

Appendix-B NR Band n7

Effective (Isotropic) Radiated Power Output Data for SA

Test Result

Band	SCS	BW	Modulation	CH	RB Config	Power (dBm)	EIRP (dBm)	Limit (dBm)	Verdict
n7	15	50	DFT-BPSK	L	Inner_1RB_Left	24.04	27.54	33	PASS
n7	15	50	DFT-BPSK	L	Inner_1RB_Right	24.27	27.77	33	PASS
n7	15	50	DFT-BPSK	L	Inner_Full	24.26	27.76	33	PASS
n7	15	50	DFT-BPSK	L	Outer_Full	23.64	27.14	33	PASS
n7	15	50	DFT-QPSK	L	Inner_1RB_Left	24.07	27.57	33	PASS
n7	15	50	DFT-QPSK	L	Inner_1RB_Right	24.29	27.79	33	PASS
n7	15	50	DFT-QPSK	L	Inner_Full	24.12	27.62	33	PASS
n7	15	50	DFT-QPSK	L	Outer_Full	23.21	26.71	33	PASS
n7	15	50	DFT-16QAM	L	Inner_1RB_Left	23.42	26.92	33	PASS
n7	15	50	DFT-16QAM	L	Inner_1RB_Right	23.6	27.1	33	PASS
n7	15	50	DFT-16QAM	L	Inner_Full	23.14	26.64	33	PASS
n7	15	50	DFT-16QAM	L	Outer_Full	22.15	25.65	33	PASS
n7	15	50	DFT-64QAM	L	Inner_1RB_Left	21.91	25.41	33	PASS
n7	15	50	DFT-64QAM	L	Inner_1RB_Right	21.98	25.48	33	PASS
n7	15	50	DFT-64QAM	L	Inner_Full	21.59	25.09	33	PASS
n7	15	50	DFT-64QAM	L	Outer_Full	21.65	25.15	33	PASS
n7	15	50	DFT-256QAM	L	Inner_1RB_Left	19.94	23.44	33	PASS
n7	15	50	DFT-256QAM	L	Inner_1RB_Right	19.37	22.87	33	PASS
n7	15	50	DFT-256QAM	L	Inner_Full	19.61	23.11	33	PASS
n7	15	50	DFT-256QAM	L	Outer_Full	19.68	23.18	33	PASS
n7	15	50	DFT-BPSK	M	Inner_1RB_Left	24.24	27.74	33	PASS
n7	15	50	DFT-BPSK	M	Inner_1RB_Right	24.37	27.87	33	PASS
n7	15	50	DFT-BPSK	M	Inner_Full	24.26	27.76	33	PASS
n7	15	50	DFT-BPSK	M	Outer_Full	23.7	27.2	33	PASS
n7	15	50	DFT-QPSK	M	Inner_1RB_Left	24.02	27.52	33	PASS
n7	15	50	DFT-QPSK	M	Inner_1RB_Right	24.22	27.72	33	PASS
n7	15	50	DFT-QPSK	M	Inner_Full	24.1	27.6	33	PASS
n7	15	50	DFT-QPSK	M	Outer_Full	23.2	26.7	33	PASS
n7	15	50	DFT-16QAM	M	Inner_1RB_Left	23.4	26.9	33	PASS
n7	15	50	DFT-16QAM	M	Inner_1RB_Right	23.53	27.03	33	PASS
n7	15	50	DFT-16QAM	M	Inner_Full	23.14	26.64	33	PASS
n7	15	50	DFT-16QAM	M	Outer_Full	22.13	25.63	33	PASS
n7	15	50	DFT-64QAM	M	Inner_1RB_Left	21.91	25.41	33	PASS
n7	15	50	DFT-64QAM	M	Inner_1RB_Right	22.04	25.54	33	PASS
n7	15	50	DFT-64QAM	M	Inner_Full	21.73	25.23	33	PASS
n7	15	50	DFT-64QAM	M	Outer_Full	21.69	25.19	33	PASS
n7	15	50	DFT-256QAM	M	Inner_1RB_Left	20.05	23.55	33	PASS
n7	15	50	DFT-256QAM	M	Inner_1RB_Right	19.39	22.89	33	PASS

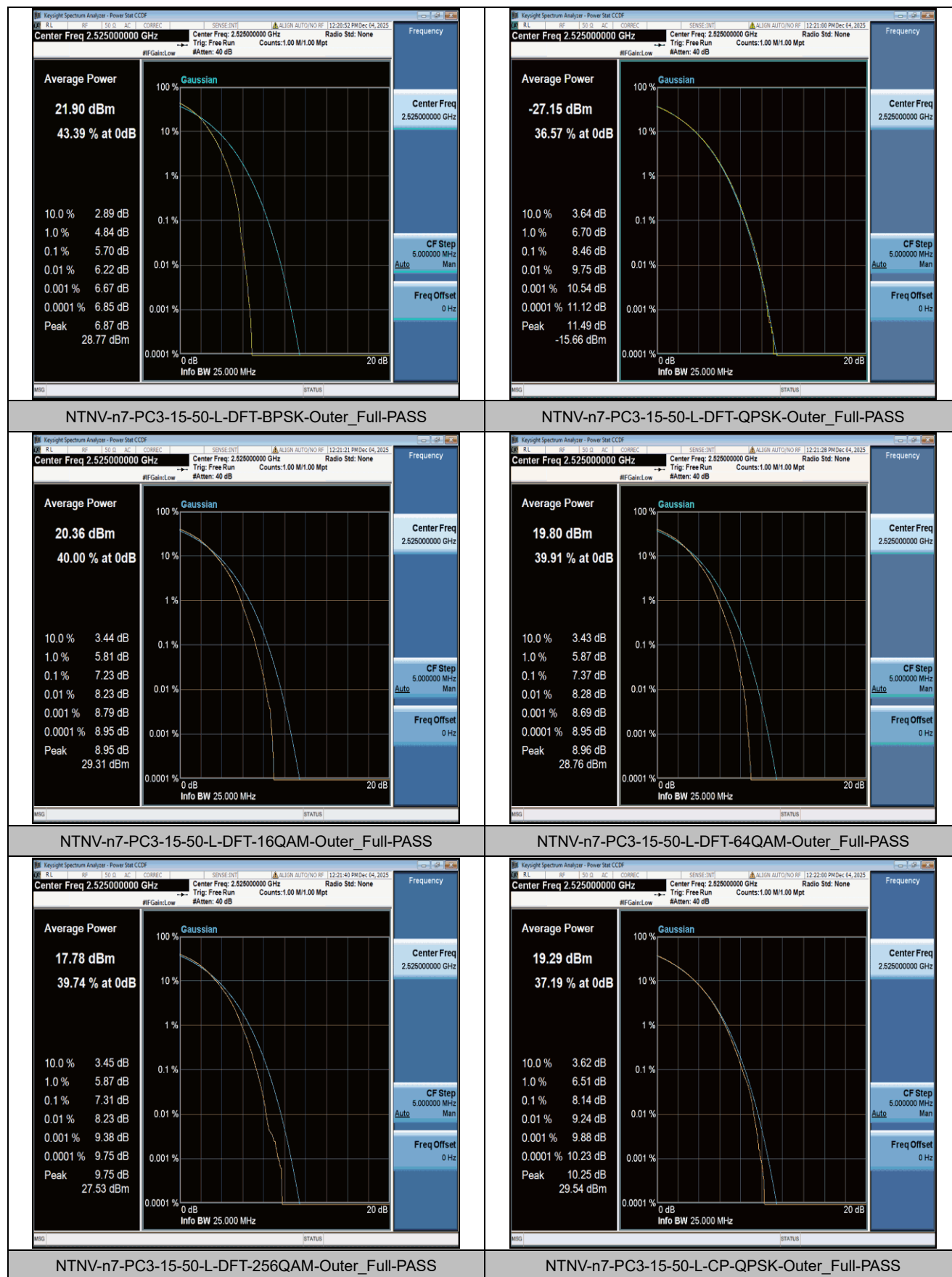
n7	15	50	DFT-256QAM	M	Inner_Full	19.68	23.18	33	PASS
n7	15	50	DFT-256QAM	M	Outer_Full	19.7	23.2	33	PASS
n7	15	50	DFT-BPSK	H	Inner_1RB_Left	24.05	27.55	33	PASS
n7	15	50	DFT-BPSK	H	Inner_1RB_Right	24.29	27.79	33	PASS
n7	15	50	DFT-BPSK	H	Inner_Full	24.28	27.78	33	PASS
n7	15	50	DFT-BPSK	H	Outer_Full	23.66	27.16	33	PASS
n7	15	50	DFT-QPSK	H	Inner_1RB_Left	24.06	27.56	33	PASS
n7	15	50	DFT-QPSK	H	Inner_1RB_Right	24.3	27.8	33	PASS
n7	15	50	DFT-QPSK	H	Inner_Full	24.28	27.78	33	PASS
n7	15	50	DFT-QPSK	H	Outer_Full	23.19	26.69	33	PASS
n7	15	50	DFT-16QAM	H	Inner_1RB_Left	23.26	26.76	33	PASS
n7	15	50	DFT-16QAM	H	Inner_1RB_Right	23.56	27.06	33	PASS
n7	15	50	DFT-16QAM	H	Inner_Full	23.2	26.7	33	PASS
n7	15	50	DFT-16QAM	H	Outer_Full	22.16	25.66	33	PASS
n7	15	50	DFT-64QAM	H	Inner_1RB_Left	21.74	25.24	33	PASS
n7	15	50	DFT-64QAM	H	Inner_1RB_Right	21.88	25.38	33	PASS
n7	15	50	DFT-64QAM	H	Inner_Full	21.75	25.25	33	PASS
n7	15	50	DFT-64QAM	H	Outer_Full	21.67	25.17	33	PASS
n7	15	50	DFT-256QAM	H	Inner_1RB_Left	19.93	23.43	33	PASS
n7	15	50	DFT-256QAM	H	Inner_1RB_Right	19.31	22.81	33	PASS
n7	15	50	DFT-256QAM	H	Inner_Full	19.74	23.24	33	PASS
n7	15	50	DFT-256QAM	H	Outer_Full	19.65	23.15	33	PASS

