

Appendix-A 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	23.84	22.63	33	PASS
n7	15	50	DFT-BPSK	L	Inner_1RB_Right	24.07	22.86	33	PASS
n7	15	50	DFT-BPSK	L	Inner_Full	23.92	22.71	33	PASS
n7	15	50	DFT-BPSK	L	Outer_Full	23.31	22.1	33	PASS
n7	15	50	DFT-QPSK	L	Inner_1RB_Left	23.93	22.72	33	PASS
n7	15	50	DFT-QPSK	L	Inner_1RB_Right	24.14	22.93	33	PASS
n7	15	50	DFT-QPSK	L	Inner_Full	23.93	22.72	33	PASS
n7	15	50	DFT-QPSK	L	Outer_Full	22.86	21.65	33	PASS
n7	15	50	DFT-16QAM	L	Inner_1RB_Left	22.83	21.62	33	PASS
n7	15	50	DFT-16QAM	L	Inner_1RB_Right	22.93	21.72	33	PASS
n7	15	50	DFT-16QAM	L	Inner_Full	22.87	21.66	33	PASS
n7	15	50	DFT-16QAM	L	Outer_Full	21.85	20.64	33	PASS
n7	15	50	DFT-64QAM	L	Inner_1RB_Left	21.57	20.36	33	PASS
n7	15	50	DFT-64QAM	L	Inner_1RB_Right	21.72	20.51	33	PASS
n7	15	50	DFT-64QAM	L	Inner_Full	21.38	20.17	33	PASS
n7	15	50	DFT-64QAM	L	Outer_Full	21.31	20.1	33	PASS
n7	15	50	DFT-256QAM	L	Inner_1RB_Left	19.08	17.87	33	PASS
n7	15	50	DFT-256QAM	L	Inner_1RB_Right	19.11	17.9	33	PASS
n7	15	50	DFT-256QAM	L	Inner_Full	19.32	18.11	33	PASS
n7	15	50	DFT-256QAM	L	Outer_Full	19.28	18.07	33	PASS
n7	15	50	DFT-BPSK	M	Inner_1RB_Left	24.02	22.81	33	PASS
n7	15	50	DFT-BPSK	M	Inner_1RB_Right	24.07	22.86	33	PASS
n7	15	50	DFT-BPSK	M	Inner_Full	23.96	22.75	33	PASS
n7	15	50	DFT-BPSK	M	Outer_Full	23.39	22.18	33	PASS
