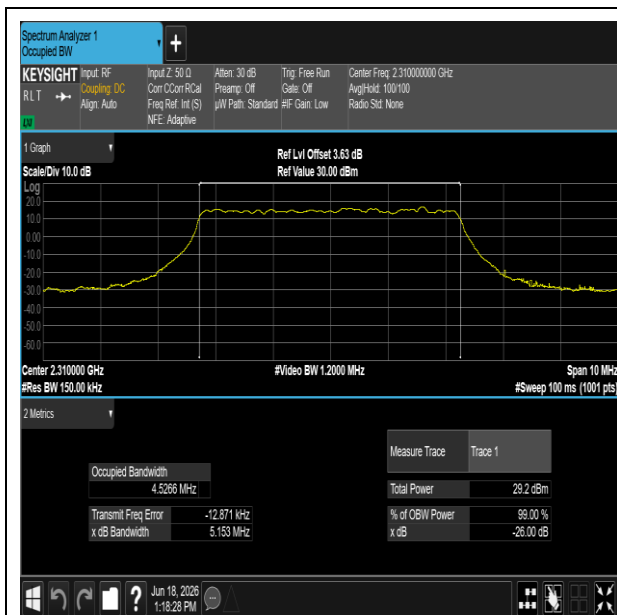
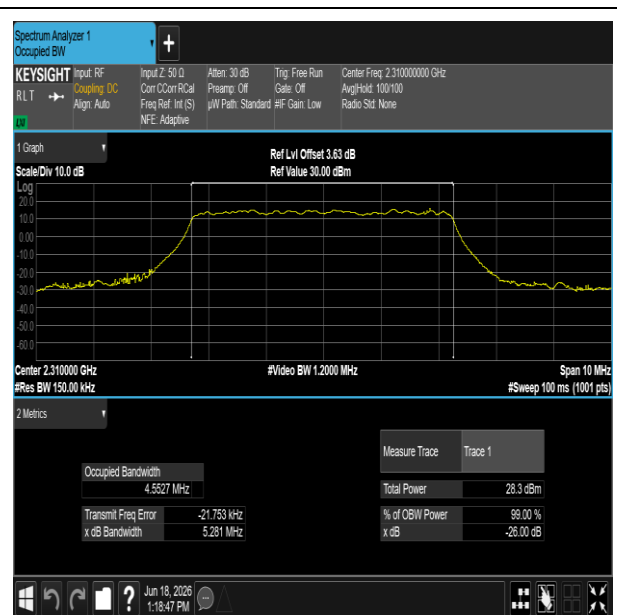




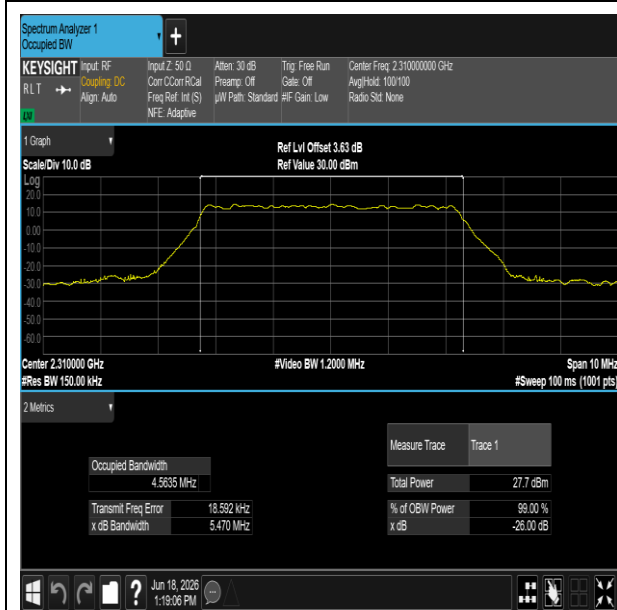
NTNV-n30-PC3-15-5-M-DFT-256QAM-Outer_Full-Ant1-

PASS



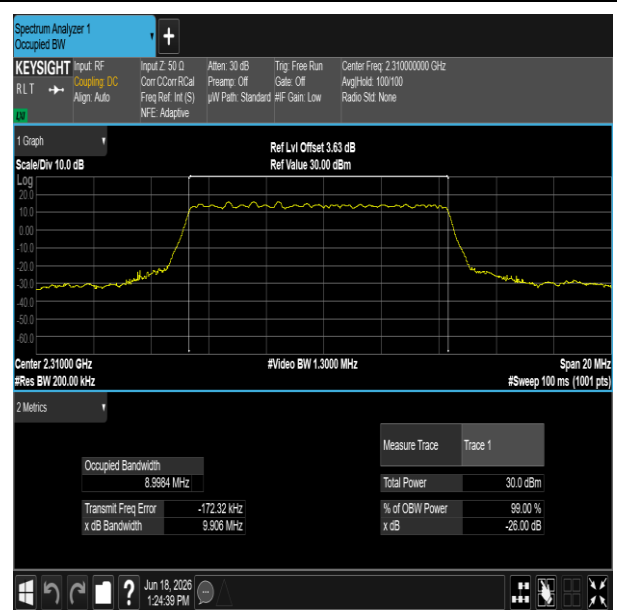
NTNV-n30-PC3-15-10-M-DFT-BPSK-Outer_Full-Ant1-

PASS



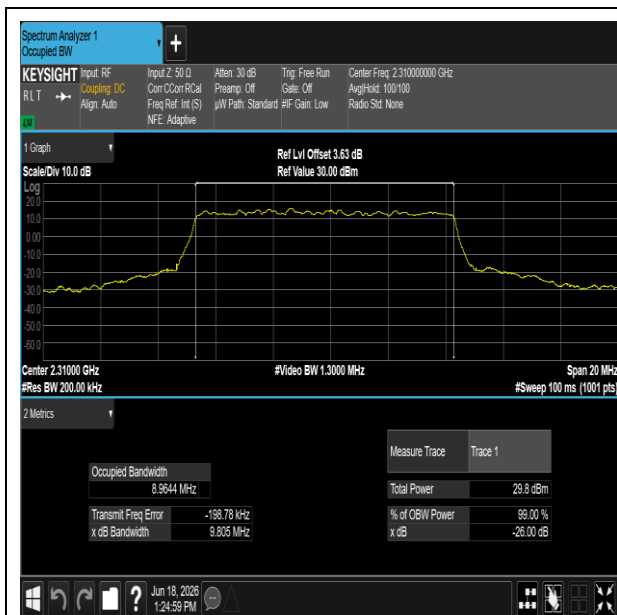
NTNV-n30-PC3-15-10-M-DFT-QPSK-Outer_Full-Ant1-

PASS

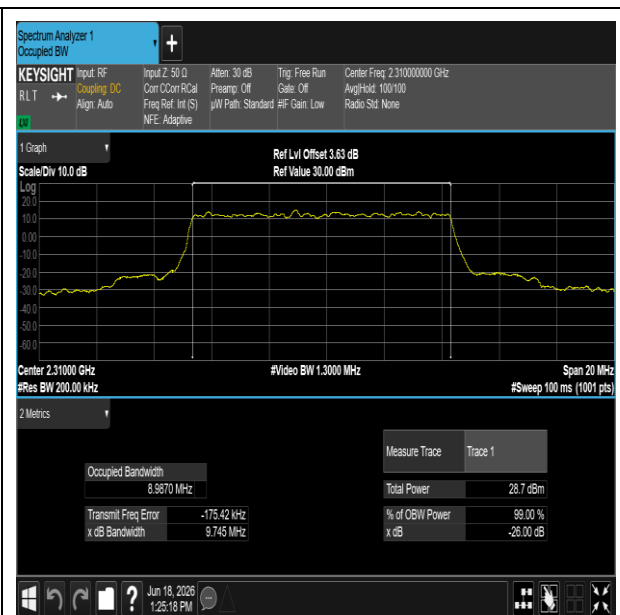


NTNV-n30-PC3-15-10-M-DFT-16QAM-Outer_Full-Ant1-

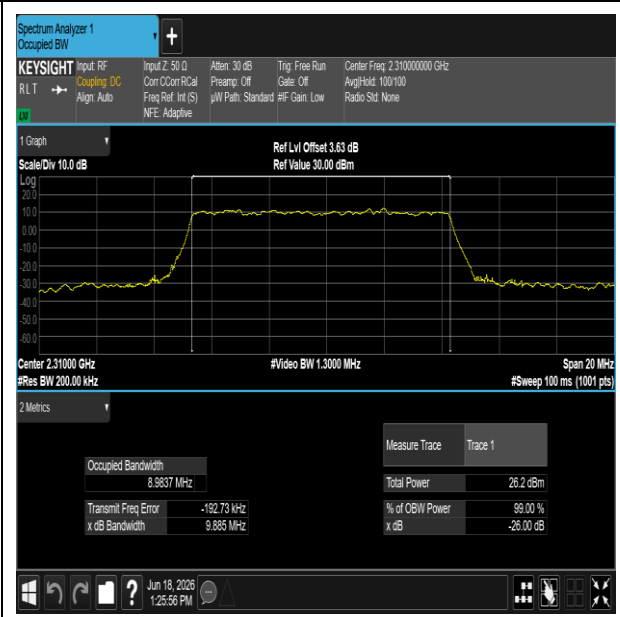
PASS



NTNV-n30-PC3-15-10-M-DFT-64QAM-Outer_Full-Ant1-
PASS



NTNV-n30-PC3-15-10-M-DFT-256QAM-Outer_Full-
Ant1-PASS

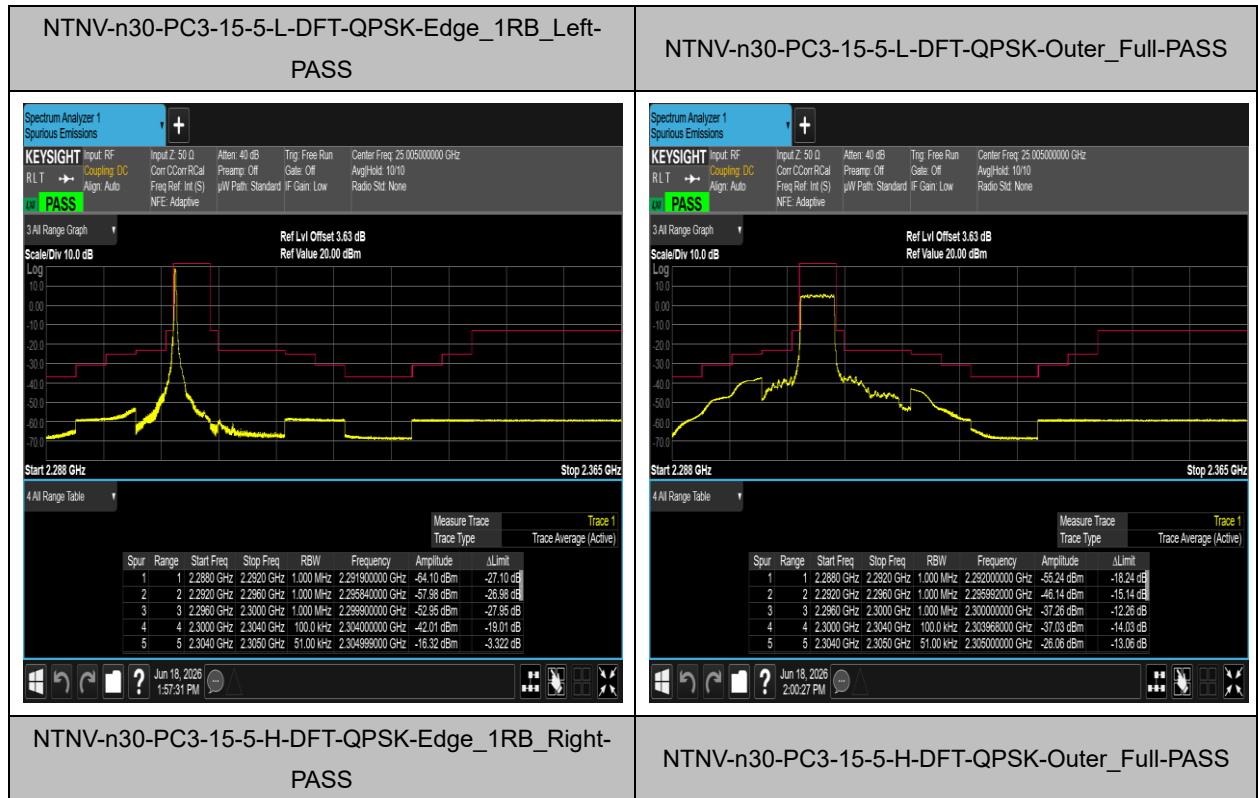


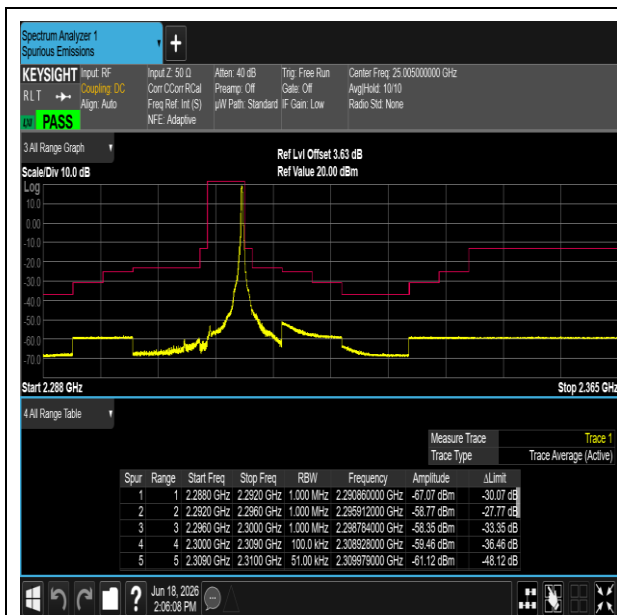
Band Edge for SA

Test Result

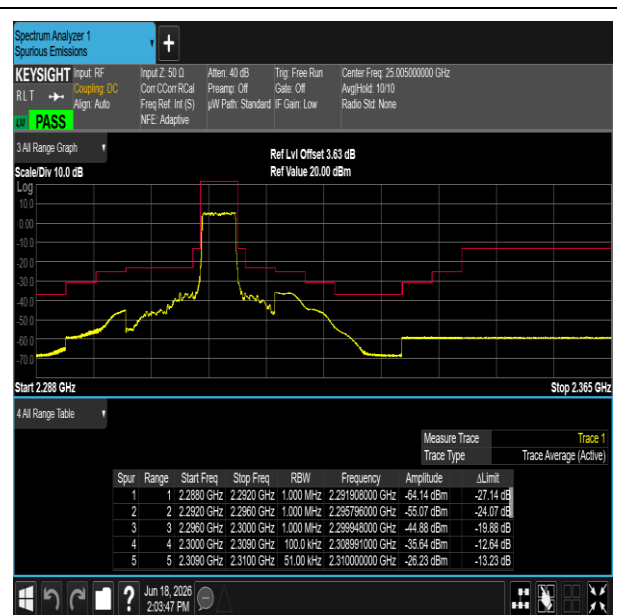
Band	SCS (kHz)	Bandwidth (MHz)	Modulation	Channel	RB Config	Result (dBm)	Verdict
n30	15	5	DFT-QPSK	L	Edge_1RB_Left	-16.32	PASS
n30	15	5	DFT-QPSK	L	Outer_Full	-37.26	PASS
n30	15	5	DFT-QPSK	H	Edge_1RB_Right	-18.46	PASS
n30	15	5	DFT-QPSK	H	Outer_Full	-35.88	PASS
n30	15	10	DFT-QPSK	M	Edge_1RB_Left	-15.59	PASS
n30	15	10	DFT-QPSK	M	Edge_1RB_Right	-18.63	PASS
n30	15	10	DFT-QPSK	M	Outer_Full	-42.01	PASS

