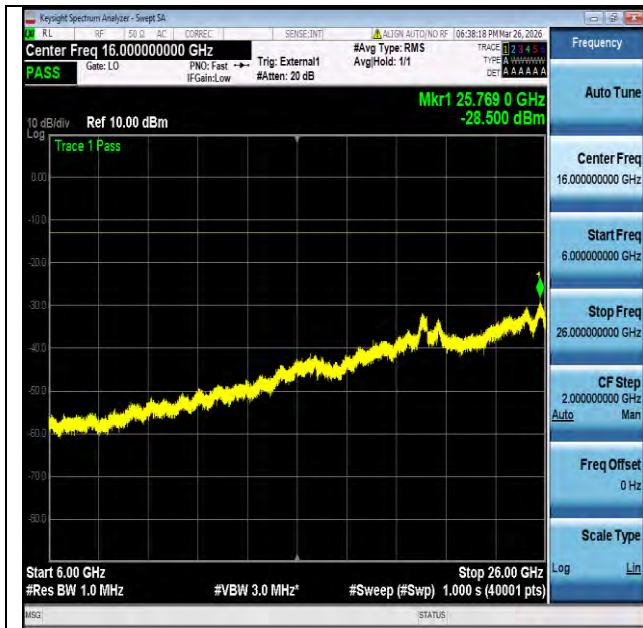
NTNV-n77(3700-3980)-PC3-30-20-H-DFT-BPSK-Edge_1RB_Left-
30-1000-PASS



NTNV-n77(3700-3980)-PC3-30-20-H-DFT-BPSK-Edge_1RB_Left-
1000-3000-PASS

NTNV-n77(3700-3980)-PC3-30-20-H-DFT-BPSK-Edge_1RB_Left-
3000-6000-PASSNTNV-n77(3700-3980)-PC3-30-20-H-DFT-BPSK-Edge_1RB_Left-
6000-26000-PASSNTNV-n77(3700-3980)-PC3-30-20-H-DFT-BPSK-Edge_1RB_Left-
26000-40000-PASSNTNV-n77(3700-3980)-PC3-30-20-H-CP-QPSK-Edge_1RB_Left-
0.009-0.15-PASS





NTNV-n77(3700-3980)-PC3-30-20-H-CP-QPSK-Edge_1RB_Left-
6000-26000-PASS



NTNV-n77(3700-3980)-PC3-30-20-H-CP-QPSK-Edge_1RB_Left-
26000-40000-PASS

Frequency Stability for SA

Test Result

Frequency Error VS. Voltage

Voltage										
Band	SCS	BW	Modulation	Channel	RB Config	Voltage	Temp	Deviation (Hz)	Deviation (ppm)	Verdict
n77(3700-3980)	30	20	DFT-BPSK	M	Outer_Full	VL	NT	-5.4	-0.001406	PASS
n77(3700-3980)	30	20	DFT-BPSK	M	Outer_Full	VN	NT	3.1	0.000807	PASS
n77(3700-3980)	30	20	DFT-BPSK	M	Outer_Full	VH	NT	1.9	0.000495	PASS
n77(3700-3980)	30	20	CP-QPSK	M	Outer_Full	VL	NT	-7	-0.001823	PASS
n77(3700-3980)	30	20	CP-QPSK	M	Outer_Full	VN	NT	-1.4	-0.000365	PASS
n77(3700-3980)	30	20	CP-QPSK	M	Outer_Full	VH	NT	-0.8	-0.000208	PASS

Frequency Error VS. Temperature

Temperature										
Band	SCS	BW	Modulation	Channel	RB Config	Voltage	Temp	Deviation (Hz)	Deviation (ppm)	Verdict
n77(3700-3980)	30	20	DFT-BPSK	M	Outer_Full	NV	-30	1.8	0.000469	PASS
n77(3700-3980)	30	20	DFT-BPSK	M	Outer_Full	NV	-20	2.3	0.000599	PASS
n77(3700-3980)	30	20	DFT-BPSK	M	Outer_Full	NV	-10	4.5	0.001172	PASS
n77(3700-3980)	30	20	DFT-BPSK	M	Outer_Full	NV	0	-4	-0.001042	PASS
n77(3700-3980)	30	20	DFT-BPSK	M	Outer_Full	NV	10	-5	-0.001302	PASS
n77(3700-3980)	30	20	DFT-BPSK	M	Outer_Full	NV	20	1.9	0.000495	PASS
n77(3700-3980)	30	20	DFT-BPSK	M	Outer_Full	NV	30	-0.7	-0.000182	PASS
n77(3700-3980)	30	20	DFT-BPSK	M	Outer_Full	NV	40	-5	-0.001302	PASS
n77(3700-3980)	30	20	DFT-BPSK	M	Outer_Full	NV	50	1.8	0.000469	PASS
n77(3700-3980)	30	20	CP-QPSK	M	Outer_Full	NV	-30	-0.4	-0.000104	PASS
n77(3700-3980)	30	20	CP-QPSK	M	Outer_Full	NV	-20	0.1	2.6E-05	PASS
n77(3700-3980)	30	20	CP-QPSK	M	Outer_Full	NV	-10	-1.9	-0.000495	PASS
n77(3700-3980)	30	20	CP-QPSK	M	Outer_Full	NV	0	-3.8	-0.00099	PASS
n77(3700-3980)	30	20	CP-QPSK	M	Outer_Full	NV	10	-4.3	-0.00112	PASS
n77(3700-3980)	30	20	CP-QPSK	M	Outer_Full	NV	20	1.5	0.000391	PASS
n77(3700-3980)	30	20	CP-QPSK	M	Outer_Full	NV	30	-4.1	-0.001068	PASS
n77(3700-3980)	30	20	CP-QPSK	M	Outer_Full	NV	40	-2.9	-0.000755	PASS
n77(3700-3980)	30	20	CP-QPSK	M	Outer_Full	NV	50	1.3	0.000339	PASS

~The End~