n7	15	50	DFT-QPSK	M	Inner_1RB_Left	24.02	22.81	33	PASS
n7	15	50	DFT-QPSK	M	Inner_1RB_Right	24.03	22.82	33	PASS
n7	15	50	DFT-QPSK	M	Inner_Full	24.01	22.8	33	PASS
n7	15	50	DFT-QPSK	M	Outer_Full	22.87	21.66	33	PASS
n7	15	50	DFT-16QAM	M	Inner_1RB_Left	22.99	21.78	33	PASS
n7	15	50	DFT-16QAM	M	Inner_1RB_Right	22.92	21.71	33	PASS
n7	15	50	DFT-16QAM	M	Inner_Full	22.91	21.7	33	PASS
n7	15	50	DFT-16QAM	M	Outer_Full	21.98	20.77	33	PASS
n7	15	50	DFT-64QAM	M	Inner_1RB_Left	21.67	20.46	33	PASS
n7	15	50	DFT-64QAM	M	Inner_1RB_Right	21.75	20.54	33	PASS
n7	15	50	DFT-64QAM	M	Inner_Full	21.43	20.22	33	PASS
n7	15	50	DFT-64QAM	M	Outer_Full	21.5	20.29	33	PASS
n7	15	50	DFT-256QAM	M	Inner_1RB_Left	19.27	18.06	33	PASS

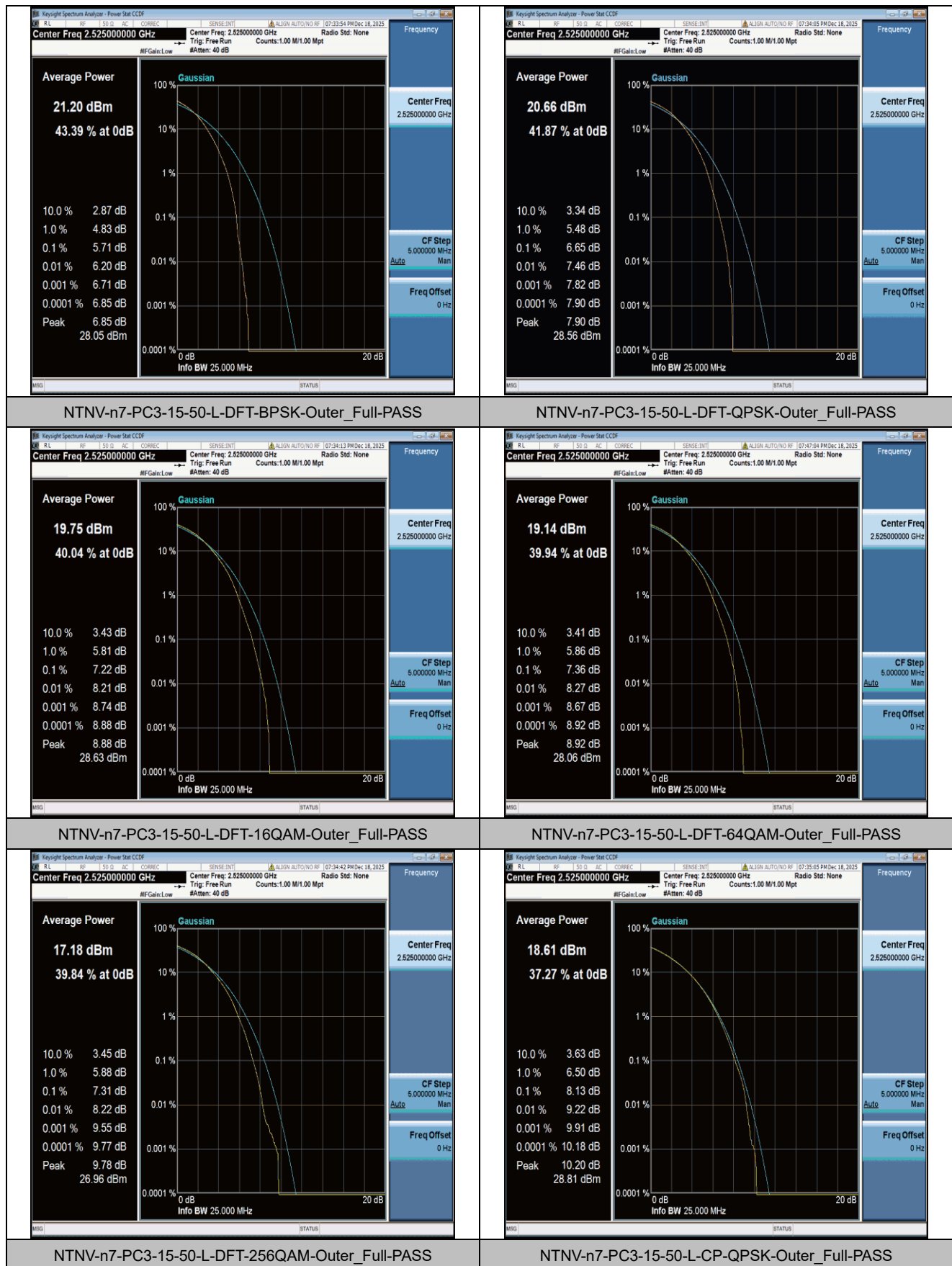
n7	15	50	DFT-256QAM	M	Inner_1RB_Right	18.75	17.54	33	PASS
n7	15	50	DFT-256QAM	M	Inner_Full	19.38	18.17	33	PASS
n7	15	50	DFT-256QAM	M	Outer_Full	19.4	18.19	33	PASS
n7	15	50	DFT-BPSK	H	Inner_1RB_Left	23.99	22.78	33	PASS
n7	15	50	DFT-BPSK	H	Inner_1RB_Right	23.94	22.73	33	PASS
n7	15	50	DFT-BPSK	H	Inner_Full	24.02	22.81	33	PASS
n7	15	50	DFT-BPSK	H	Outer_Full	23.41	22.2	33	PASS
n7	15	50	DFT-QPSK	H	Inner_1RB_Left	24.05	22.84	33	PASS
n7	15	50	DFT-QPSK	H	Inner_1RB_Right	24.03	22.82	33	PASS
n7	15	50	DFT-QPSK	H	Inner_Full	24.01	22.8	33	PASS