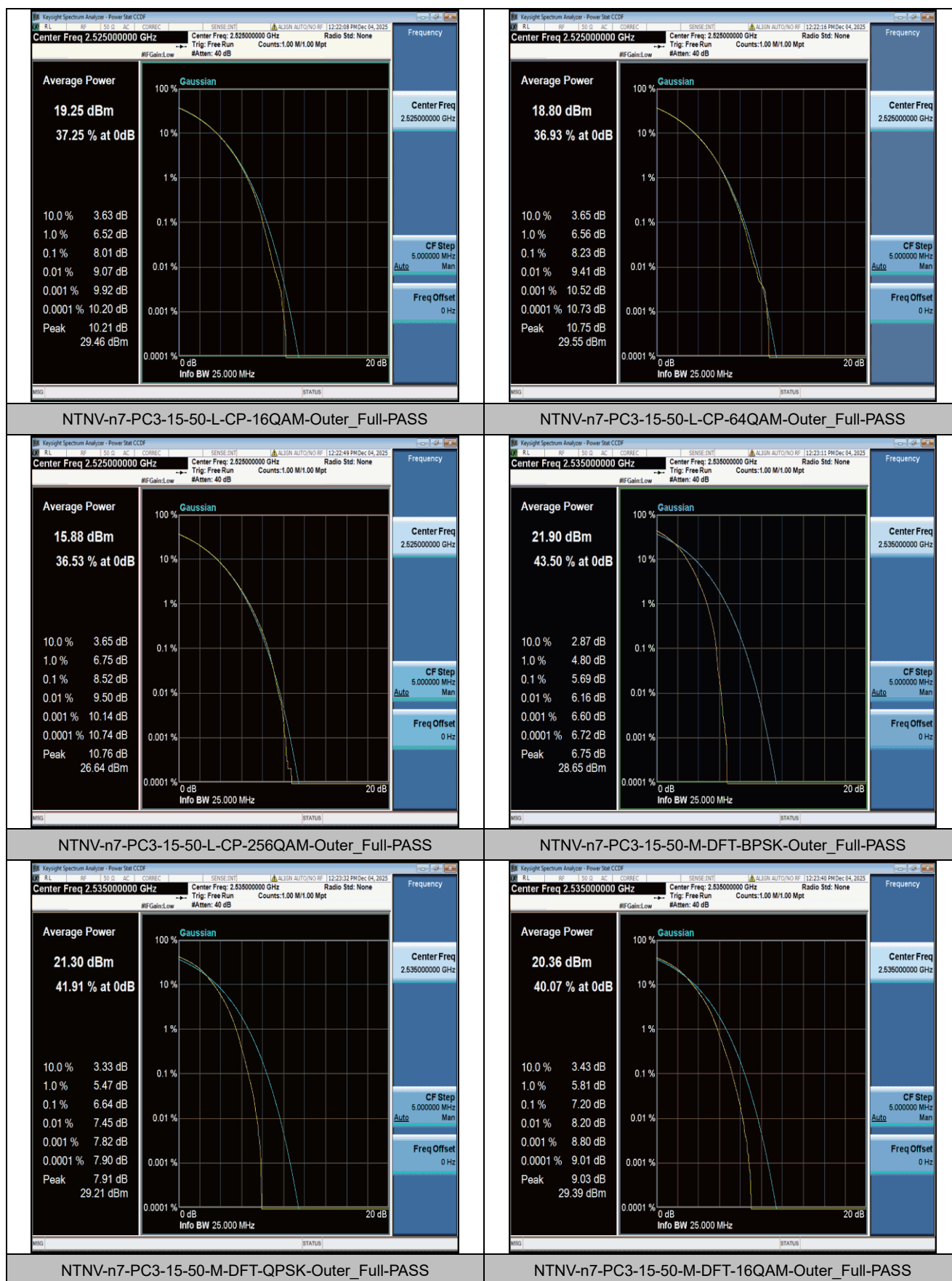
Peak-to-Average Ratio for SA

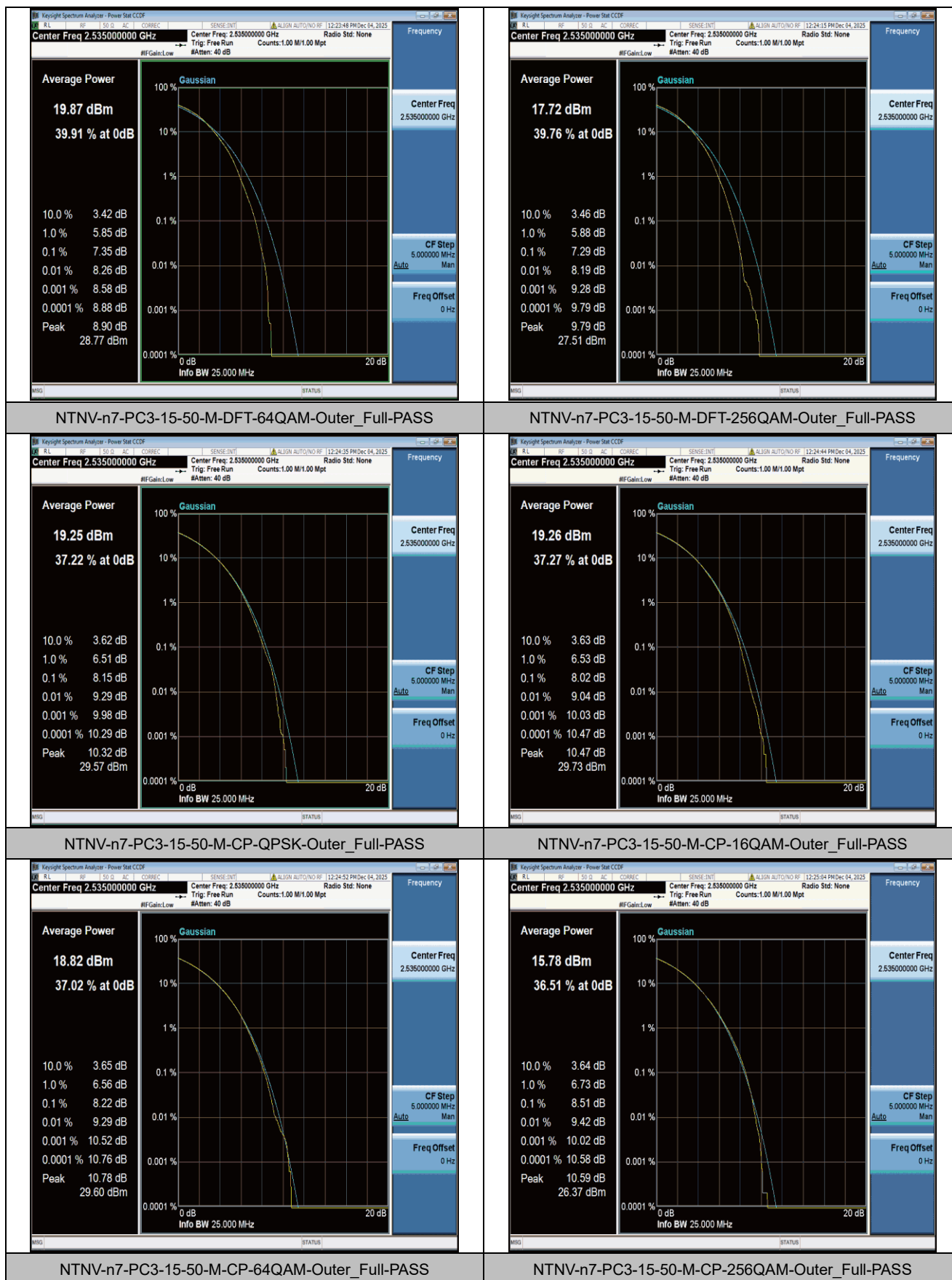
Test Result

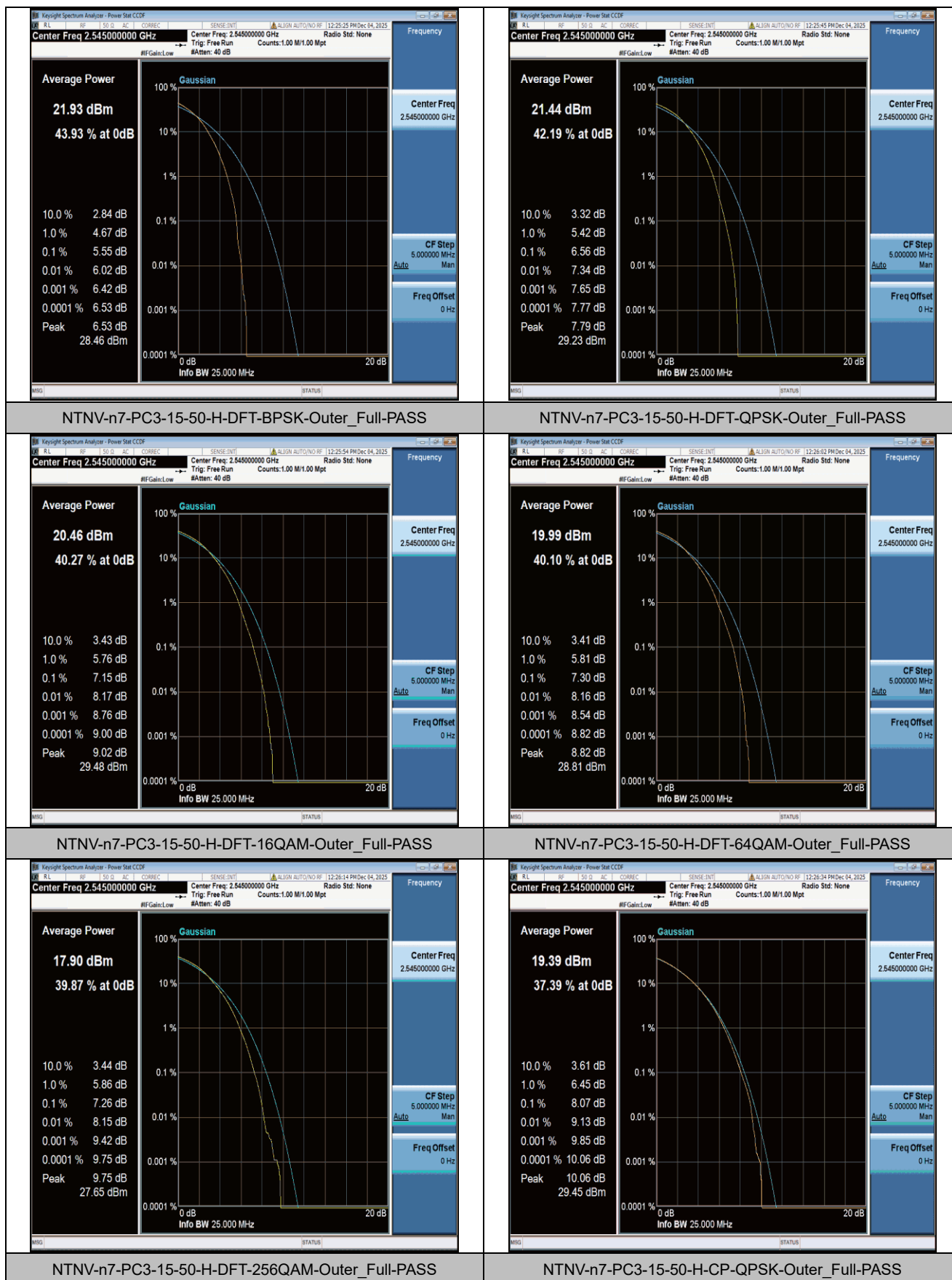
Band	SCS	Bandwidth	Modulation	Channel	RB Config	Result	Limit	Verdict
n7	15	50	DFT-BPSK	L	Outer_Full	5.7	≤13dB	PASS
n7	15	50	DFT-QPSK	L	Outer_Full	8.46	≤13dB	PASS
n7	15	50	DFT-16QAM	L	Outer_Full	7.23	≤13dB	PASS
n7	15	50	DFT-64QAM	L	Outer_Full	7.37	≤13dB	PASS
n7	15	50	DFT-256QAM	L	Outer_Full	7.31	≤13dB	PASS
n7	15	50	CP-QPSK	L	Outer_Full	8.14	≤13dB	PASS
n7	15	50	CP-16QAM	L	Outer_Full	8.01	≤13dB	PASS
n7	15	50	CP-64QAM	L	Outer_Full	8.23	≤13dB	PASS
n7	15	50	CP-256QAM	L	Outer_Full	8.52	≤13dB	PASS
n7	15	50	DFT-BPSK	M	Outer_Full	5.69	≤13dB	PASS
n7	15	50	DFT-QPSK	M	Outer_Full	6.64	≤13dB	PASS
n7	15	50	DFT-16QAM	M	Outer_Full	7.2	≤13dB	PASS
n7	15	50	DFT-64QAM	M	Outer_Full	7.35	≤13dB	PASS
n7	15	50	DFT-256QAM	M	Outer_Full	7.29	≤13dB	PASS
n7	15	50	CP-QPSK	M	Outer_Full	8.15	≤13dB	PASS
n7	15	50	CP-16QAM	M	Outer_Full	8.02	≤13dB	PASS
n7	15	50	CP-64QAM	M	Outer_Full	8.22	≤13dB	PASS
n7	15	50	CP-256QAM	M	Outer_Full	8.51	≤13dB	PASS
n7	15	50	DFT-BPSK	H	Outer_Full	5.55	≤13dB	PASS
n7	15	50	DFT-QPSK	H	Outer_Full	6.56	≤13dB	PASS
n7	15	50	DFT-16QAM	H	Outer_Full	7.15	≤13dB	PASS
n7	15	50	DFT-64QAM	H	Outer_Full	7.3	≤13dB	PASS
n7	15	50	DFT-256QAM	H	Outer_Full	7.26	≤13dB	PASS
n7	15	50	CP-QPSK	H	Outer_Full	8.07	≤13dB	PASS
n7	15	50	CP-16QAM	H	Outer_Full	7.95	≤13dB	PASS
n7	15	50	CP-64QAM	H	Outer_Full	8.14	≤13dB	PASS
n7	15	50	CP-256QAM	H	Outer_Full	8.48	≤13dB	PASS