Test Graphs

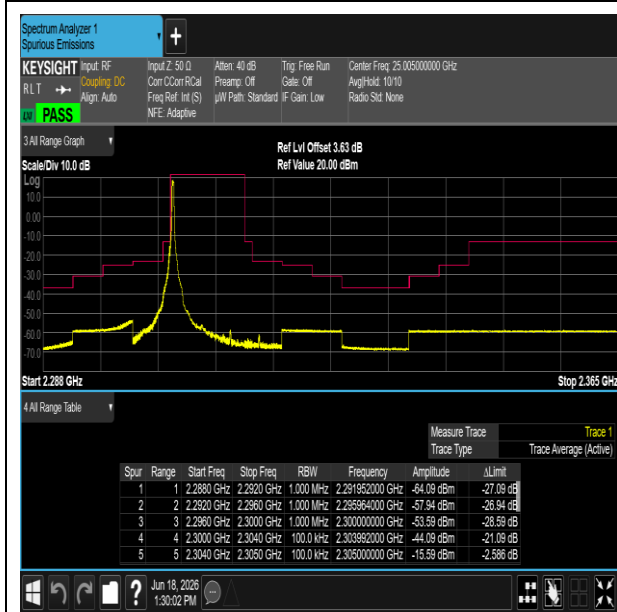




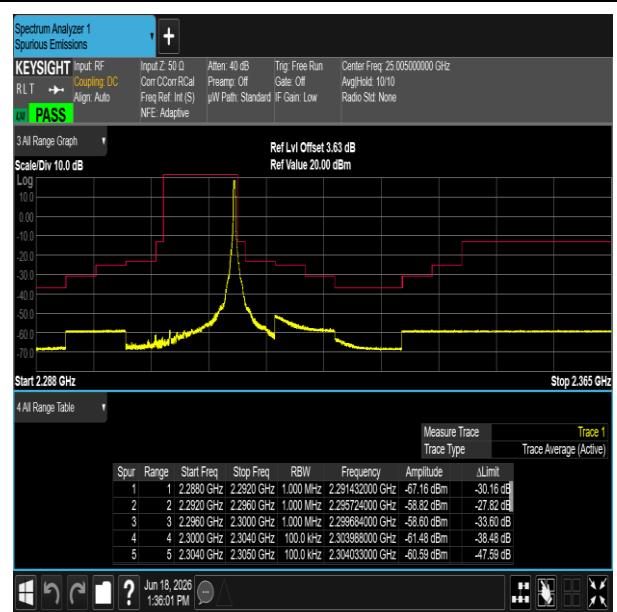
NTNV-n30-PC3-15-10-M-DFT-QPSK-Edge_1RB_Left-PASS

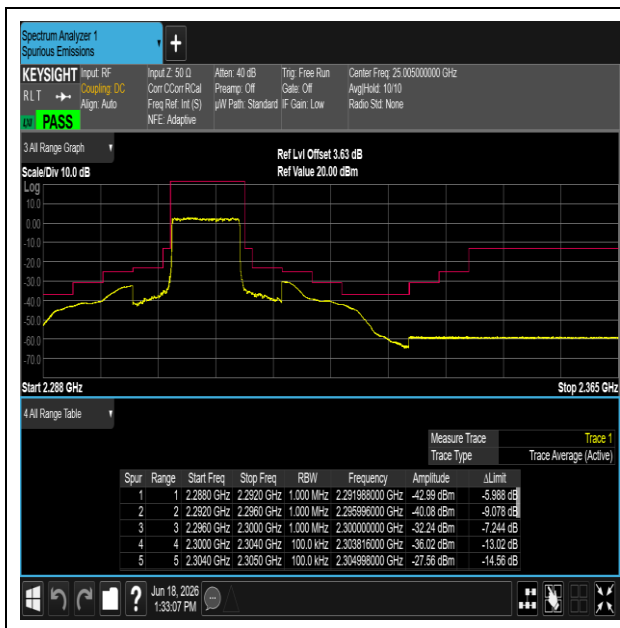


NTNV-n30-PC3-15-10-M-DFT-QPSK-Edge_1RB_Right-PASS



NTNV-n30-PC3-15-10-M-DFT-QPSK-Outer_Full-PASS



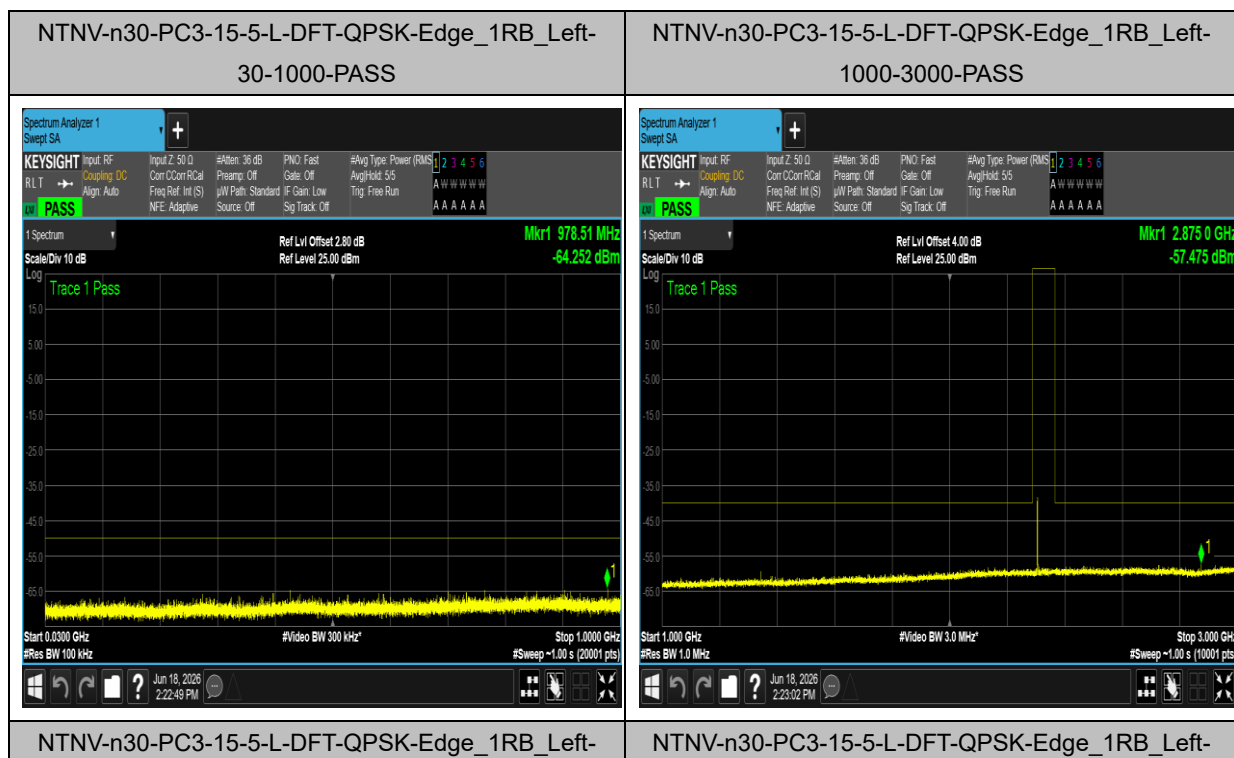


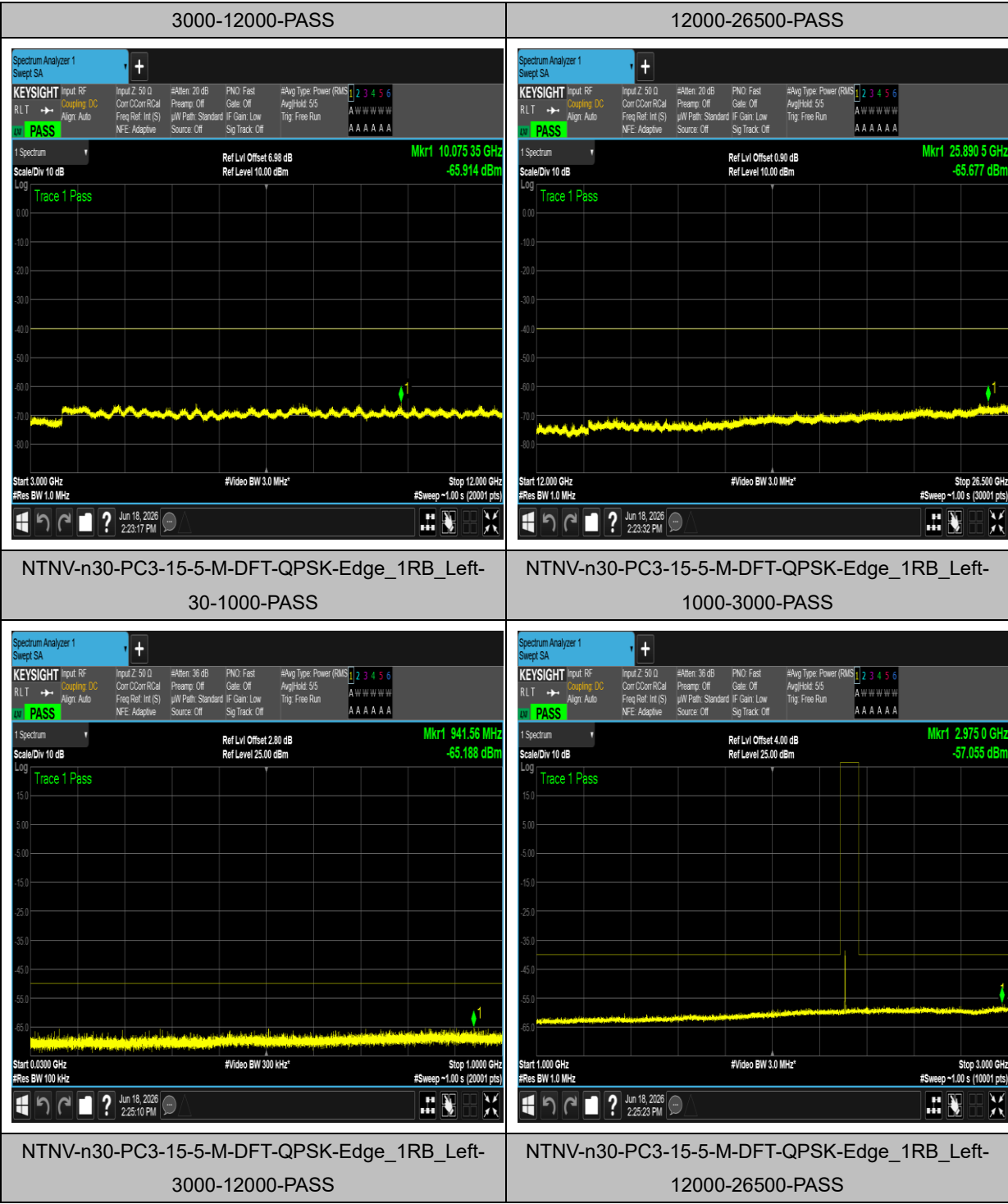
Conducted Spurious Emission for SA

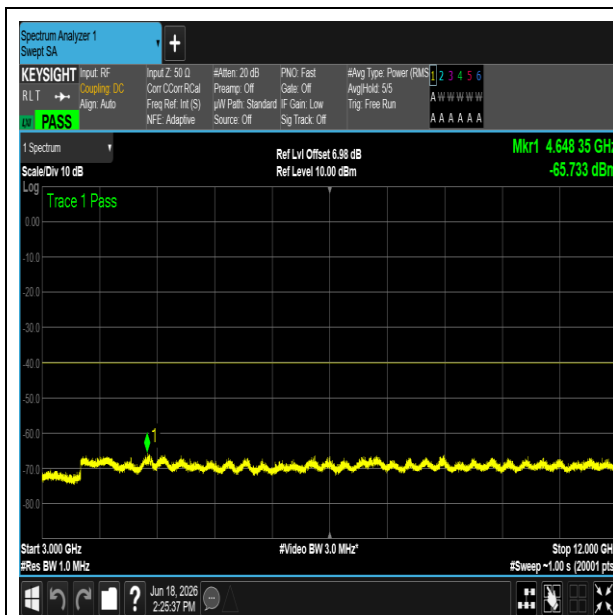
Test Result

Band	SCS (kHz)	Bandwidth (MHz)	Modulation	Channel	RB Config	StartFreq (MHz)	StopFreq (MHz)	Result (dBm)	Limit	Verdict
n30	15	5	DFT-QPSK	L	Edge_1RB_Left	30	1000	-64.25	≤-50dBm	PASS
n30	15	5	DFT-QPSK	L	Edge_1RB_Left	1000	3000	-57.47	≤-40dBm	PASS
n30	15	5	DFT-QPSK	L	Edge_1RB_Left	3000	12000	-65.91	≤-40dBm	PASS
n30	15	5	DFT-QPSK	L	Edge_1RB_Left	12000	26500	-65.68	≤-40dBm	PASS
n30	15	5	DFT-QPSK	M	Edge_1RB_Left	30	1000	-65.19	≤-50dBm	PASS
n30	15	5	DFT-QPSK	M	Edge_1RB_Left	1000	3000	-57.06	≤-40dBm	PASS
n30	15	5	DFT-QPSK	M	Edge_1RB_Left	3000	12000	-65.73	≤-40dBm	PASS
n30	15	5	DFT-QPSK	M	Edge_1RB_Left	12000	26500	-64.52	≤-40dBm	PASS
n30	15	5	DFT-QPSK	H	Edge_1RB_Left	30	1000	-64.87	≤-50dBm	PASS
n30	15	5	DFT-QPSK	H	Edge_1RB_Left	1000	3000	-57.59	≤-40dBm	PASS
n30	15	5	DFT-QPSK	H	Edge_1RB_Left	3000	12000	-66.13	≤-40dBm	PASS
n30	15	5	DFT-QPSK	H	Edge_1RB_Left	12000	26500	-65.56	≤-40dBm	PASS
n30	15	10	DFT-QPSK	M	Edge_1RB_Left	30	1000	-63.74	≤-50dBm	PASS
n30	15	10	DFT-QPSK	M	Edge_1RB_Left	1000	3000	-57.41	≤-40dBm	PASS
n30	15	10	DFT-QPSK	M	Edge_1RB_Left	3000	12000	-52.62	≤-40dBm	PASS
n30	15	10	DFT-QPSK	M	Edge_1RB_Left	12000	26500	-65.25	≤-40dBm	PASS