n7	15	50	DFT-QPSK	H	Outer_Full	22.91	21.7	33	PASS
n7	15	50	DFT-16QAM	H	Inner_1RB_Left	23.05	21.84	33	PASS
n7	15	50	DFT-16QAM	H	Inner_1RB_Right	22.82	21.61	33	PASS
n7	15	50	DFT-16QAM	H	Inner_Full	22.89	21.68	33	PASS
n7	15	50	DFT-16QAM	H	Outer_Full	21.91	20.7	33	PASS
n7	15	50	DFT-64QAM	H	Inner_1RB_Left	21.74	20.53	33	PASS
n7	15	50	DFT-64QAM	H	Inner_1RB_Right	21.69	20.48	33	PASS
n7	15	50	DFT-64QAM	H	Inner_Full	21.46	20.25	33	PASS
n7	15	50	DFT-64QAM	H	Outer_Full	21.46	20.25	33	PASS
n7	15	50	DFT-256QAM	H	Inner_1RB_Left	19.32	18.11	33	PASS
n7	15	50	DFT-256QAM	H	Inner_1RB_Right	18.91	17.7	33	PASS
n7	15	50	DFT-256QAM	H	Inner_Full	19.44	18.23	33	PASS
n7	15	50	DFT-256QAM	H	Outer_Full	19.44	18.23	33	PASS

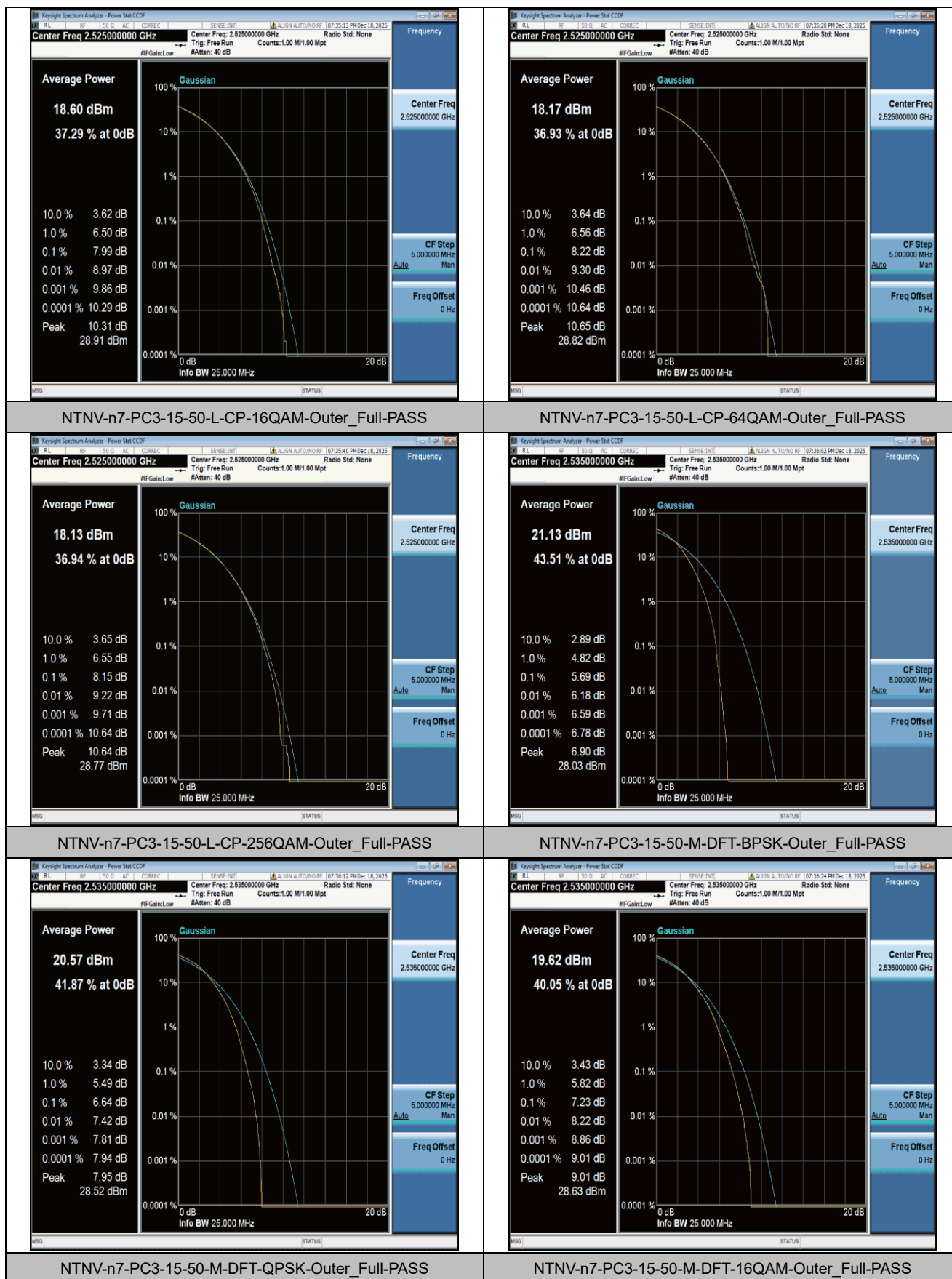
Peak-to-Average Ratio for SA

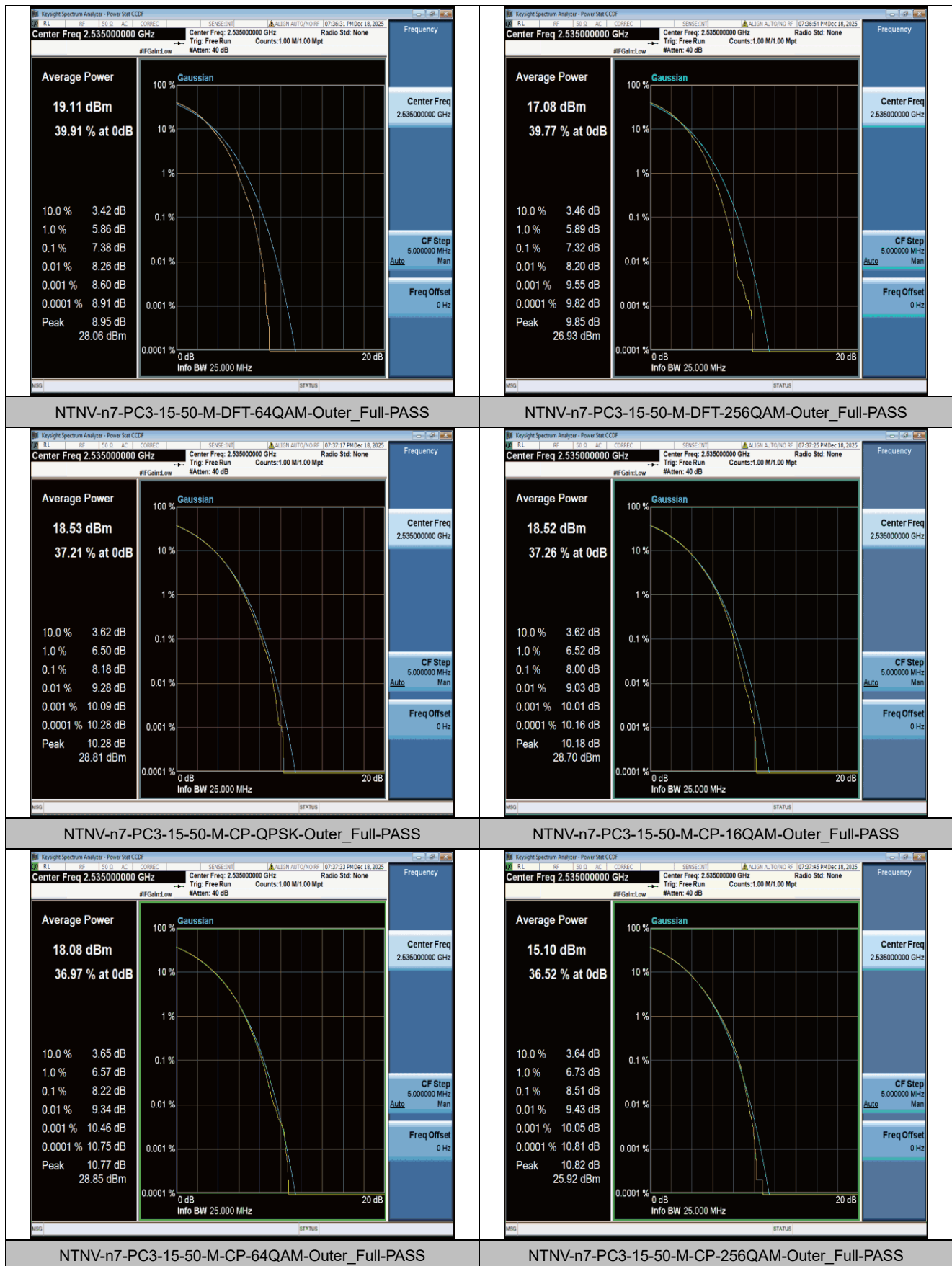
Test Result

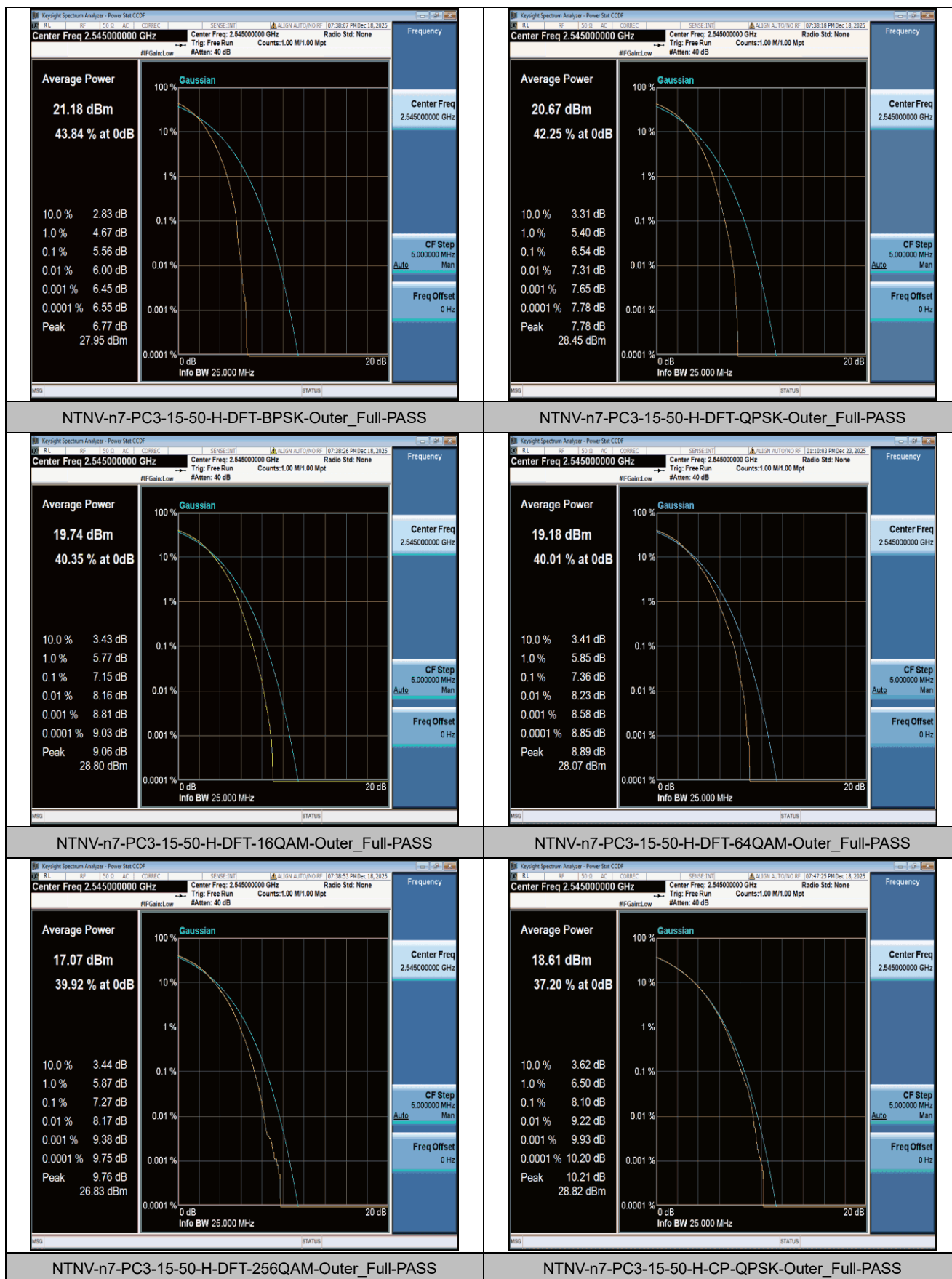
Band	SCS	Bandwidth	Modulation	Channel	RB Config	Result	Limit	Verdict
n7	15	50	DFT-BPSK	L	Outer_Full	5.71	≤13dB	PASS
n7	15	50	DFT-QPSK	L	Outer_Full	6.65	≤13dB	PASS
n7	15	50	DFT-16QAM	L	Outer_Full	7.22	≤13dB	PASS
n7	15	50	DFT-64QAM	L	Outer_Full	7.36	≤13dB	PASS
n7	15	50	DFT-256QAM	L	Outer_Full	7.31	≤13dB	PASS
n7	15	50	CP-QPSK	L	Outer_Full	8.13	≤13dB	PASS
n7	15	50	CP-16QAM	L	Outer_Full	7.99	≤13dB	PASS
n7	15	50	CP-64QAM	L	Outer_Full	8.22	≤13dB	PASS