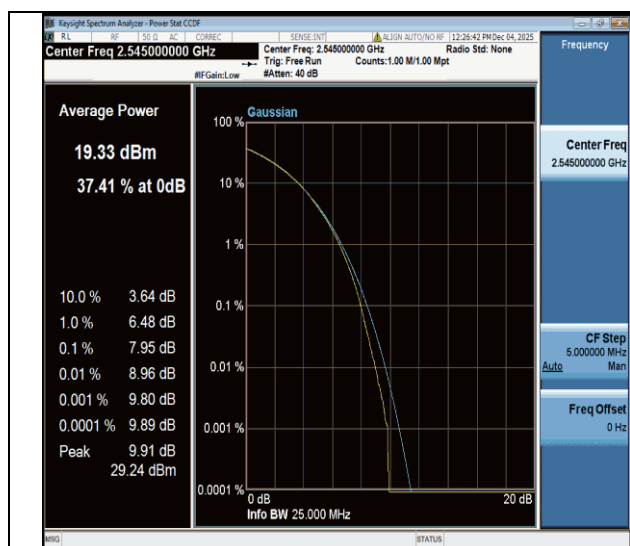
Test Graphs



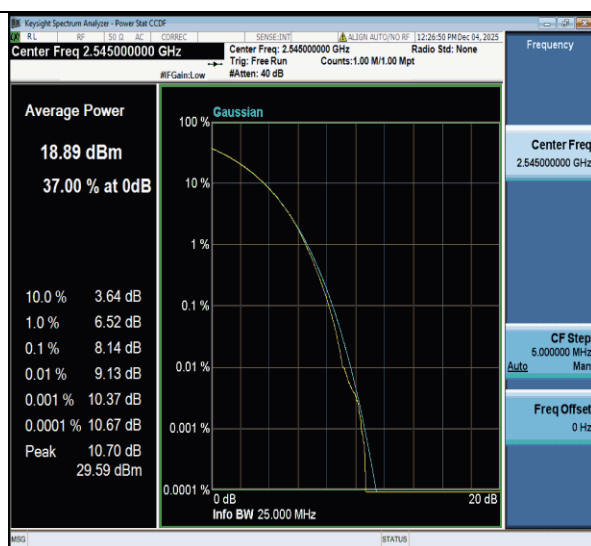




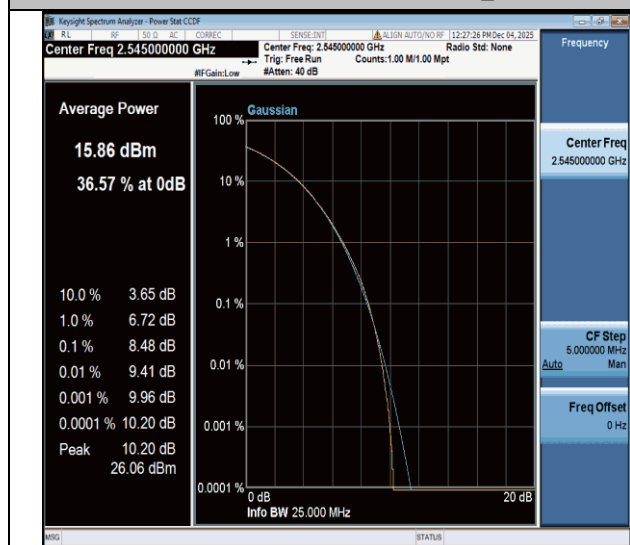




NTNV-n7-PC3-15-50-H-CP-16QAM-Outer_Full-PASS



NTNV-n7-PC3-15-50-H-CP-64QAM-Outer_Full-PASS

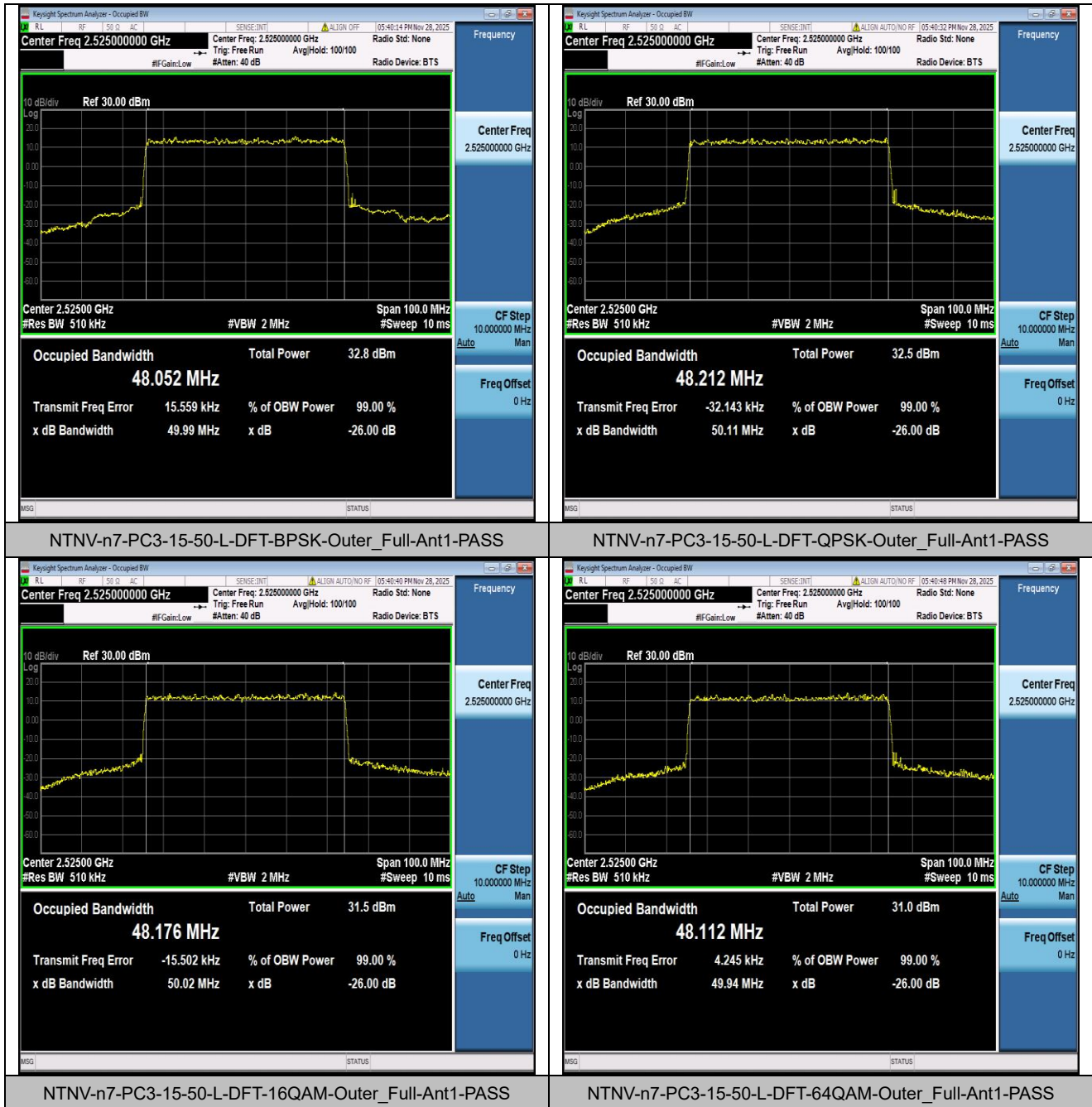


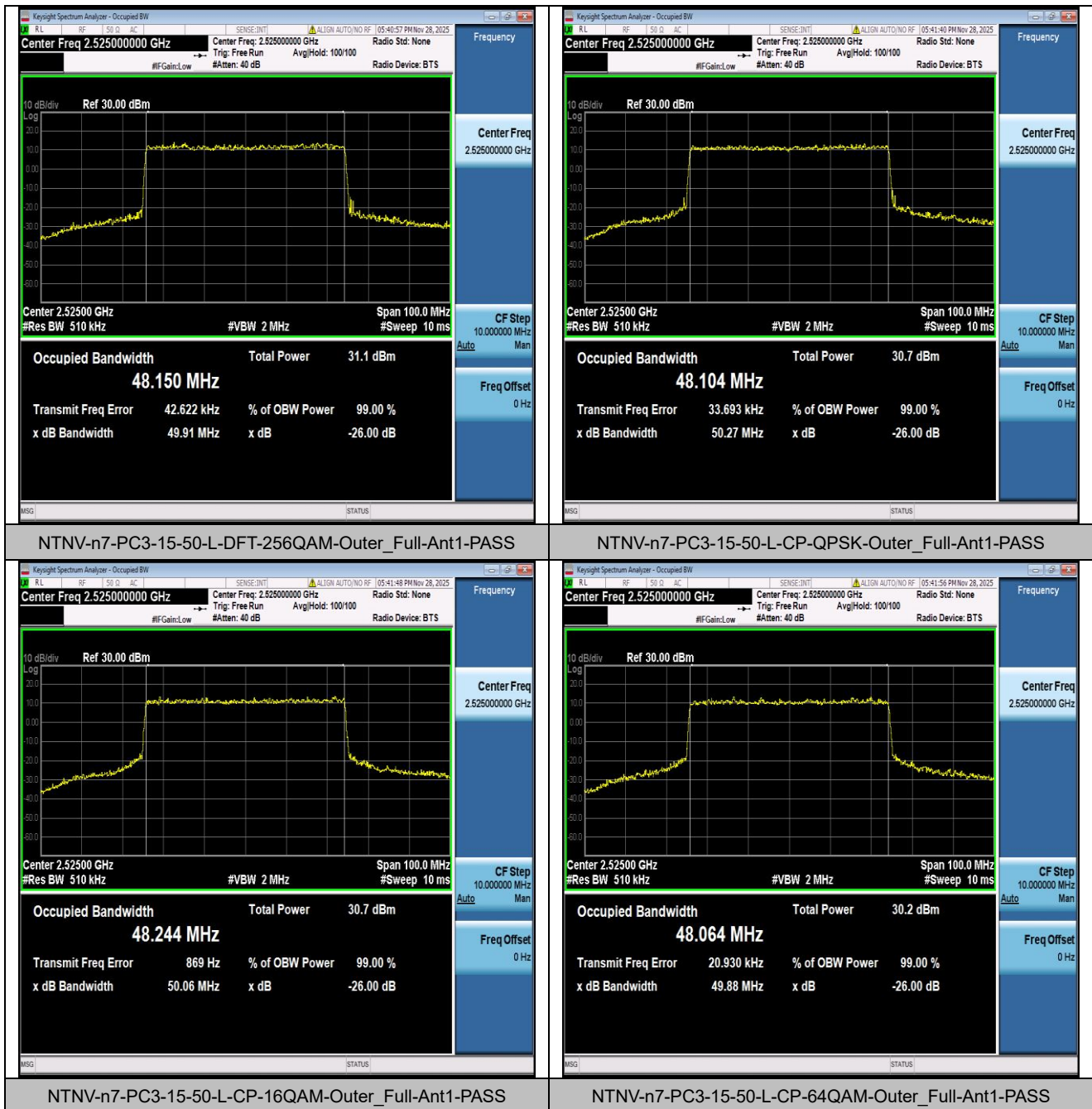
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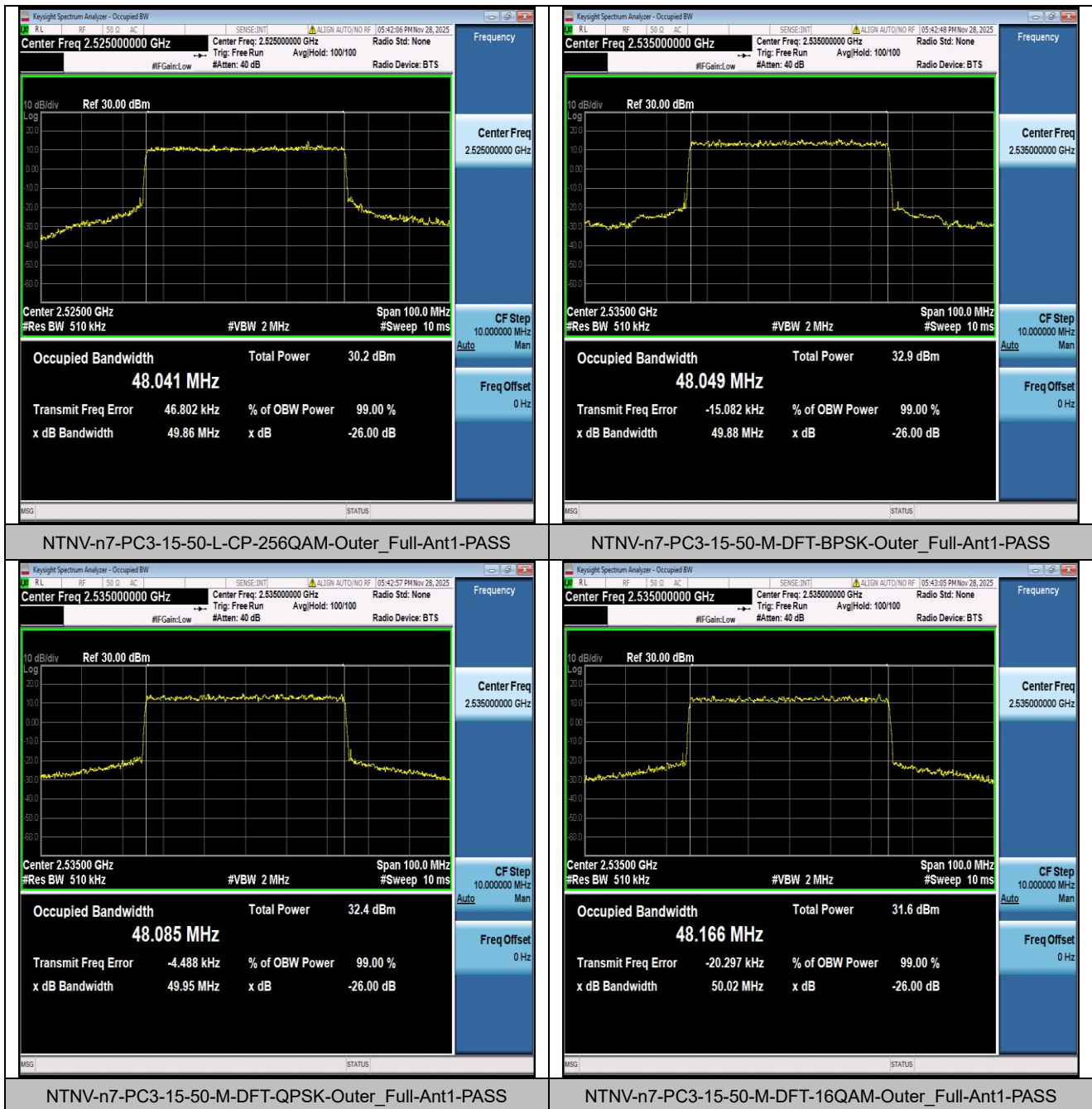
26dB Bandwidth and Occupied Bandwidth for SA**Test Result**