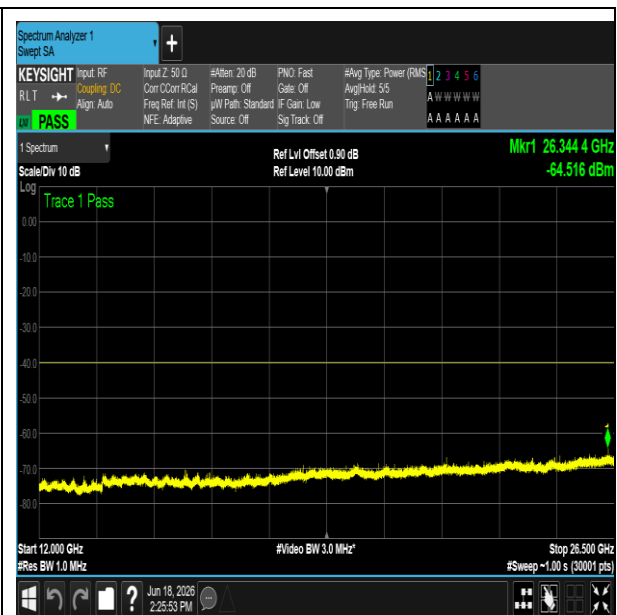
Test Graphs



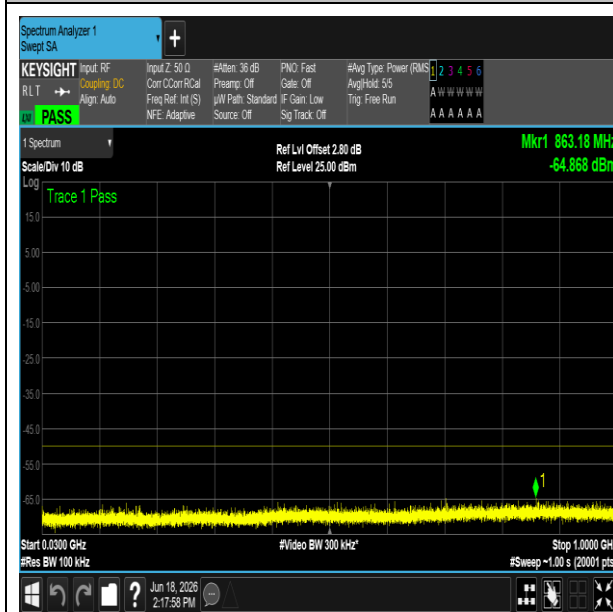




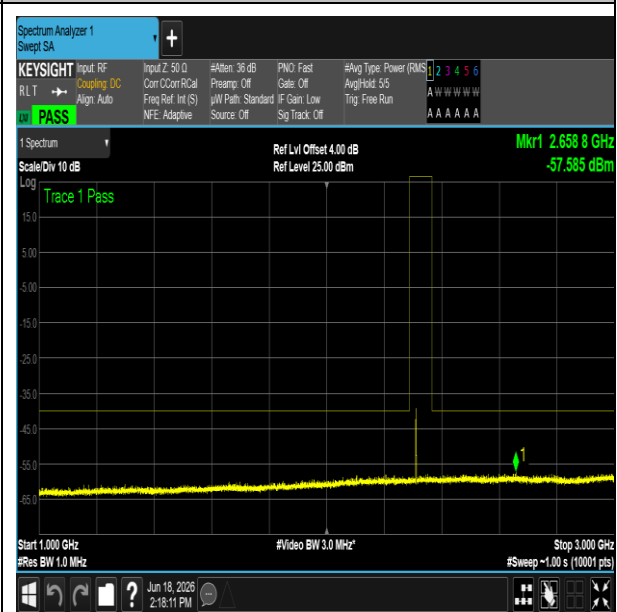
NTNV-n30-PC3-15-5-H-DFT-QPSK-Edge_1RB_Left-
30-1000-PASS



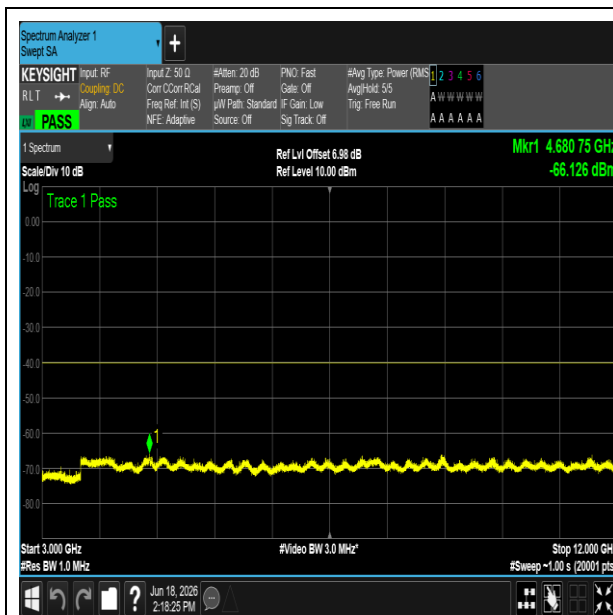
NTNV-n30-PC3-15-5-H-DFT-QPSK-Edge_1RB_Left-
1000-3000-PASS



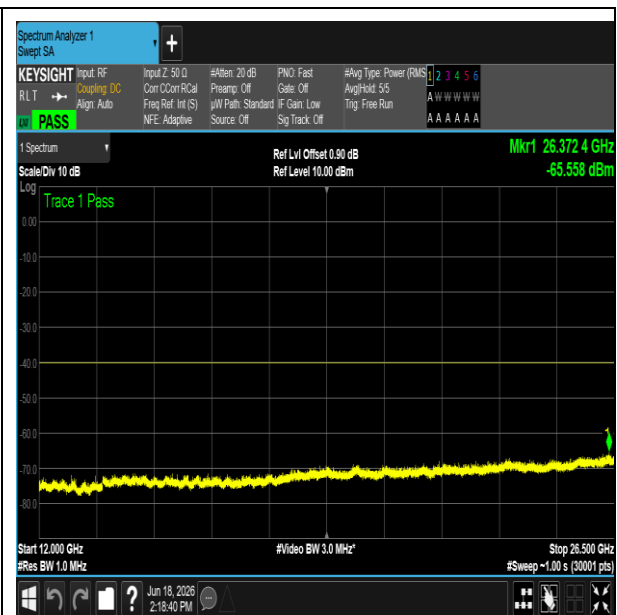
NTNV-n30-PC3-15-5-H-DFT-QPSK-Edge_1RB_Left-
3000-12000-PASS



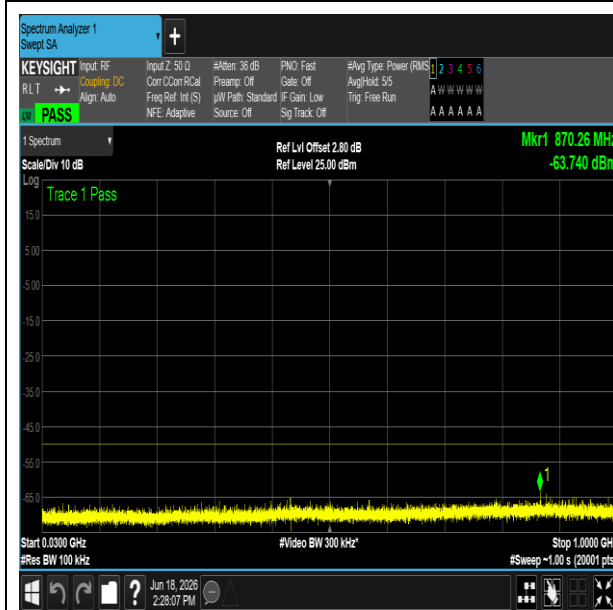
NTNV-n30-PC3-15-5-H-DFT-QPSK-Edge_1RB_Left-
12000-26500-PASS



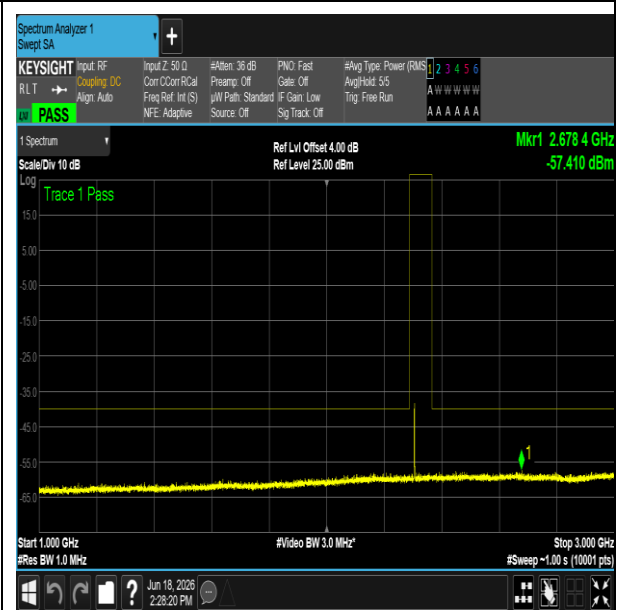
NTNV-n30-PC3-15-10-M-DFT-QPSK-Edge_1RB_Left-
30-1000-PASS



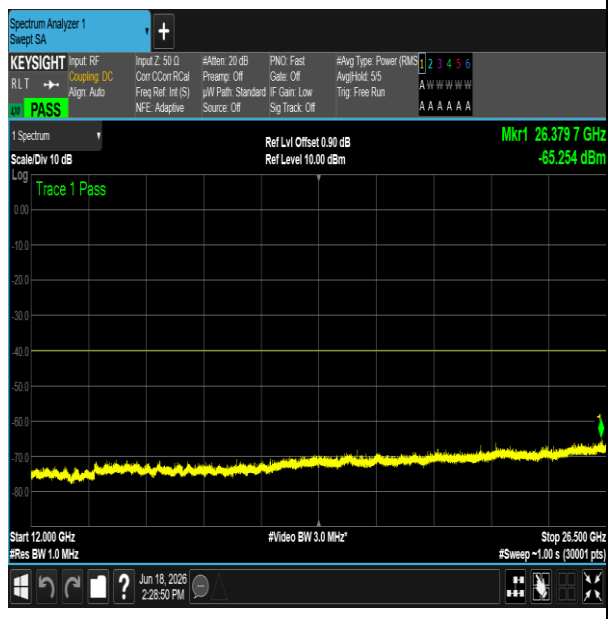
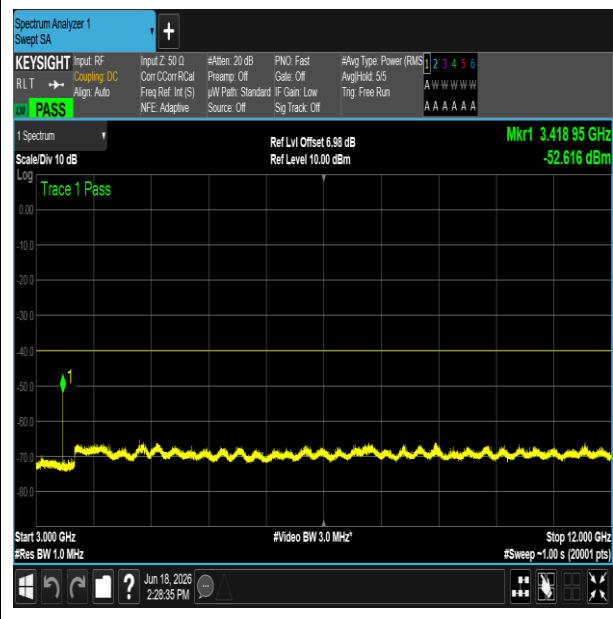
NTNV-n30-PC3-15-10-M-DFT-QPSK-Edge_1RB_Left-
1000-3000-PASS



NTNV-n30-PC3-15-10-M-DFT-QPSK-Edge_1RB_Left-
3000-12000-PASS



NTNV-n30-PC3-15-10-M-DFT-QPSK-Edge_1RB_Left-
12000-26500-PASS



Frequency Stability for SA

Test Result

Frequency Error VS. Voltage

Voltage										
Band	SCS (kHz)	Bandwidth (MHz)	Modulation	Channel	RB Config	Voltage (V)	Temperature	Deviation (Hz)	Deviation (ppm)	Verdict
n30	15	5	DFT-QPSK	L	Outer_Full	VL	NT	6.51	0.002819	PASS
n30	15	5	DFT-QPSK	L	Outer_Full	VN	NT	5.85	0.002537	PASS
n30	15	5	DFT-QPSK	L	Outer_Full	VH	NT	5.63	0.002441	PASS
n30	15	5	DFT-QPSK	H	Outer_Full	VL	NT	7.50	0.003242	PASS
n30	15	5	DFT-QPSK	H	Outer_Full	VN	NT	8.19	0.003543	PASS
n30	15	5	DFT-QPSK	H	Outer_Full	VH	NT	7.84	0.003389	PASS

Frequency Error VS. Temperature

Temperature										
Band	SCS (kHz)	Bandwidth (MHz)	Modulation	Channel	RB Config	Voltage	Temperature (°C)	Deviation(Hz)	Deviation (ppm)	Verdict
n30	15	5	DFT-QPSK	L	Outer_Full	NV	-30	10.72	0.004646	PASS
n30	15	5	DFT-QPSK	L	Outer_Full	NV	-20	11.39	0.004938	PASS
n30	15	5	DFT-QPSK	L	Outer_Full	NV	-10	14.06	0.006094	PASS
n30	15	5	DFT-QPSK	L	Outer_Full	NV	0	8.03	0.003479	PASS
n30	15	5	DFT-QPSK	L	Outer_Full	NV	10	9.12	0.003954	PASS
n30	15	5	DFT-QPSK	L	Outer_Full	NV	20	14.02	0.006074	PASS
n30	15	5	DFT-QPSK	L	Outer_Full	NV	30	7.84	0.003398	PASS
n30	15	5	DFT-QPSK	L	Outer_Full	NV	40	8.01	0.003472	PASS

n30	15	5	DFT-QPSK	L	Outer_Full	NV	50	12.16	0.005271	PASS
n30	15	5	DFT-QPSK	H	Outer_Full	NV	-30	12.27	0.005306	PASS
n30	15	5	DFT-QPSK	H	Outer_Full	NV	-20	6.81	0.002945	PASS
n30	15	5	DFT-QPSK	H	Outer_Full	NV	-10	7.70	0.003331	PASS
n30	15	5	DFT-QPSK	H	Outer_Full	NV	0	7.18	0.003105	PASS
n30	15	5	DFT-QPSK	H	Outer_Full	NV	10	8.56	0.003701	PASS
n30	15	5	DFT-QPSK	H	Outer_Full	NV	20	8.08	0.003496	PASS
n30	15	5	DFT-QPSK	H	Outer_Full	NV	30	9.79	0.004233	PASS
n30	15	5	DFT-QPSK	H	Outer_Full	NV	40	7.97	0.003448	PASS
n30	15	5	DFT-QPSK	H	Outer_Full	NV	50	7.09	0.003064	PASS

FCC-SA N70

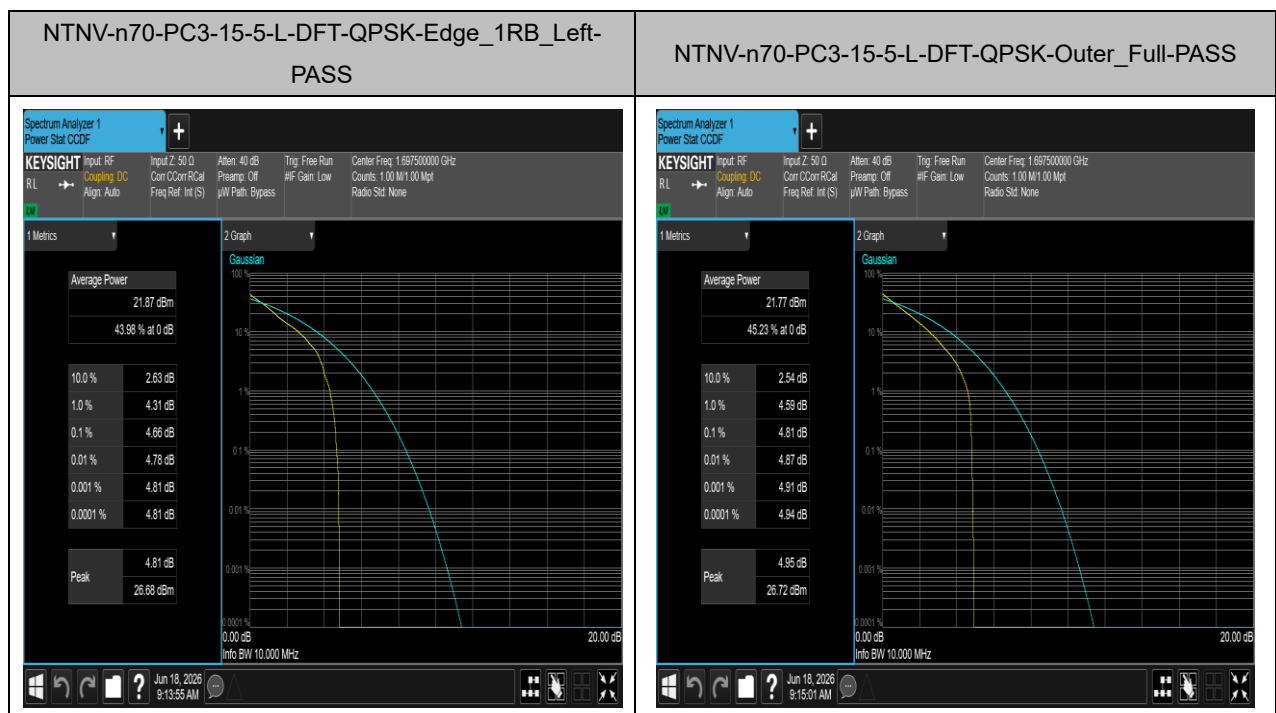
Peak-to-Average Ratio for SA

Peak-to-Average Ratio(CCDF)

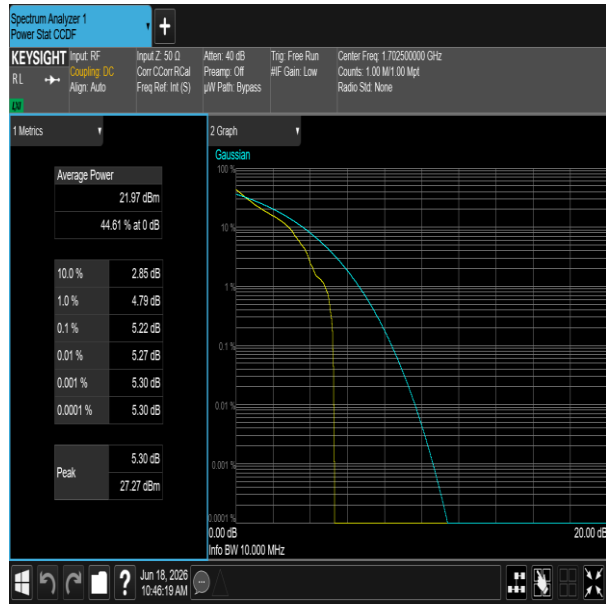
Test Result

Band	SCS (kHz)	Bandwidth (MHz)	Modulation	Channel	RB Config	Result (dB)	Limit	Verdict
n70	15	5	DFT-QPSK	L	Edge_1RB_Left	4.66	≤13dB	PASS
n70	15	5	DFT-QPSK	L	Outer_Full	4.81	≤13dB	PASS
n70	15	5	DFT-QPSK	M	Edge_1RB_Left	5.22	≤13dB	PASS
n70	15	5	DFT-QPSK	M	Outer_Full	5.2	≤13dB	PASS
n70	15	5	DFT-QPSK	H	Edge_1RB_Left	5.06	≤13dB	PASS
n70	15	5	DFT-QPSK	H	Outer_Full	5.05	≤13dB	PASS
n70	15	10	DFT-QPSK	L	Edge_1RB_Left	4.94	≤13dB	PASS
n70	15	10	DFT-QPSK	L	Outer_Full	5.33	≤13dB	PASS
n70	15	10	DFT-QPSK	M	Edge_1RB_Left	4.65	≤13dB	PASS
n70	15	10	DFT-QPSK	M	Outer_Full	5.18	≤13dB	PASS
n70	15	10	DFT-QPSK	H	Edge_1RB_Left	4.6	≤13dB	PASS
n70	15	10	DFT-QPSK	H	Outer_Full	4.99	≤13dB	PASS
n70	15	15	DFT-QPSK	M	Edge_1RB_Left	4.31	≤13dB	PASS
n70	15	15	DFT-QPSK	M	Outer_Full	5.12	≤13dB	PASS

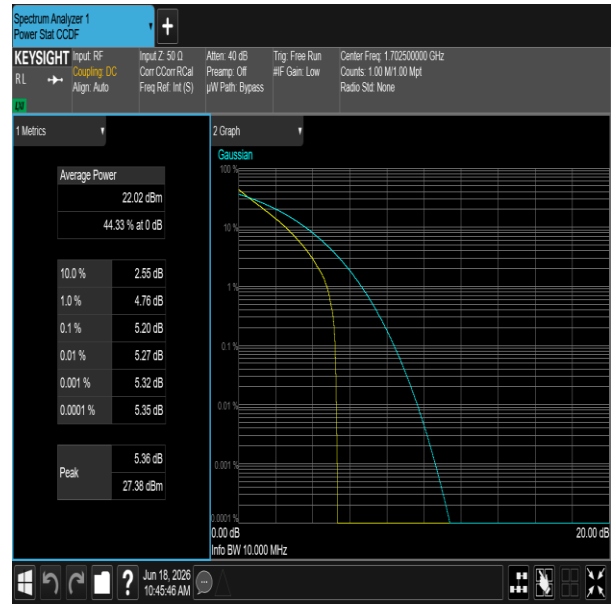
Test Graphs



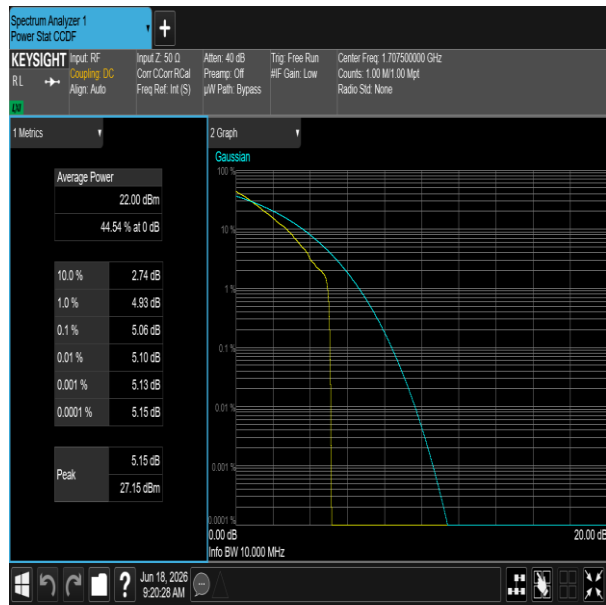
NTNV-n70-PC3-15-5-M-DFT-QPSK-Edge_1RB_Left-PASS



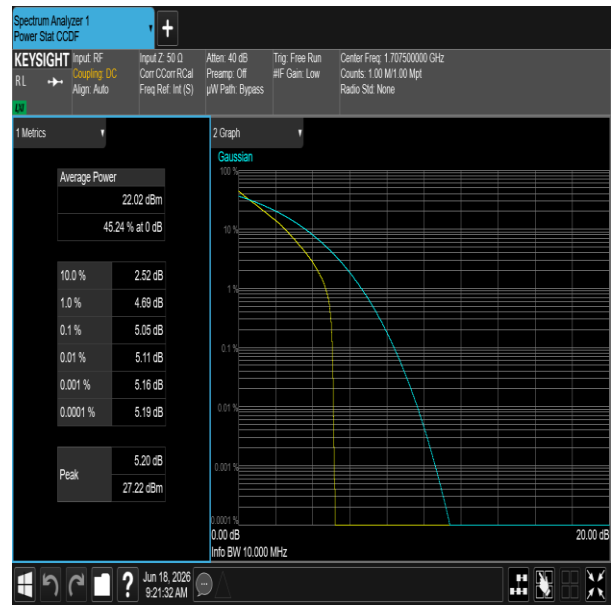
NTNV-n70-PC3-15-5-M-DFT-QPSK-Outer_Full-PASS



NTNV-n70-PC3-15-5-H-DFT-QPSK-Edge_1RB_Left-PASS

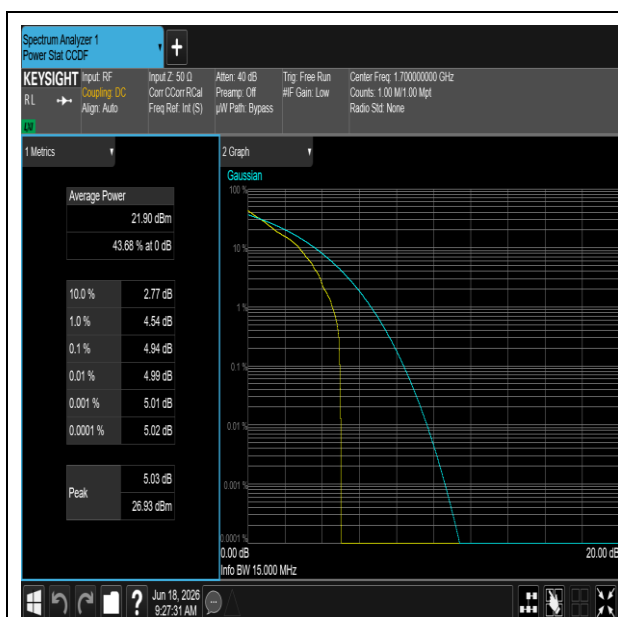


NTNV-n70-PC3-15-5-H-DFT-QPSK-Outer_Full-PASS

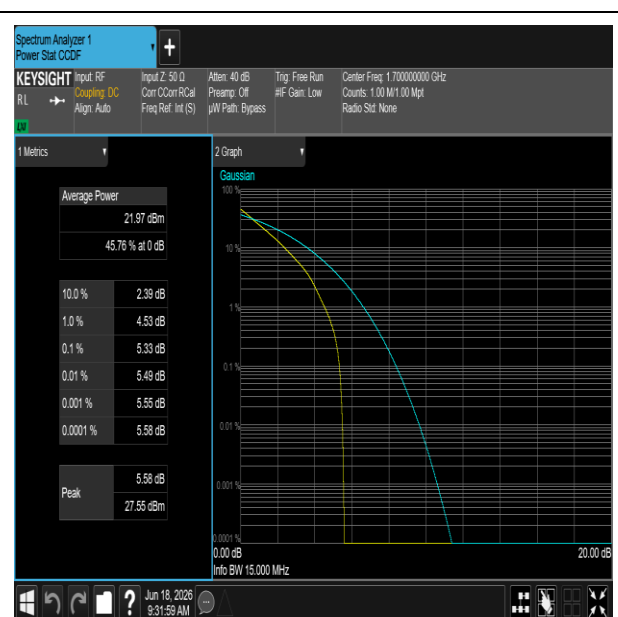


NTNV-n70-PC3-15-10-L-DFT-QPSK-Edge_1RB_Left-PASS

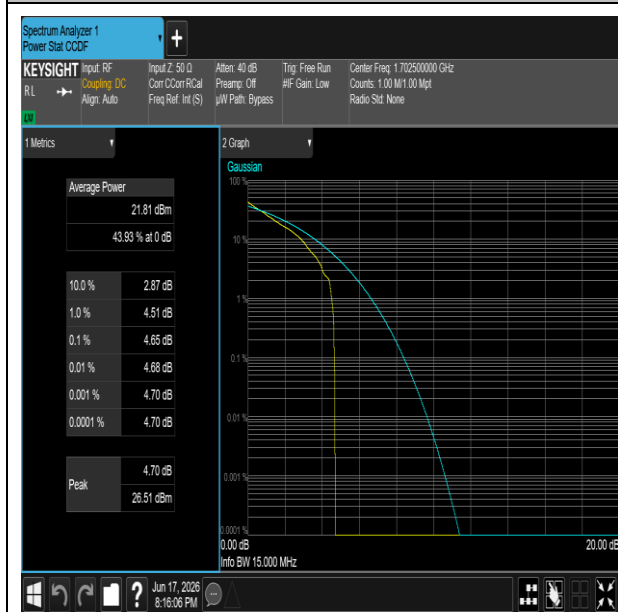
NTNV-n70-PC3-15-10-L-DFT-QPSK-Outer_Full-PASS