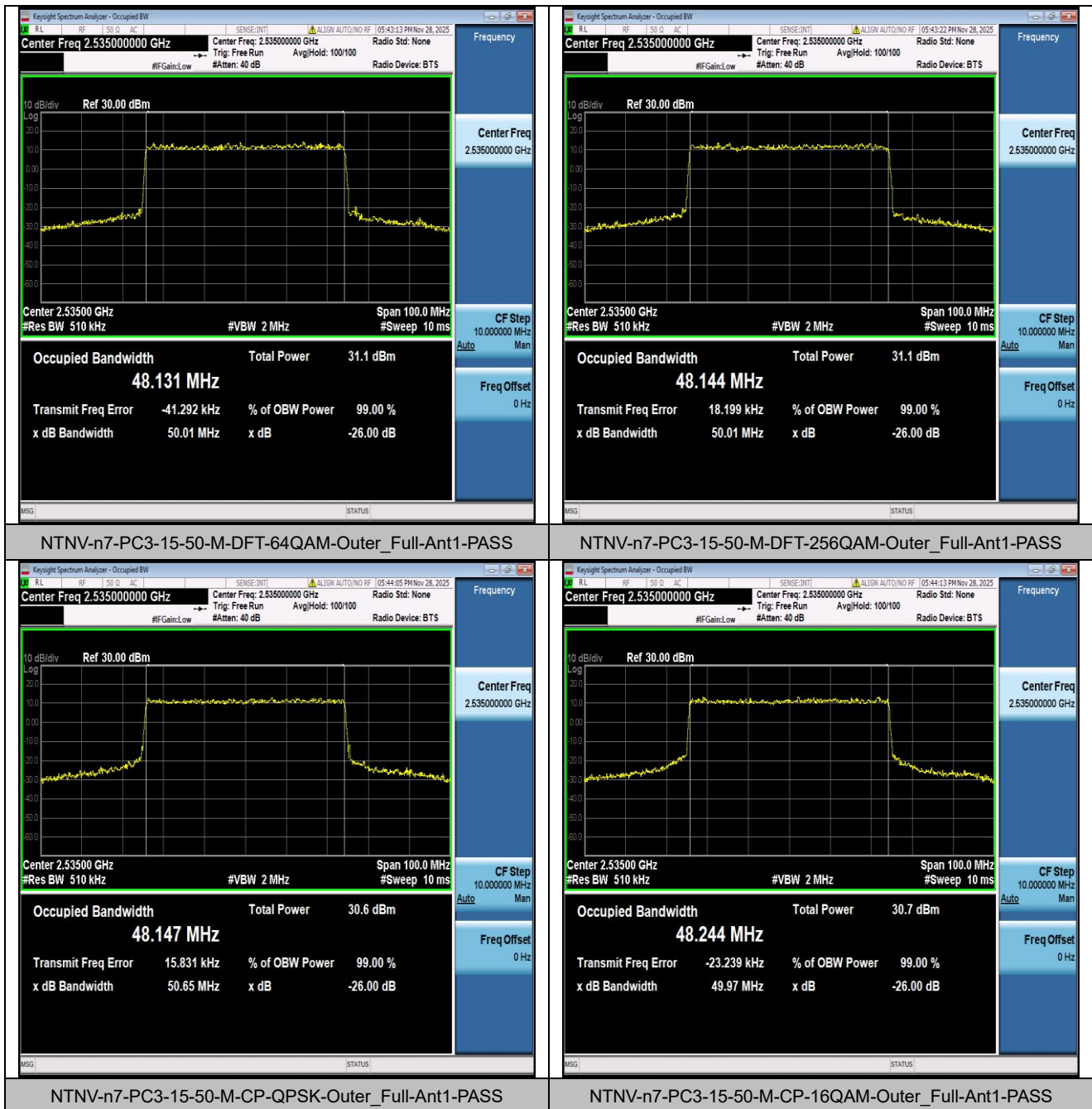
Band	SCS	Bandwidth	Modulation	Channel	RB Config	Result (99%)	Result (26dB)	Verdict
n7	15	50	DFT-BPSK	L	Outer_Full	48.052	49.99	PASS
n7	15	50	DFT-QPSK	L	Outer_Full	48.212	50.11	PASS
n7	15	50	DFT-16QAM	L	Outer_Full	48.176	50.02	PASS
n7	15	50	DFT-64QAM	L	Outer_Full	48.112	49.94	PASS
n7	15	50	DFT-256QAM	L	Outer_Full	48.150	49.91	PASS
n7	15	50	CP-QPSK	L	Outer_Full	48.104	50.27	PASS
n7	15	50	CP-16QAM	L	Outer_Full	48.244	50.06	PASS
n7	15	50	CP-64QAM	L	Outer_Full	48.064	49.88	PASS
n7	15	50	CP-256QAM	L	Outer_Full	48.041	49.86	PASS
n7	15	50	DFT-BPSK	M	Outer_Full	48.049	49.88	PASS
n7	15	50	DFT-QPSK	M	Outer_Full	48.085	49.95	PASS
n7	15	50	DFT-16QAM	M	Outer_Full	48.166	50.02	PASS
n7	15	50	DFT-64QAM	M	Outer_Full	48.131	50.01	PASS
n7	15	50	DFT-256QAM	M	Outer_Full	48.144	50.01	PASS
n7	15	50	CP-QPSK	M	Outer_Full	48.147	50.65	PASS
n7	15	50	CP-16QAM	M	Outer_Full	48.244	49.97	PASS
n7	15	50	CP-64QAM	M	Outer_Full	48.062	49.85	PASS
n7	15	50	CP-256QAM	M	Outer_Full	48.062	49.88	PASS
n7	15	50	DFT-BPSK	H	Outer_Full	47.918	49.93	PASS
n7	15	50	DFT-QPSK	H	Outer_Full	48.096	49.98	PASS
n7	15	50	DFT-16QAM	H	Outer_Full	48.093	50.04	PASS
n7	15	50	DFT-64QAM	H	Outer_Full	48.006	49.84	PASS
n7	15	50	DFT-256QAM	H	Outer_Full	48.011	49.88	PASS
n7	15	50	CP-QPSK	H	Outer_Full	48.022	49.88	PASS
n7	15	50	CP-16QAM	H	Outer_Full	48.107	50.07	PASS
n7	15	50	CP-64QAM	H	Outer_Full	47.961	49.87	PASS
n7	15	50	CP-256QAM	H	Outer_Full	48.004	49.95	PASS