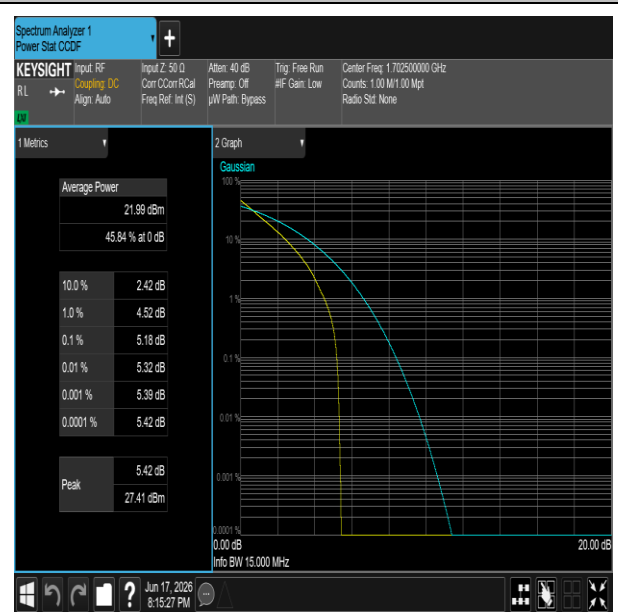
NTNV-n70-PC3-15-10-M-DFT-QPSK-Edge_1RB_Left-PASS



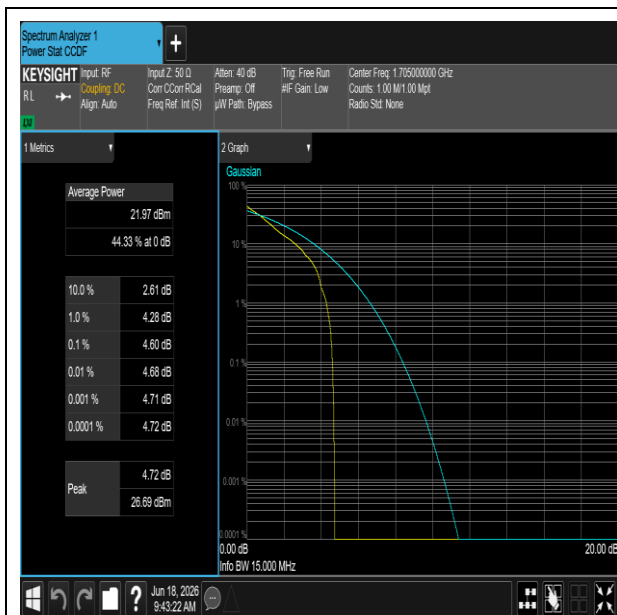
NTNV-n70-PC3-15-10-M-DFT-QPSK-Outer_Full-PASS



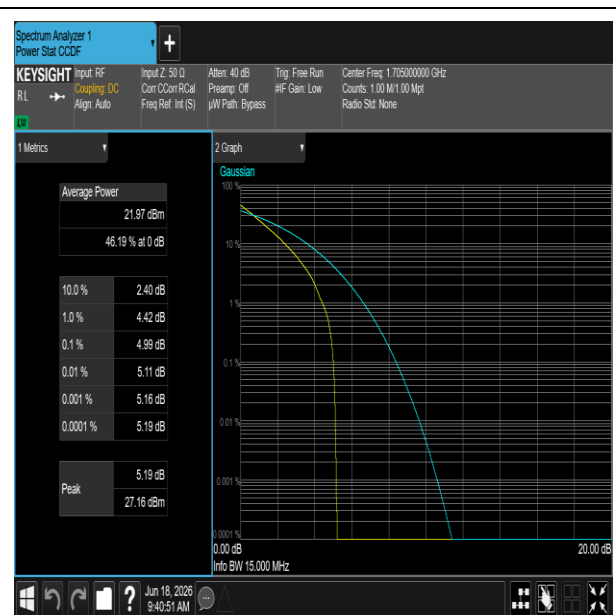
NTNV-n70-PC3-15-10-H-DFT-QPSK-Edge_1RB_Left-PASS



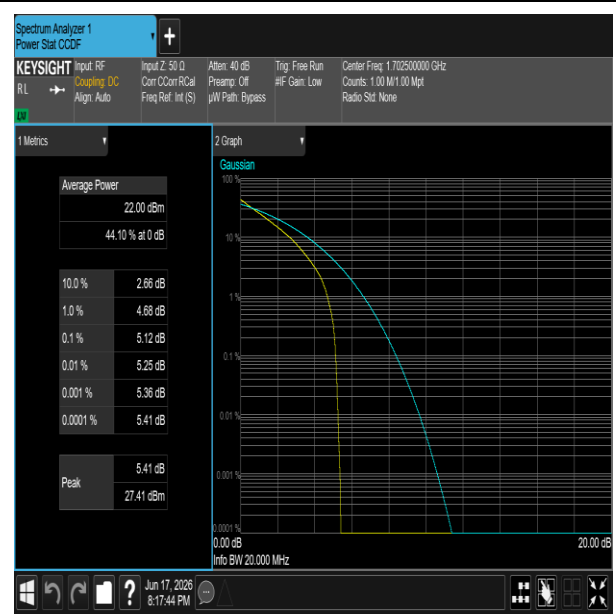
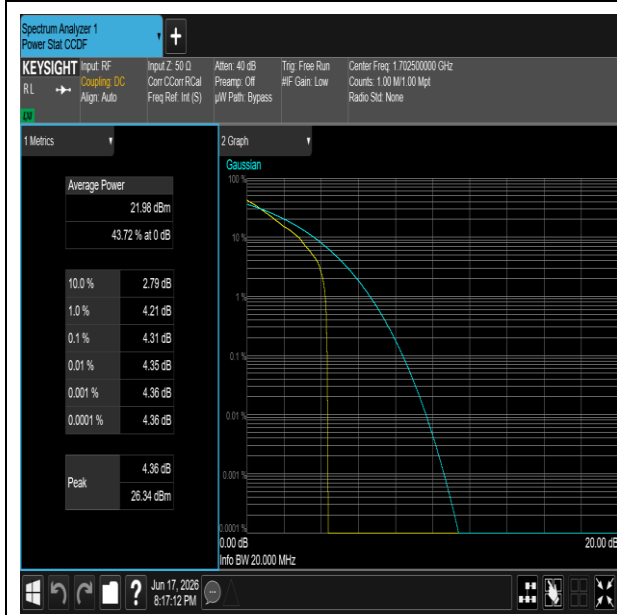
NTNV-n70-PC3-15-10-H-DFT-QPSK-Outer_Full-PASS



NTNV-n70-PC3-15-15-M-DFT-QPSK-Edge_1RB_Left-PASS



NTNV-n70-PC3-15-15-M-DFT-QPSK-Outer_Full-PASS



26dB Bandwidth and Occupied Bandwidth for SA

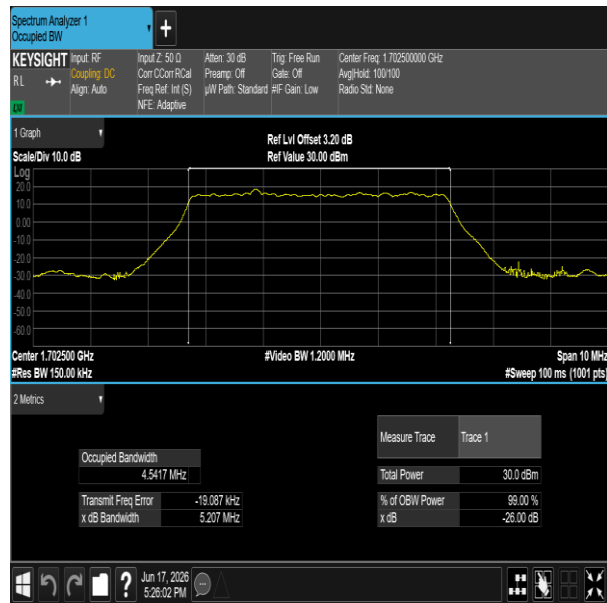
Test Result

Band	SCS (kHz)	Bandwidth (MHz)	Modulation	Channel	RB Config	OBW (MHz)	EBW (MHz)	Verdict
n70	15	5	DFT-BPSK	M	Outer_Full	4.5417	5.207	PASS
n70	15	5	DFT-QPSK	M	Outer_Full	4.5264	5.336	PASS
n70	15	5	DFT-16QAM	M	Outer_Full	4.5364	5.279	PASS
n70	15	5	DFT-64QAM	M	Outer_Full	4.5419	5.372	PASS
n70	15	5	DFT-256QAM	M	Outer_Full	4.5516	5.271	PASS
n70	15	10	DFT-BPSK	M	Outer_Full	8.9987	9.952	PASS
n70	15	10	DFT-QPSK	M	Outer_Full	9.0560	9.980	PASS
n70	15	10	DFT-16QAM	M	Outer_Full	8.9936	9.865	PASS
n70	15	10	DFT-64QAM	M	Outer_Full	8.9726	9.833	PASS
n70	15	10	DFT-256QAM	M	Outer_Full	8.9821	9.860	PASS
n70	15	15	DFT-BPSK	M	Outer_Full	13.410	14.44	PASS
n70	15	15	DFT-QPSK	M	Outer_Full	13.409	14.42	PASS
n70	15	15	DFT-16QAM	M	Outer_Full	13.384	14.34	PASS
n70	15	15	DFT-64QAM	M	Outer_Full	13.415	14.39	PASS
n70	15	15	DFT-256QAM	M	Outer_Full	13.458	14.38	PASS

Test Graphs

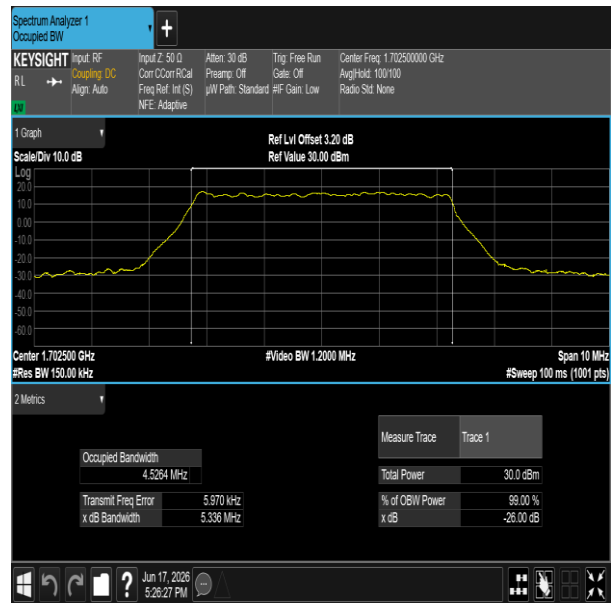
NTNV-n70-PC3-15-5-M-DFT-BPSK-Outer_Full-Ant1-

PASS



NTNV-n70-PC3-15-5-M-DFT-QPSK-Outer_Full-Ant1-

PASS



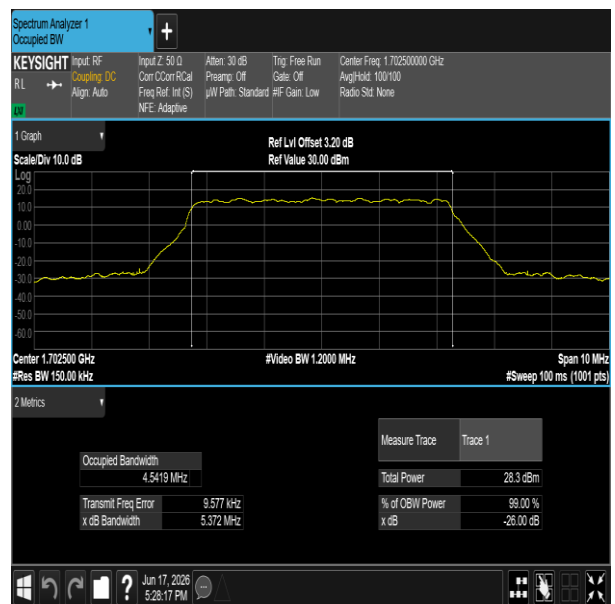
NTNV-n70-PC3-15-5-M-DFT-16QAM-Outer_Full-Ant1-