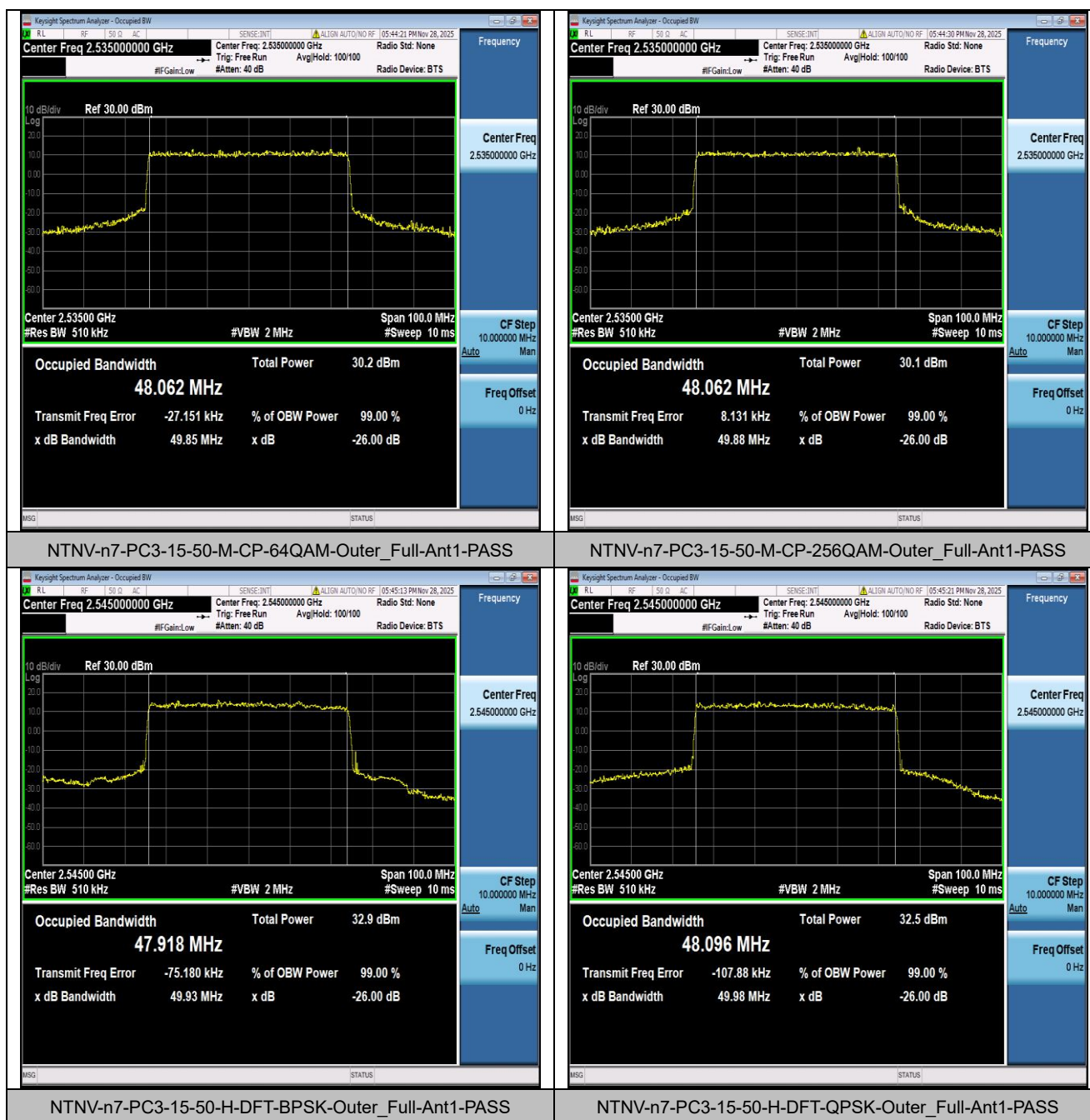
Test Graphs

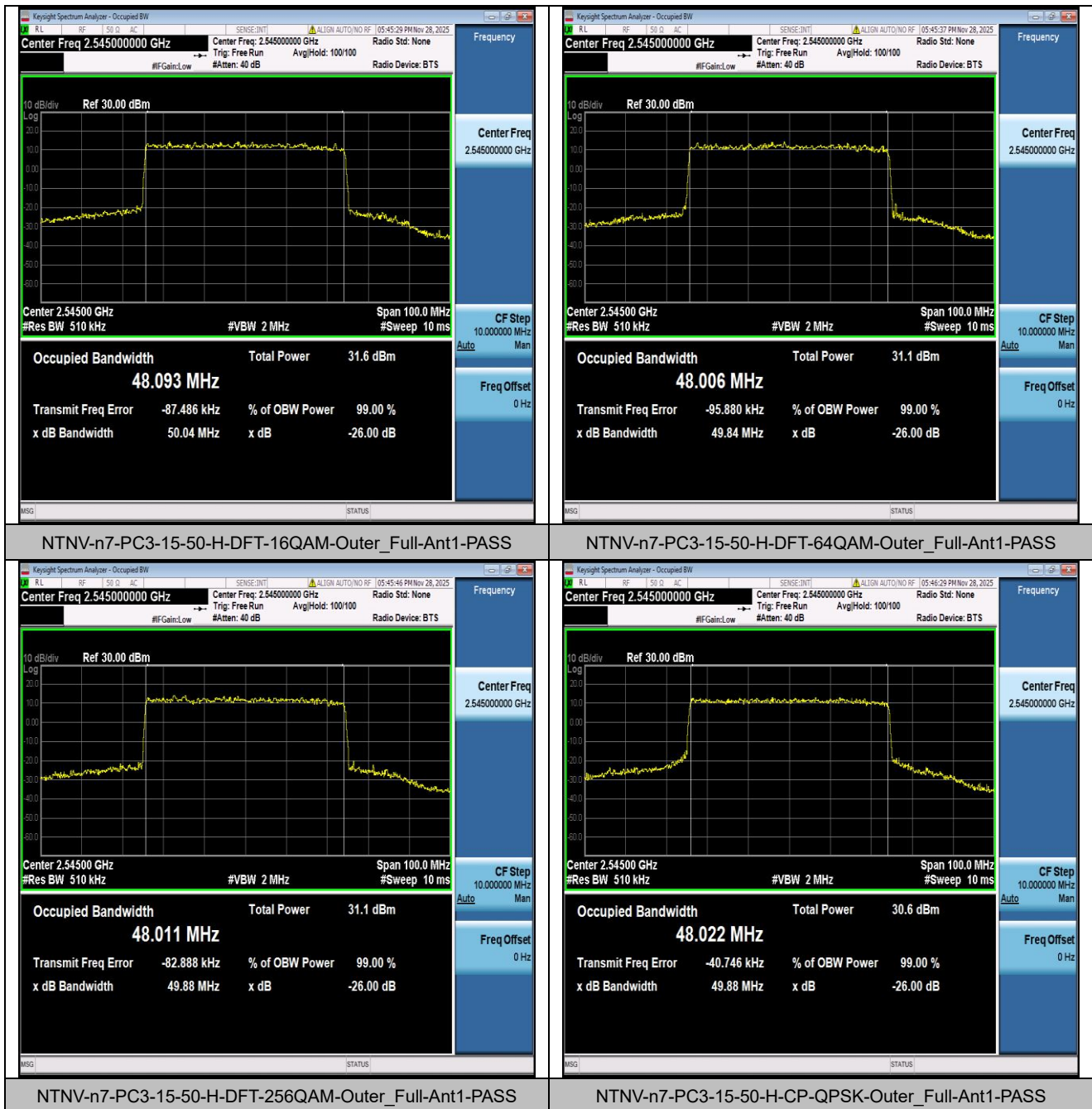


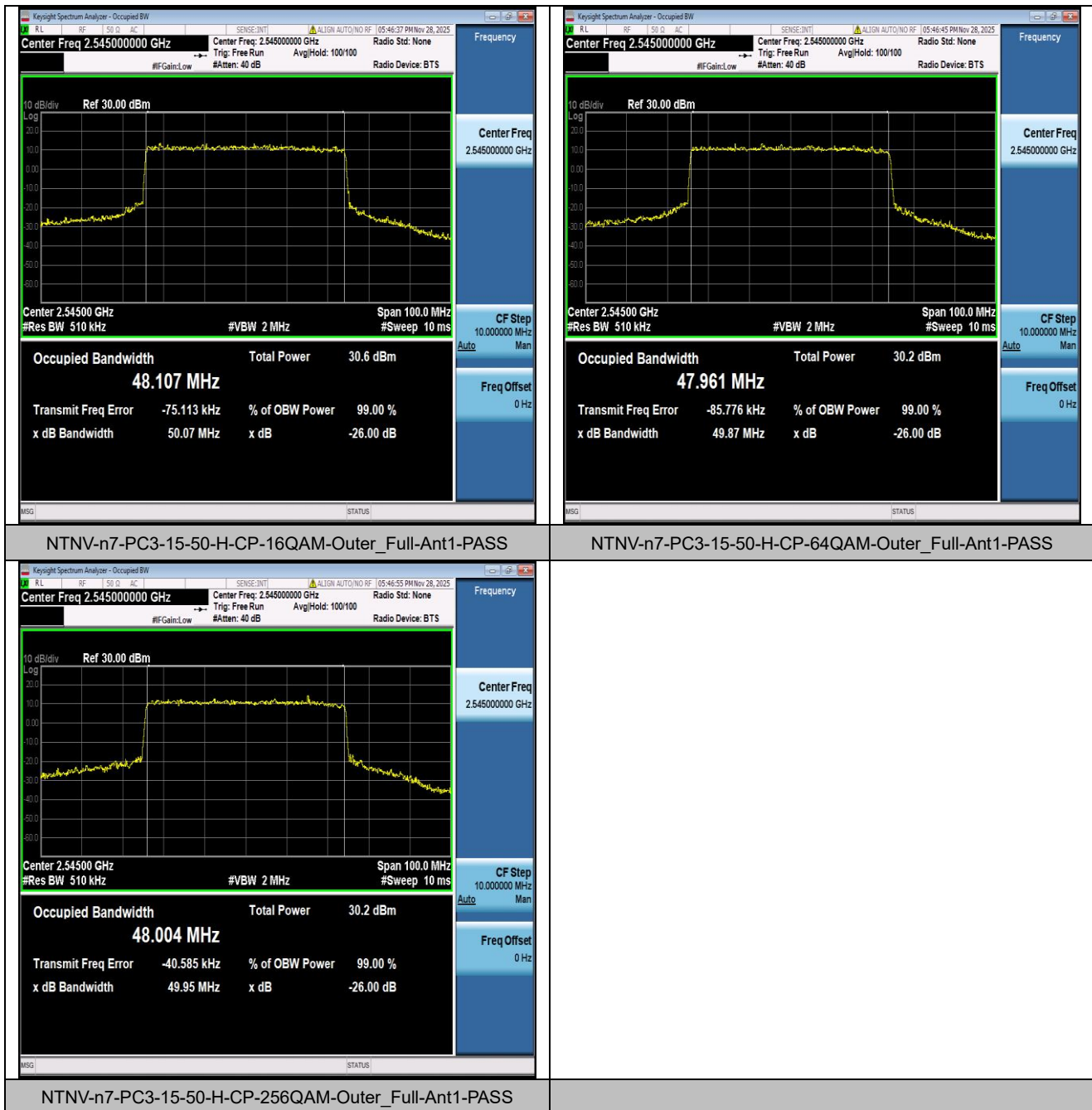






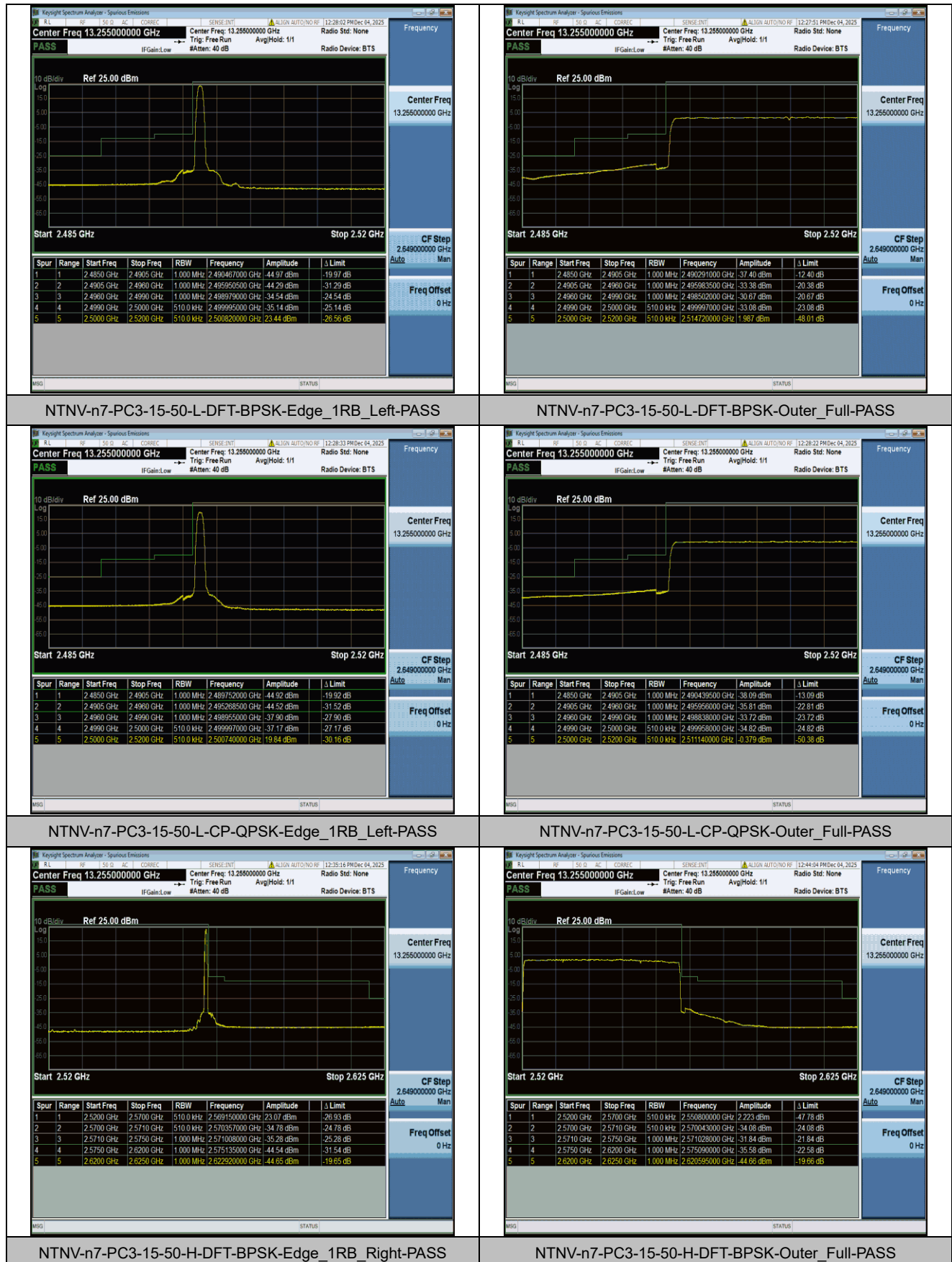


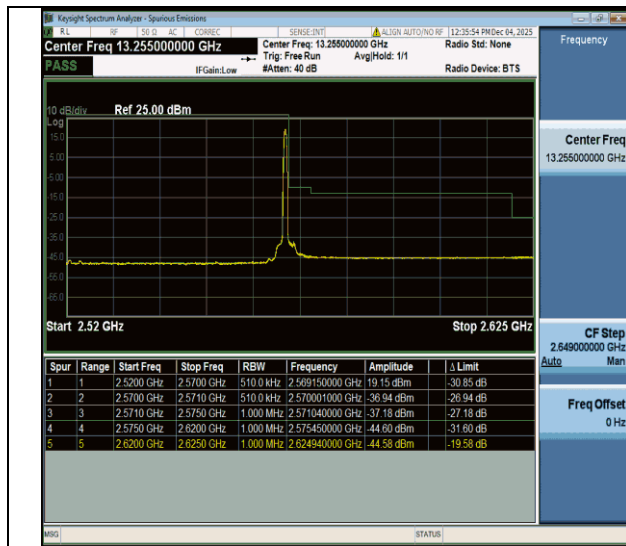




Band Edge for SA

Test Graphs





NTVN-n7-PC3-15-50-H-CP-QPSK-Edge_1RB_Right-PASS



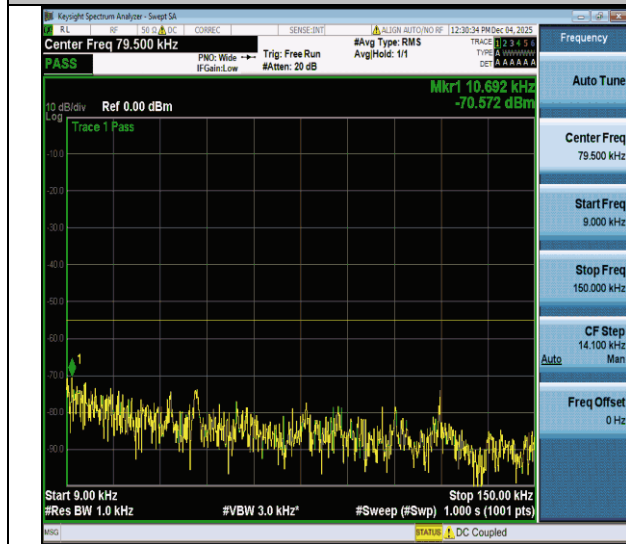
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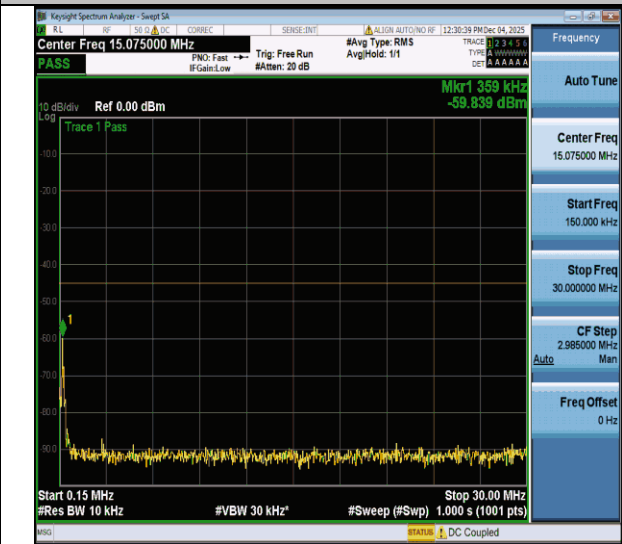