PASS



NTNV-n70-PC3-15-5-M-DFT-64QAM-Outer_Full-Ant1-

PASS

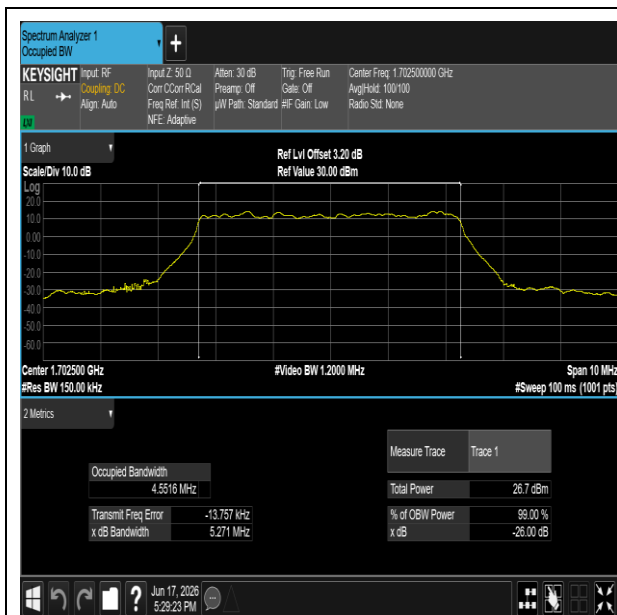


NTNV-n70-PC3-15-5-M-DFT-256QAM-Outer_Full-Ant1-

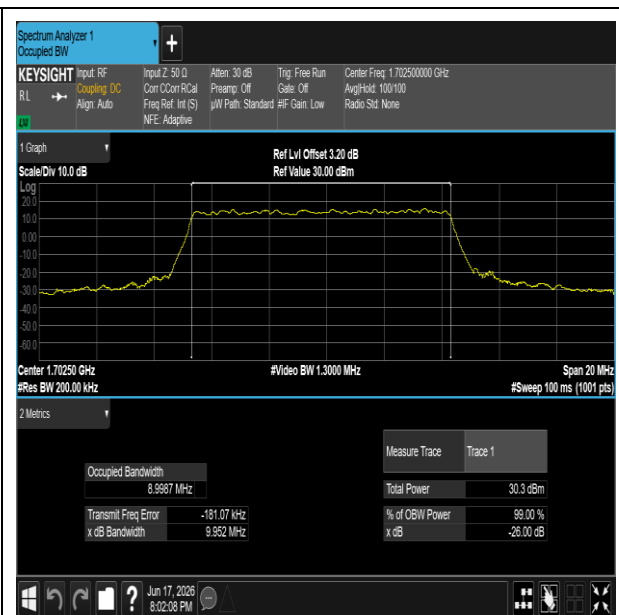
PASS

NTNV-n70-PC3-15-10-M-DFT-BPSK-Outer_Full-Ant1-

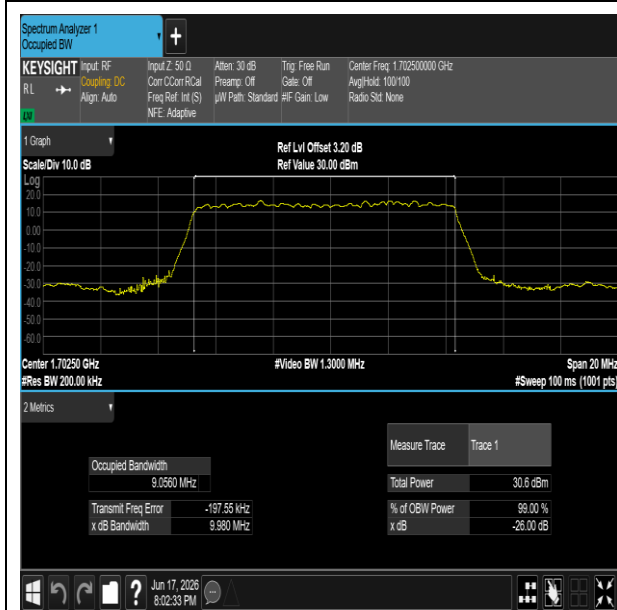
PASS



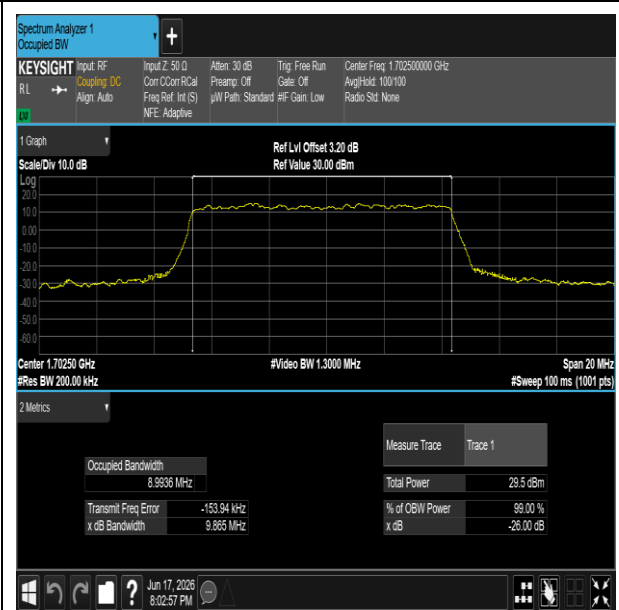
NTNV-n70-PC3-15-10-M-DFT-QPSK-Outer_Full-Ant1-
PASS



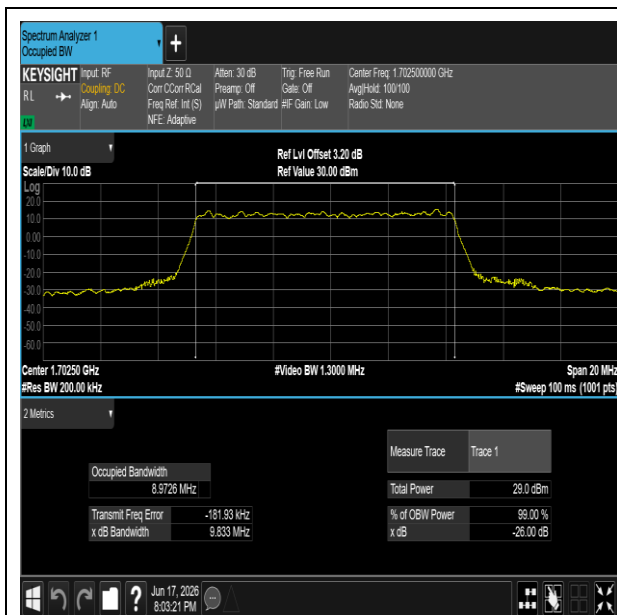
NTNV-n70-PC3-15-10-M-DFT-16QAM-Outer_Full-Ant1-
PASS



NTNV-n70-PC3-15-10-M-DFT-64QAM-Outer_Full-Ant1-
PASS

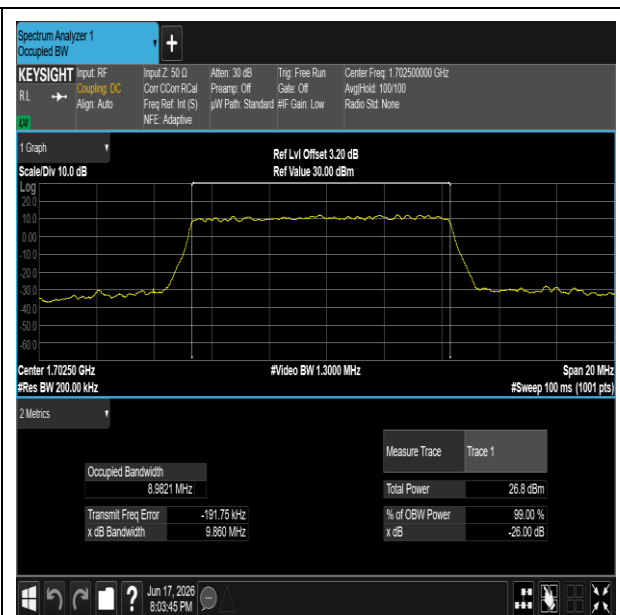


NTNV-n70-PC3-15-10-M-DFT-256QAM-Outer_Full-
Ant1-PASS



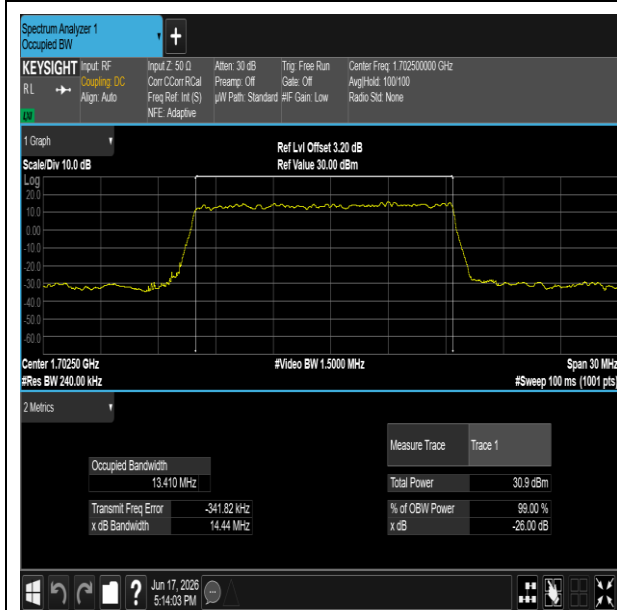
NTNV-n70-PC3-15-15-M-DFT-BPSK-Outter_Full-Ant1-

PASS



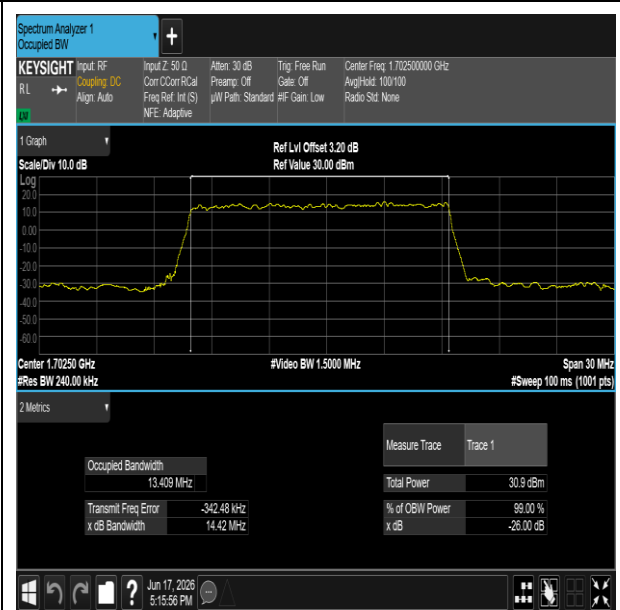
NTNV-n70-PC3-15-15-M-DFT-QPSK-Outter_Full-Ant1-

PASS



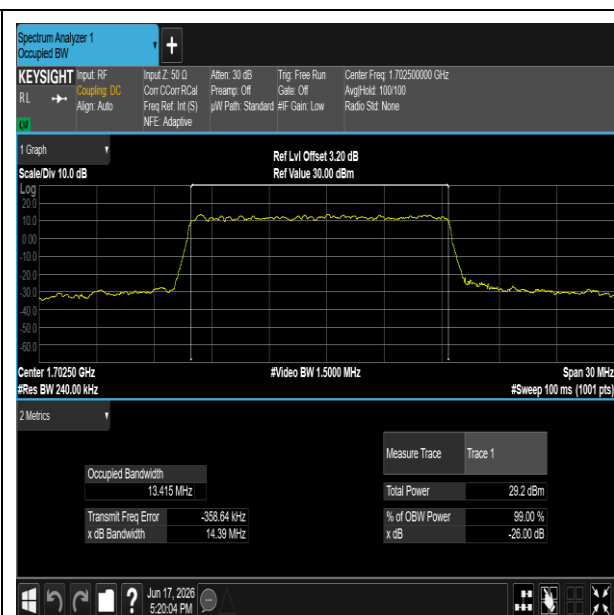
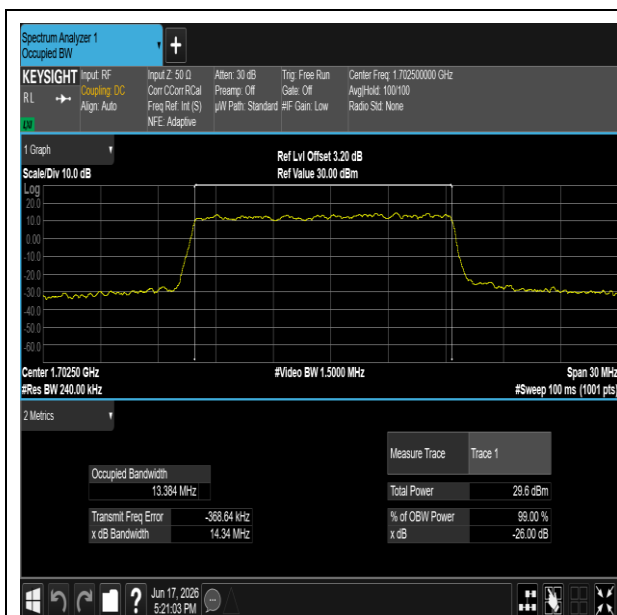
NTNV-n70-PC3-15-15-M-DFT-16QAM-Outter_Full-Ant1-

PASS

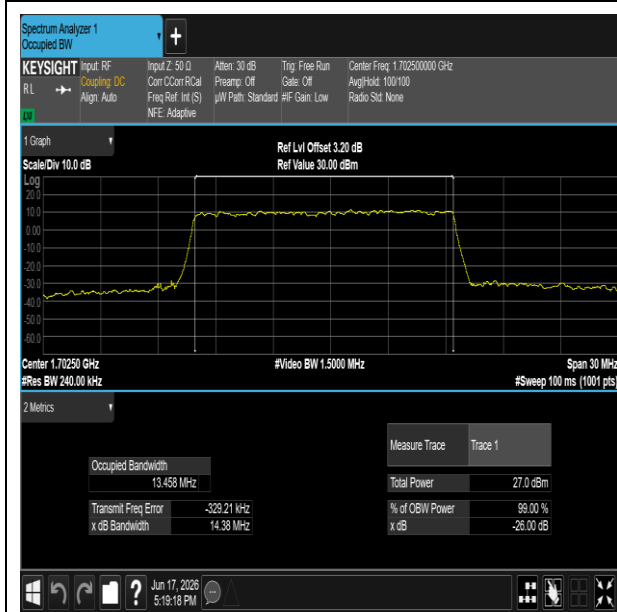


NTNV-n70-PC3-15-15-M-DFT-64QAM-Outter_Full-Ant1-

PASS



NTNV-n70-PC3-15-15-M-DFT-256QAM-Outer_Full-
Ant1-PASS

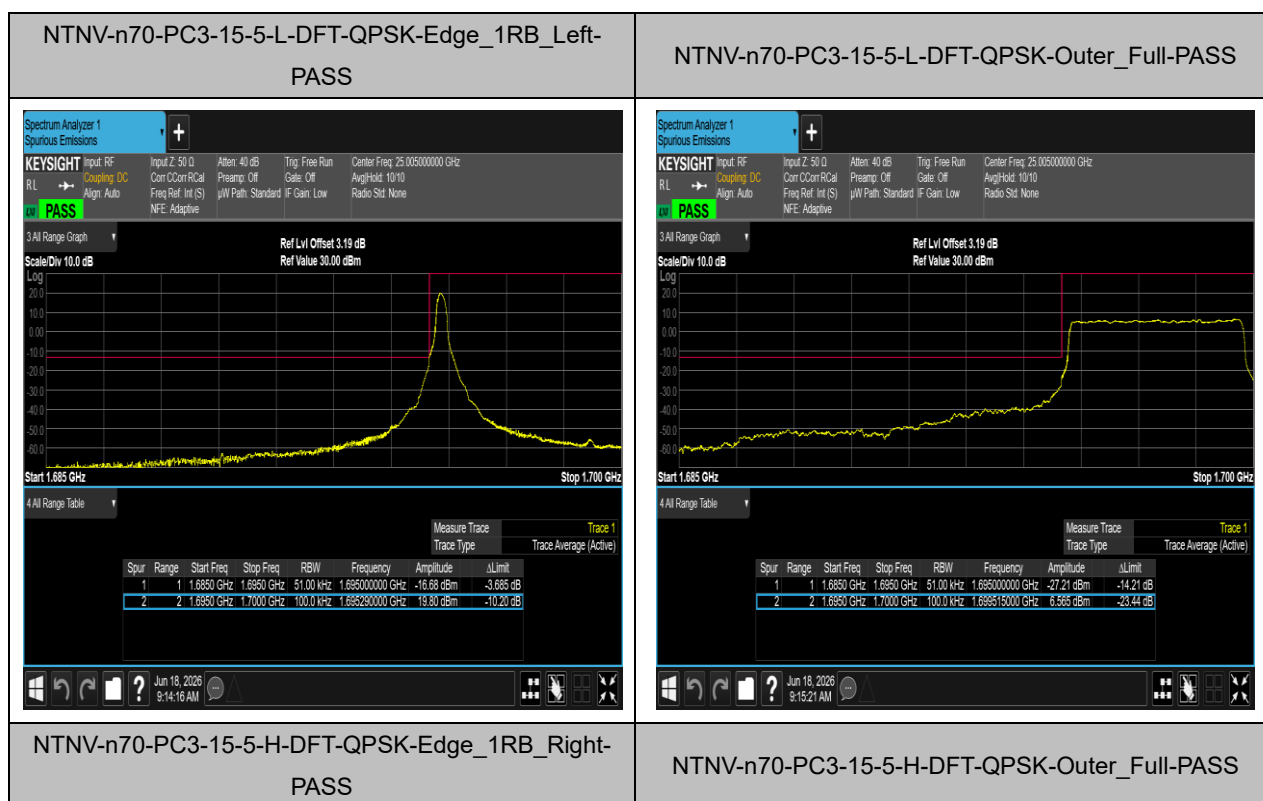


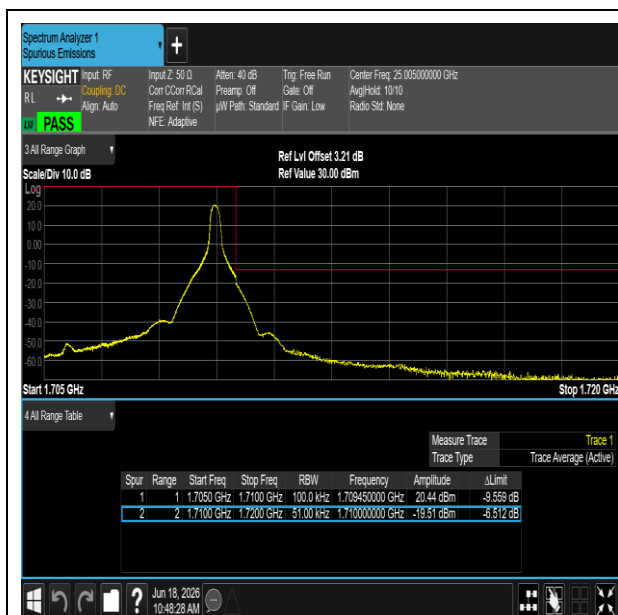
Band Edge for SA

Test Result

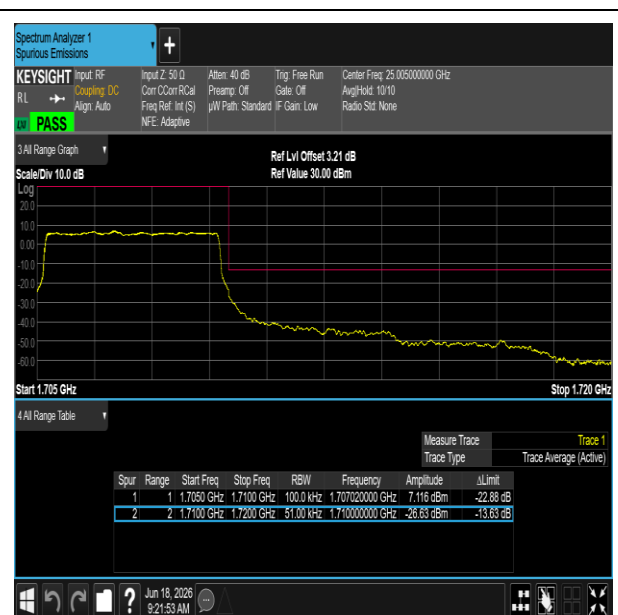
Band	SCS (kHz)	Bandwidth (MHz)	Modulation	Channel	RB Config	Result (dBm)	Verdict
n70	15	5	DFT-QPSK	L	Edge_1RB_Left	-16.68	PASS
n70	15	5	DFT-QPSK	L	Outer_Full	-27.21	PASS
n70	15	5	DFT-QPSK	H	Edge_1RB_Right	-19.51	PASS
n70	15	5	DFT-QPSK	H	Outer_Full	-26.63	PASS
n70	15	10	DFT-QPSK	L	Edge_1RB_Left	-15.46	PASS
n70	15	10	DFT-QPSK	L	Outer_Full	-28.23	PASS
n70	15	10	DFT-QPSK	H	Edge_1RB_Right	-18.38	PASS
n70	15	10	DFT-QPSK	H	Outer_Full	-35.39	PASS
n70	15	15	DFT-QPSK	M	Edge_1RB_Left	-15.89	PASS
n70	15	15	DFT-QPSK	M	Edge_1RB_Right	-18.84	PASS
n70	15	15	DFT-QPSK	M	Outer_Full	-31.01	PASS

Test Graphs

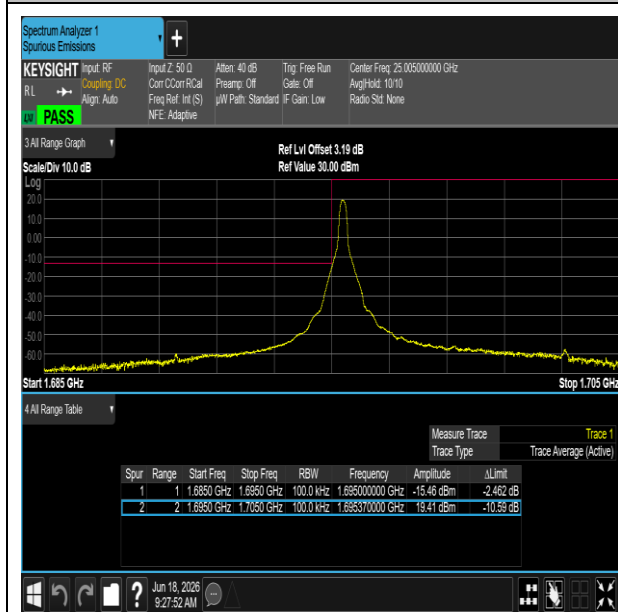




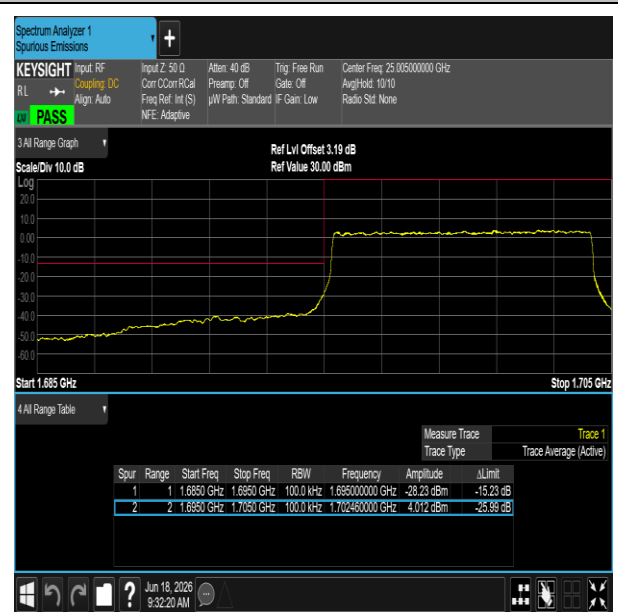
NTNV-n70-PC3-15-10-L-DFT-QPSK-Edge_1RB_Left-PASS



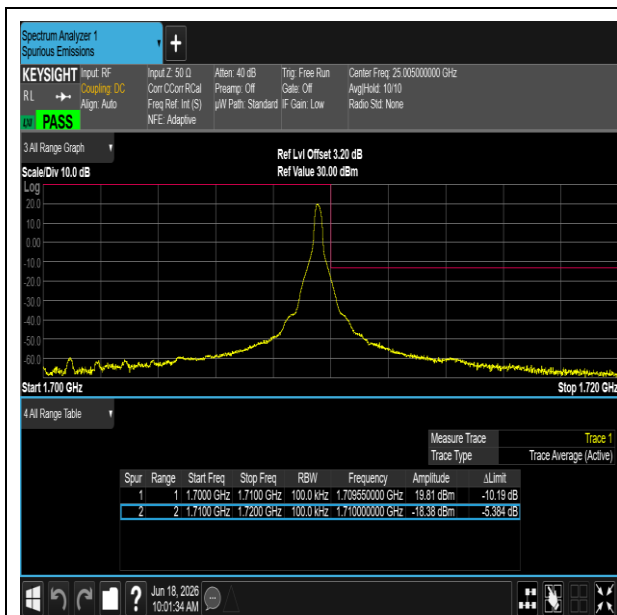
NTNV-n70-PC3-15-10-L-DFT-QPSK-Outer_Full-PASS



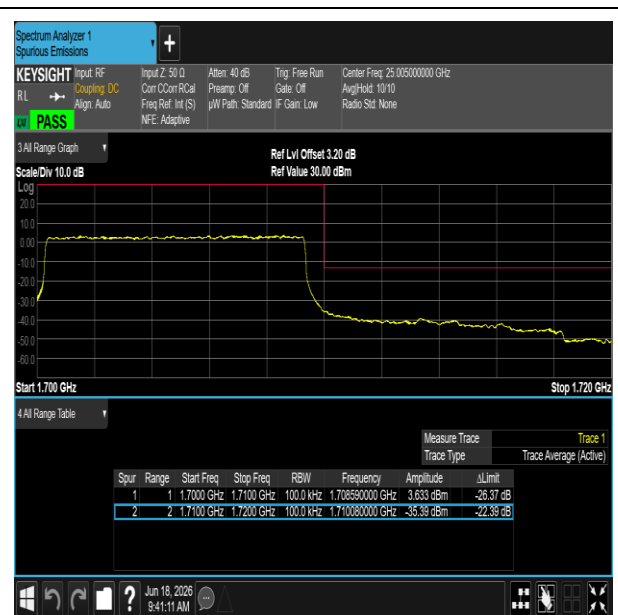
NTNV-n70-PC3-15-10-H-DFT-QPSK-Edge_1RB_Right-PASS



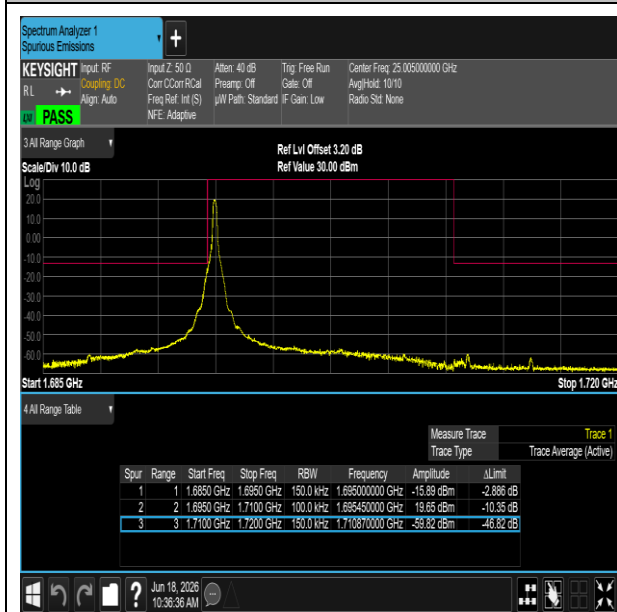
NTNV-n70-PC3-15-10-H-DFT-QPSK-Outer_Full-PASS



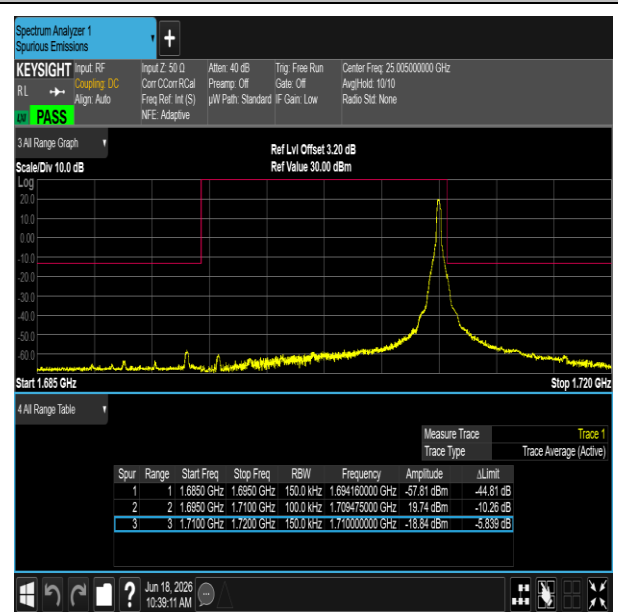
NTNV-n70-PC3-15-15-M-DFT-QPSK-Edge_1RB_Left-PASS