NTNV-n7-PC3-15-50-L-DFT-BPSK-Edge_1RB_Left-3000-12000-
PASS



NTNV-n7-PC3-15-50-L-DFT-BPSK-Edge_1RB_Left-12000-26500-
PASS



NTNV-n7-PC3-15-50-L-CP-QPSK-Edge_1RB_Left-0.009-0.15-
PASS



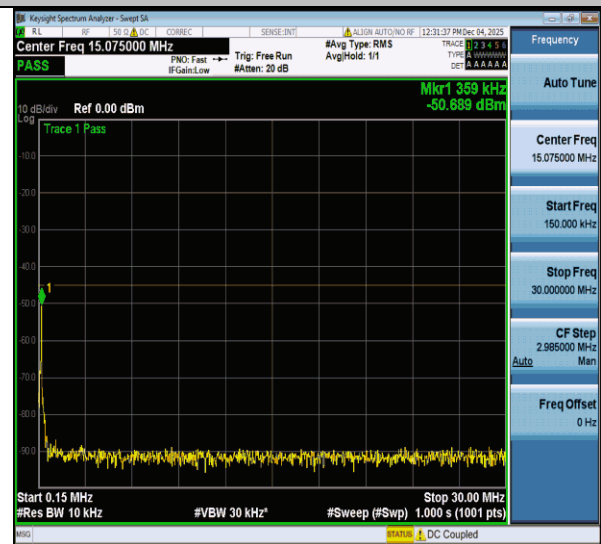
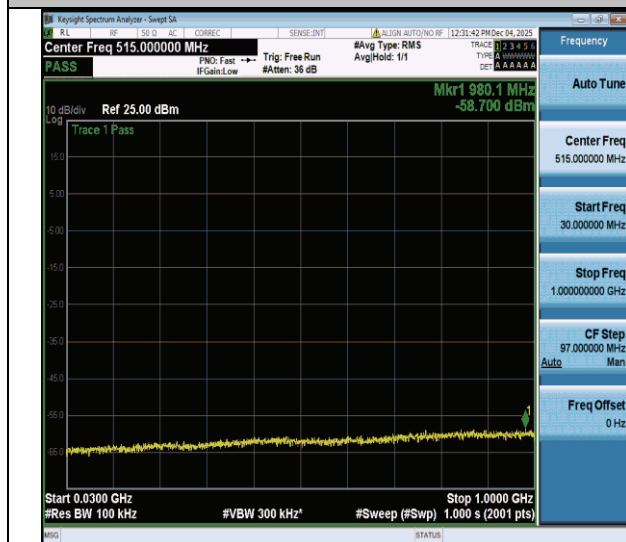
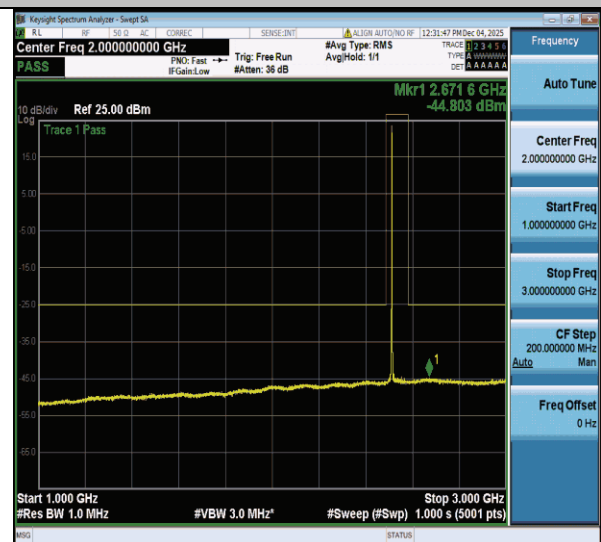
NTNV-n7-PC3-15-50-L-CP-QPSK-Edge_1RB_Left-0.15-30.00-PASS



NTNV-n7-PC3-15-50-L-CP-QPSK-Edge_1RB_Left-30-1000-PASS



NTNV-n7-PC3-15-50-L-CP-QPSK-Edge_1RB_Left-1000-3000-
PASS

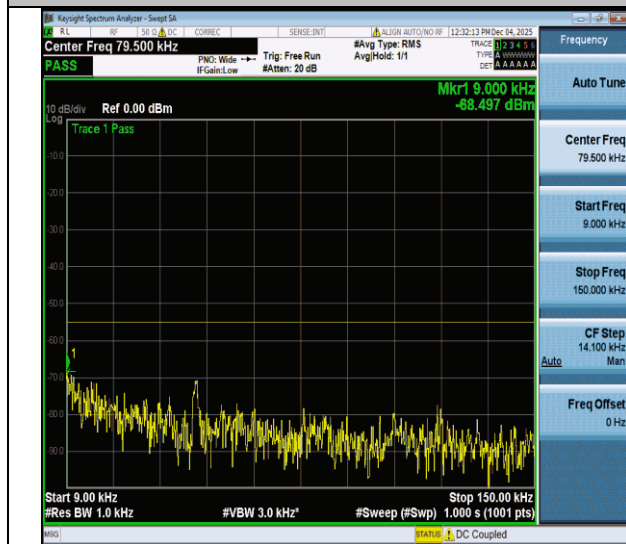
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PASSNTNV-n7-PC3-15-50-M-DFT-BPSK-Edge_1RB_Left-1000-3000-
PASS



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PASS



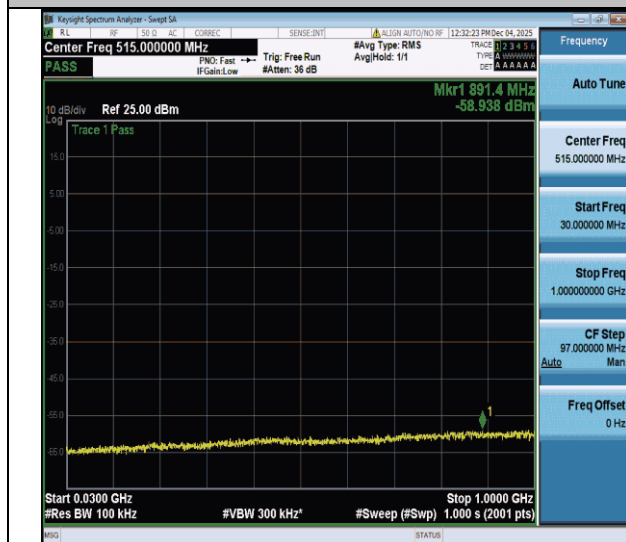
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NTNV-n7-PC3-15-50-M-CP-QPSK-Edge_1RB_Left-0.009-0.15-
PASS