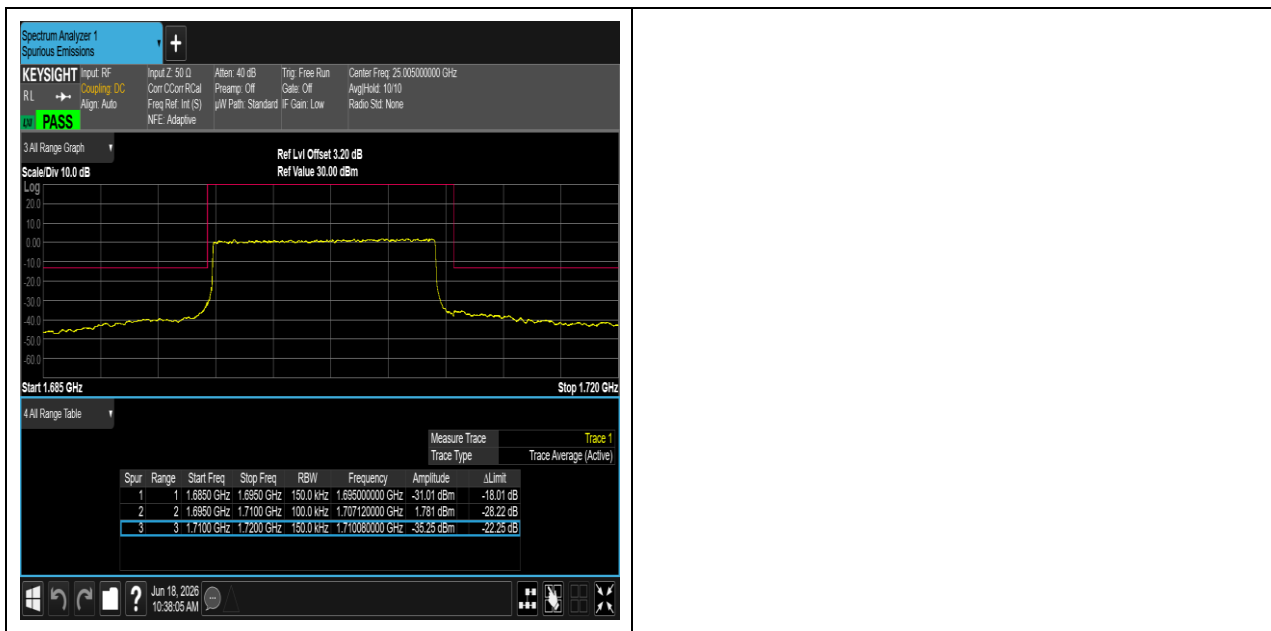


NTNV-n70-PC3-15-15-M-DFT-QPSK-Edge_1RB_Right-PASS



NTNV-n70-PC3-15-15-M-DFT-QPSK-Outer_Full-PASS



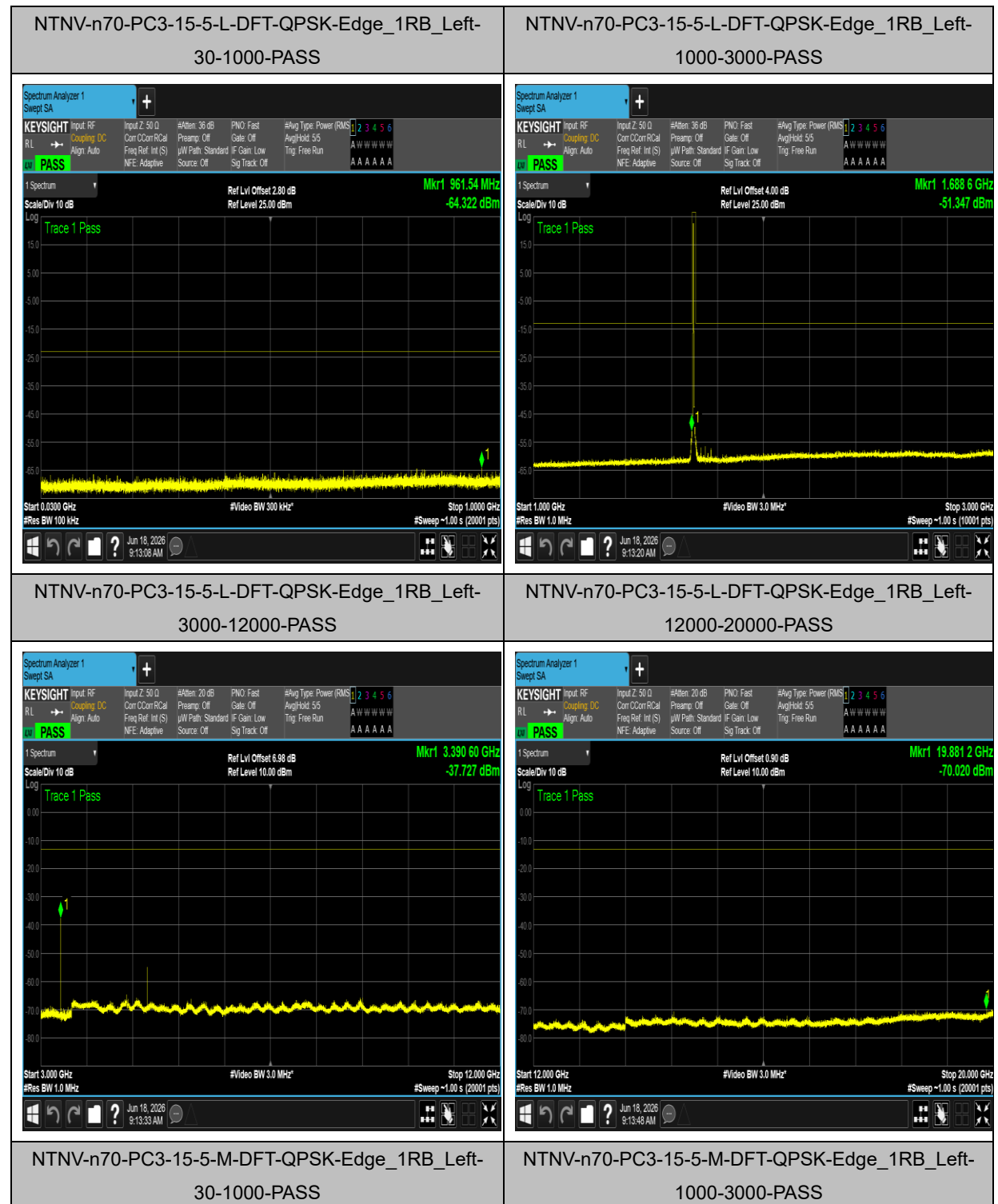


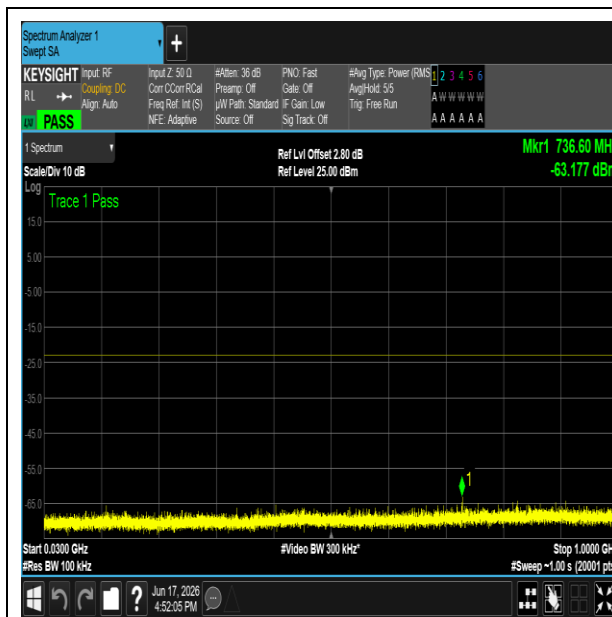
Conducted Spurious Emission for SA

Test Result

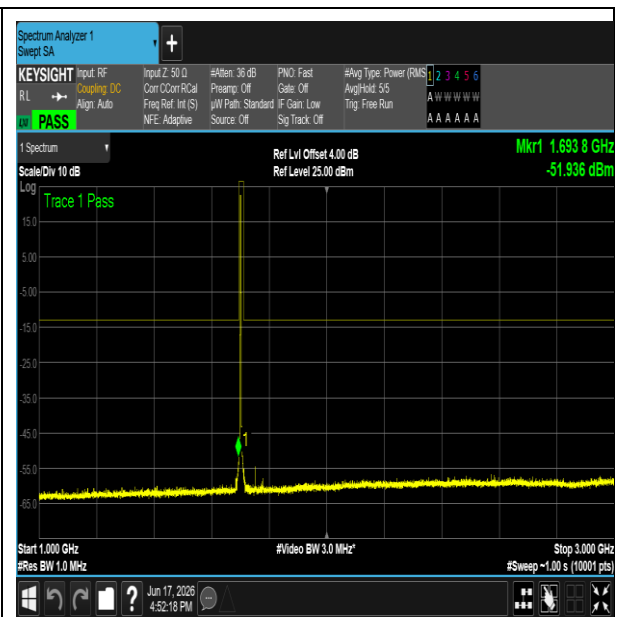
Band	SCS (kHz)	Bandwidth (MHz)	Modulation	Channel	RB Config	StartFreq (MHz)	StopFreq (MHz)	Result (dBm)	Limit	Verdict
n70	15	5	DFT-QPSK	L	Edge_1RB_Left	30	1000	-64.32	≤-23dBm	PASS
n70	15	5	DFT-QPSK	L	Edge_1RB_Left	1000	3000	-51.35	≤-13dBm	PASS
n70	15	5	DFT-QPSK	L	Edge_1RB_Left	3000	12000	-37.73	≤-13dBm	PASS
n70	15	5	DFT-QPSK	L	Edge_1RB_Left	12000	20000	-70.02	≤-13dBm	PASS
n70	15	5	DFT-QPSK	M	Edge_1RB_Left	30	1000	-63.18	≤-23dBm	PASS
n70	15	5	DFT-QPSK	M	Edge_1RB_Left	1000	3000	-51.94	≤-13dBm	PASS
n70	15	5	DFT-QPSK	M	Edge_1RB_Left	3000	12000	-37.83	≤-13dBm	PASS
n70	15	5	DFT-QPSK	M	Edge_1RB_Left	12000	20000	-69.87	≤-13dBm	PASS
n70	15	5	DFT-QPSK	H	Edge_1RB_Left	30	1000	-62.42	≤-23dBm	PASS
n70	15	5	DFT-QPSK	H	Edge_1RB_Left	1000	3000	-52.99	≤-13dBm	PASS
n70	15	5	DFT-QPSK	H	Edge_1RB_Left	3000	12000	-37.43	≤-13dBm	PASS
n70	15	5	DFT-QPSK	H	Edge_1RB_Left	12000	20000	-69.56	≤-13dBm	PASS
n70	15	10	DFT-QPSK	L	Edge_1RB_Left	30	1000	-63.33	≤-23dBm	PASS
n70	15	10	DFT-QPSK	L	Edge_1RB_Left	1000	3000	-52.22	≤-13dBm	PASS
n70	15	10	DFT-QPSK	L	Edge_1RB_Left	3000	12000	-38.28	≤-13dBm	PASS
n70	15	10	DFT-QPSK	L	Edge_1RB_Left	12000	20000	-70.01	≤-13dBm	PASS
n70	15	10	DFT-QPSK	M	Edge_1RB_Left	30	1000	-64.48	≤-23dBm	PASS
n70	15	10	DFT-QPSK	M	Edge_1RB_Left	1000	3000	-52.04	≤-13dBm	PASS
n70	15	10	DFT-QPSK	M	Edge_1RB_Left	3000	12000	-38.83	≤-13dBm	PASS
n70	15	10	DFT-QPSK	M	Edge_1RB_Left	12000	20000	-69.58	≤-13dBm	PASS
n70	15	10	DFT-QPSK	H	Edge_1RB_Left	30	1000	-65.22	≤-23dBm	PASS
n70	15	10	DFT-QPSK	H	Edge_1RB_Left	1000	3000	-52.34	≤-13dBm	PASS
n70	15	10	DFT-QPSK	H	Edge_1RB_Left	3000	12000	-37.91	≤-13dBm	PASS
n70	15	10	DFT-QPSK	H	Edge_1RB_Left	12000	20000	-70.24	≤-13dBm	PASS
n70	15	15	DFT-QPSK	M	Edge_1RB_Left	30	1000	-63.18	≤-23dBm	PASS
n70	15	15	DFT-QPSK	M	Edge_1RB_Left	1000	3000	-54.59	≤-13dBm	PASS
n70	15	15	DFT-QPSK	M	Edge_1RB_Left	3000	12000	-38.14	≤-13dBm	PASS
n70	15	15	DFT-QPSK	M	Edge_1RB_Left	12000	20000	-70.03	≤-13dBm	PASS

Test Graphs

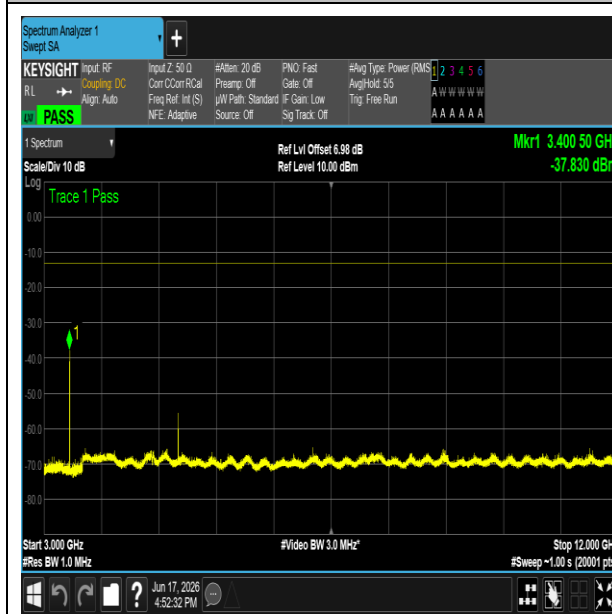




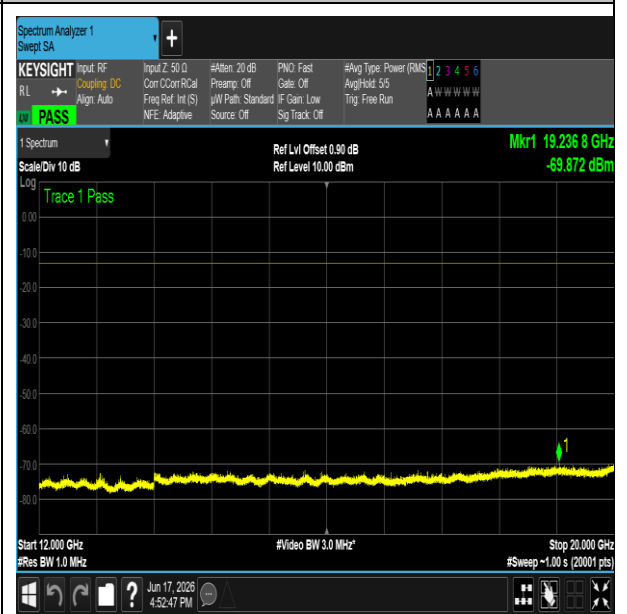
NTNV-n70-PC3-15-5-M-DFT-QPSK-Edge_1RB_Left-
3000-12000-PASS



NTNV-n70-PC3-15-5-M-DFT-QPSK-Edge_1RB_Left-
12000-20000-PASS



NTNV-n70-PC3-15-5-H-DFT-QPSK-Edge_1RB_Left-
30-1000-PASS



NTNV-n70-PC3-15-5-H-DFT-QPSK-Edge_1RB_Left-
1000-3000-PASS