NTNV-n7-PC3-15-50-M-CP-QPSK-Edge_1RB_Left-0.15-30-PASS



NTNV-n7-PC3-15-50-M-CP-QPSK-Edge_1RB_Left-30-1000-
PASS



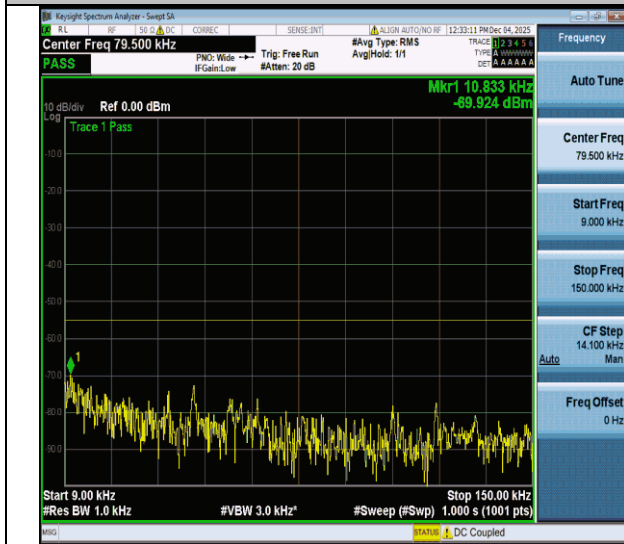
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PASS



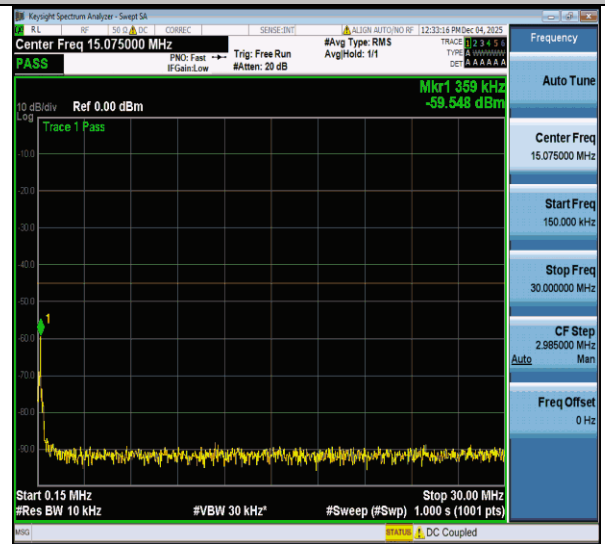
NTVN-n7-PC3-15-50-M-CP-QPSK-Edge_1RB_Left-3000-12000-
PASS



NTVN-n7-PC3-15-50-M-CP-QPSK-Edge_1RB_Left-12000-26500-
PASS



NTVN-n7-PC3-15-50-H-DFT-BPSK-Edge_1RB_Left-0.009-0.15-
PASS



NTVN-n7-PC3-15-50-H-DFT-BPSK-Edge_1RB_Left-0.15-30-
PASS



NTVN-n7-PC3-15-50-H-DFT-BPSK-Edge_1RB_Left-30-1000-
PASS



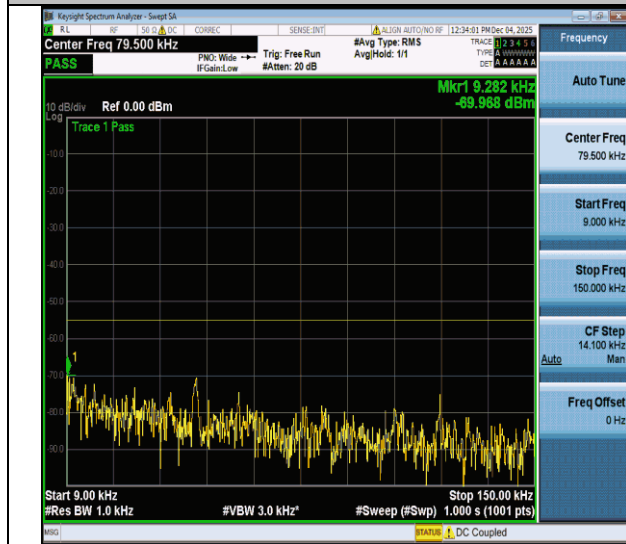
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PASS



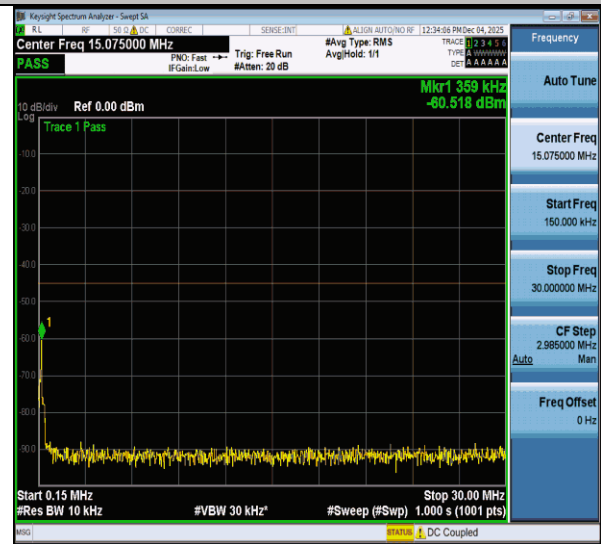
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PASS



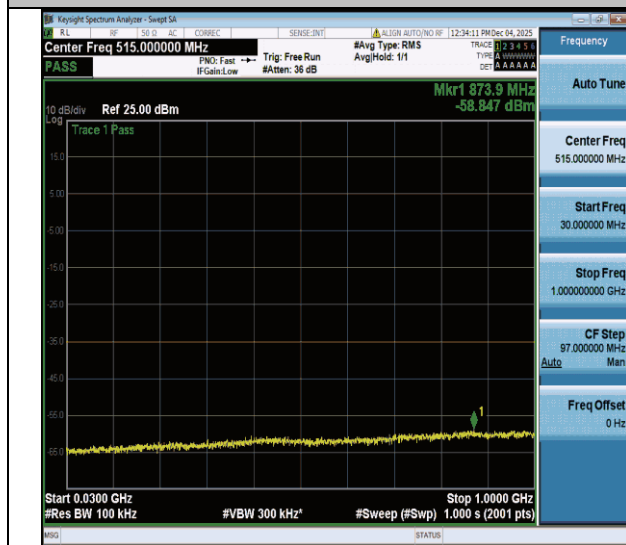
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26500-PASS



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PASS



NTNV-n7-PC3-15-50-H-CP-QPSK-Edge_1RB_Left-0.15-30-PASS



NTNV-n7-PC3-15-50-H-CP-QPSK-Edge_1RB_Left-30-1000-
PASS



NTNV-n7-PC3-15-50-H-CP-QPSK-Edge_1RB_Left-1000-3000-
PASS



NTNV-n7-PC3-15-50-H-CP-QPSK-Edge_1RB_Left-3000-12000-
PASS



NTNV-n7-PC3-15-50-H-CP-QPSK-Edge_1RB_Left-12000-26500-
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
n7	15	50	DFT-BPSK	M	Outer_Full	VL	NT	-9.434	-0.003721	PASS
n7	15	50	DFT-BPSK	M	Outer_Full	VN	NT	-5.359	-0.002114	PASS
n7	15	50	DFT-BPSK	M	Outer_Full	VH	NT	-6.081	-0.002399	PASS
n7	15	50	CP-QPSK	M	Outer_Full	VL	NT	-5.687	-0.002243	PASS
n7	15	50	CP-QPSK	M	Outer_Full	VN	NT	-2.835	-0.001118	PASS
n7	15	50	CP-QPSK	M	Outer_Full	VH	NT	-6.093	-0.002404	PASS

Frequency Error VS. Temperature

Temperature										
Band	SCS	Bandwidth	Modulation	Channel	RB Config	Voltage	Temp	Deviation (Hz)	Deviation (ppm)	Verdict
n7	15	50	DFT-BPSK	M	Outer_Full	NV	-30	-6.511	-0.002568	PASS
n7	15	50	DFT-BPSK	M	Outer_Full	NV	-20	-6.504	-0.002566	PASS
n7	15	50	DFT-BPSK	M	Outer_Full	NV	-10	-6.004	-0.002368	PASS
n7	15	50	DFT-BPSK	M	Outer_Full	NV	0	-4.287	-0.001691	PASS
n7	15	50	DFT-BPSK	M	Outer_Full	NV	10	-6.434	-0.002538	PASS
n7	15	50	DFT-BPSK	M	Outer_Full	NV	20	-6.871	-0.00271	PASS
n7	15	50	DFT-BPSK	M	Outer_Full	NV	30	-6.045	-0.002385	PASS
n7	15	50	DFT-BPSK	M	Outer_Full	NV	40	-4.004	-0.001579	PASS
n7	15	50	DFT-BPSK	M	Outer_Full	NV	50	-7.129	-0.002812	PASS
n7	15	50	CP-QPSK	M	Outer_Full	NV	-30	-3.175	-0.001252	PASS
n7	15	50	CP-QPSK	M	Outer_Full	NV	-20	-4.233	-0.00167	PASS
n7	15	50	CP-QPSK	M	Outer_Full	NV	-10	-8.039	-0.003171	PASS
n7	15	50	CP-QPSK	M	Outer_Full	NV	0	-5.779	-0.00228	PASS
n7	15	50	CP-QPSK	M	Outer_Full	NV	10	-6.692	-0.00264	PASS
n7	15	50	CP-QPSK	M	Outer_Full	NV	20	-6.852	-0.002703	PASS
n7	15	50	CP-QPSK	M	Outer_Full	NV	30	-5.638	-0.002224	PASS
n7	15	50	CP-QPSK	M	Outer_Full	NV	40	-7.455	-0.002941	PASS
n7	15	50	CP-QPSK	M	Outer_Full	NV	50	-5.051	-0.001993	PASS

~The End~