n7	15	50	CP-256QAM	L	Outer_Full	8.15	≤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	7.23	≤13dB	PASS
n7	15	50	DFT-64QAM	M	Outer_Full	7.38	≤13dB	PASS
n7	15	50	DFT-256QAM	M	Outer_Full	7.32	≤13dB	PASS
n7	15	50	CP-QPSK	M	Outer_Full	8.18	≤13dB	PASS
n7	15	50	CP-16QAM	M	Outer_Full	8	≤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	5.56	≤13dB	PASS
n7	15	50	DFT-QPSK	H	Outer_Full	6.54	≤13dB	PASS
n7	15	50	DFT-16QAM	H	Outer_Full	7.15	≤13dB	PASS
n7	15	50	DFT-64QAM	H	Outer_Full	7.36	≤13dB	PASS
n7	15	50	DFT-256QAM	H	Outer_Full	7.27	≤13dB	PASS
n7	15	50	CP-QPSK	H	Outer_Full	8.1	≤13dB	PASS
n7	15	50	CP-16QAM	H	Outer_Full	7.98	≤13dB	PASS
n7	15	50	CP-64QAM	H	Outer_Full	8.18	≤13dB	PASS
n7	15	50	CP-256QAM	H	Outer_Full	8.51	≤13dB	PASS

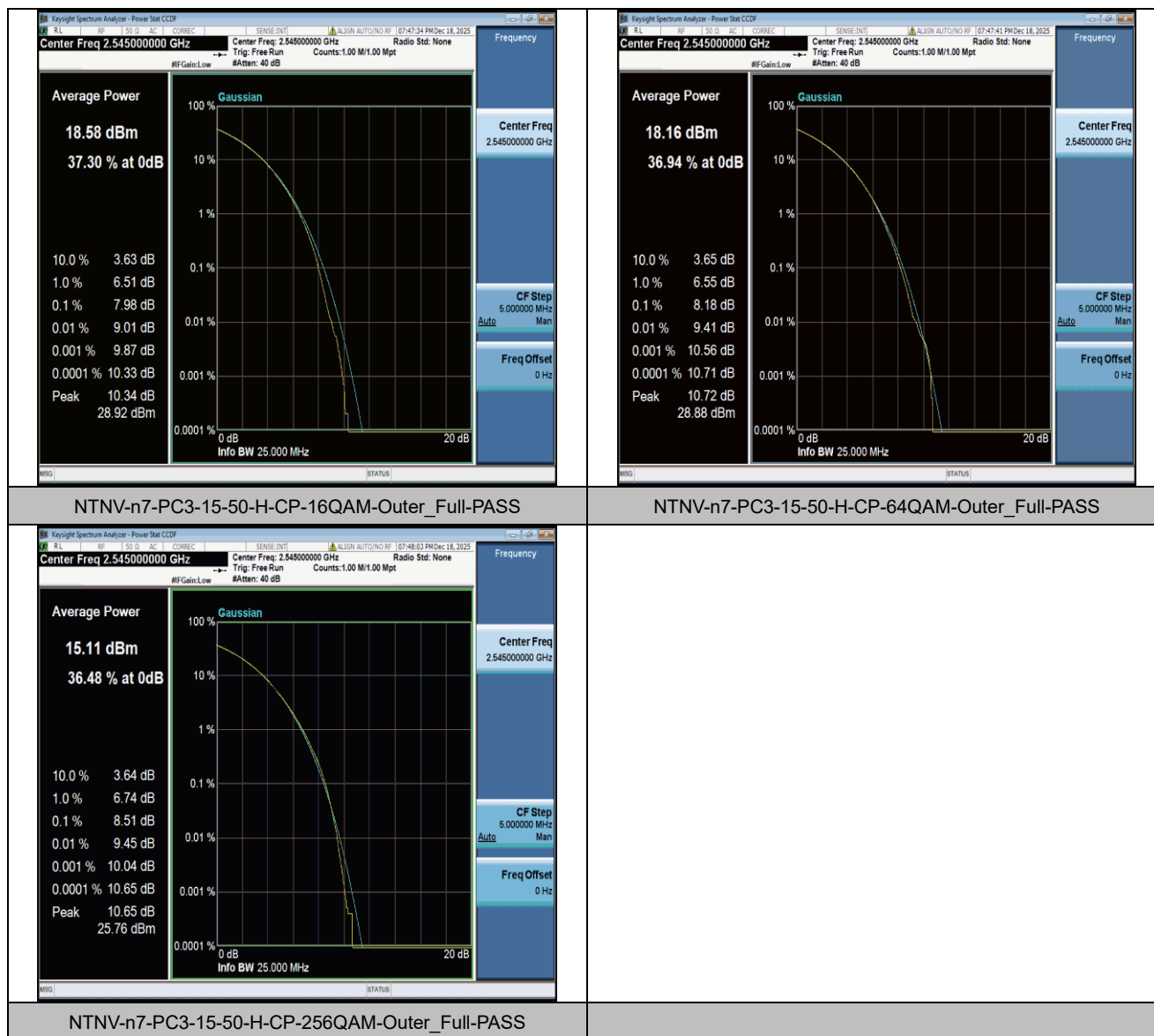
Test Graphs







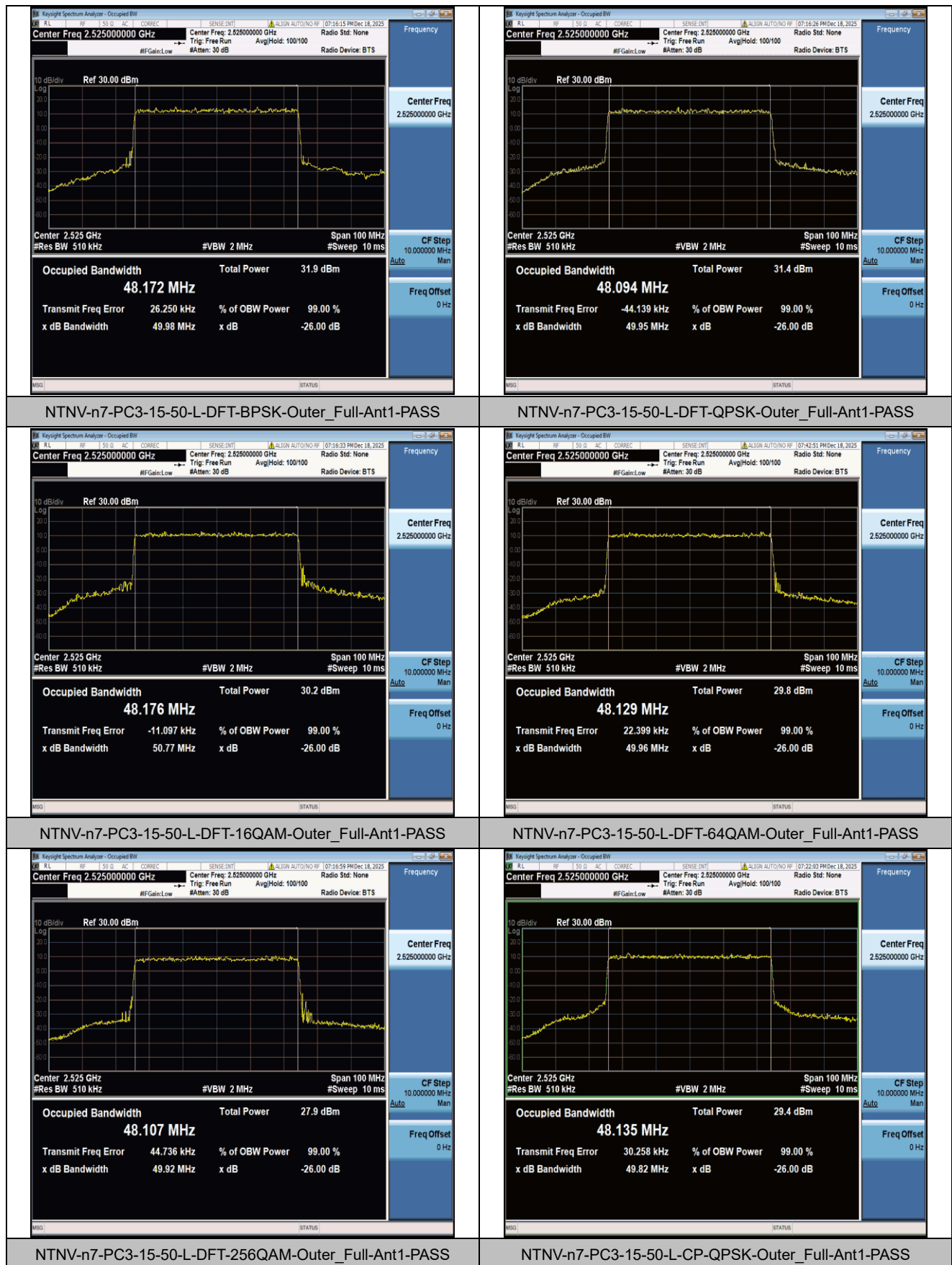


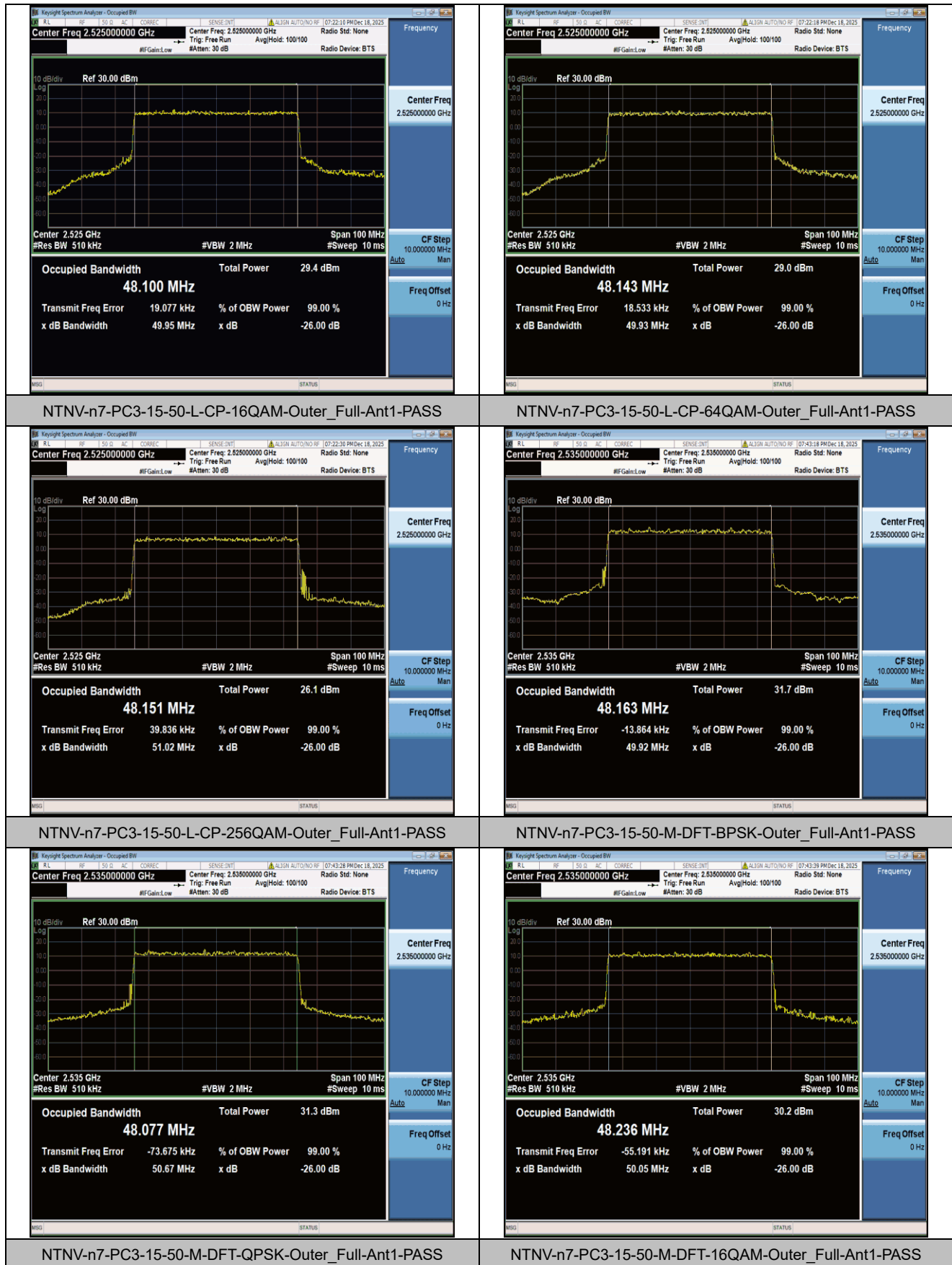


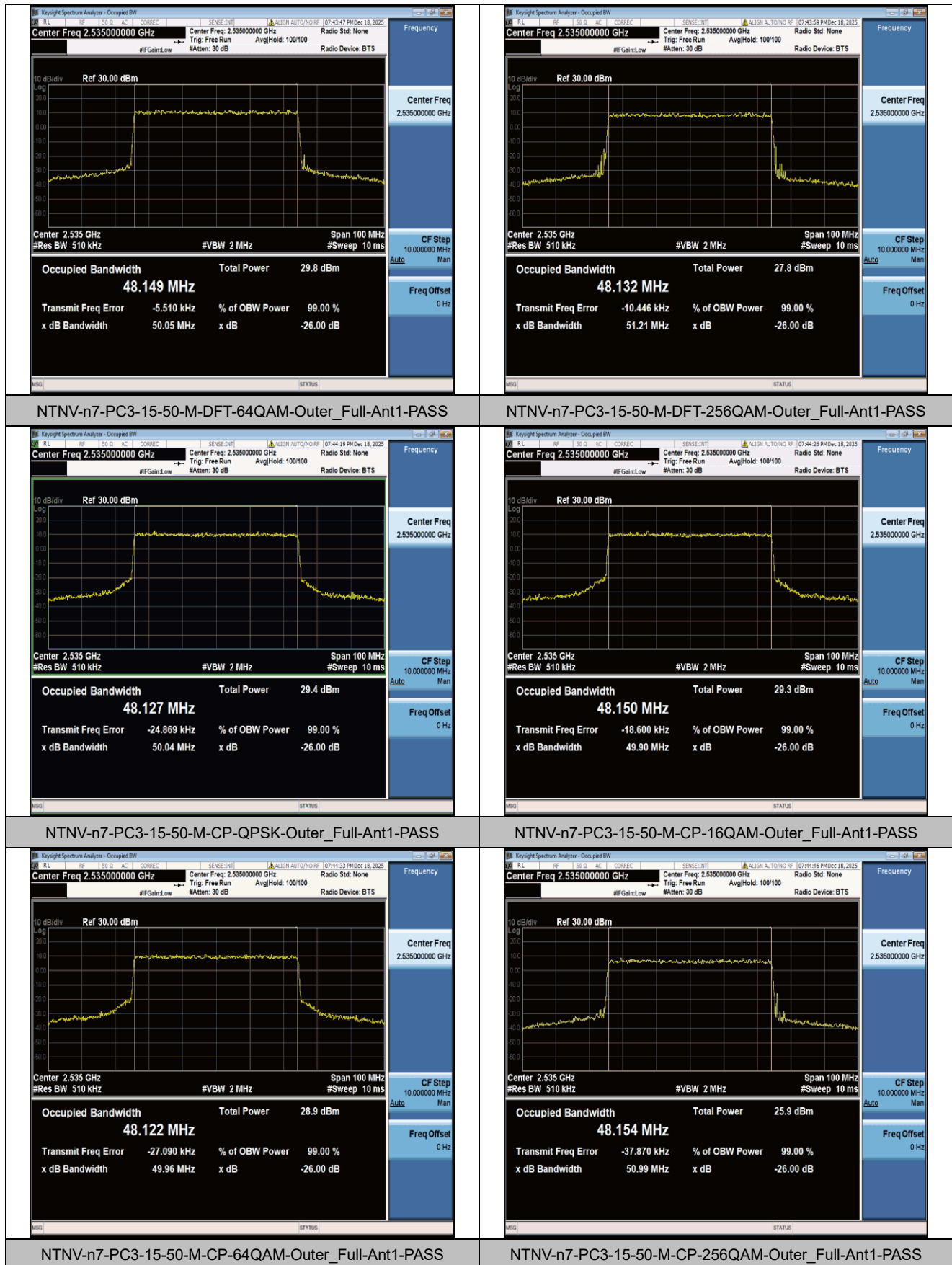
26dB Bandwidth and Occupied Bandwidth for SA**Test Result**

Band	SCS	Bandwidth	Modulation	Channel	RB Config	Result (99%)	Result (26dB)	Verdict
n7	15	50	DFT-BPSK	L	Outer_Full	48.172	49.98	PASS
n7	15	50	DFT-QPSK	L	Outer_Full	48.094	49.95	PASS
n7	15	50	DFT-16QAM	L	Outer_Full	48.176	50.77	PASS
n7	15	50	DFT-64QAM	L	Outer_Full	48.129	49.96	PASS
n7	15	50	DFT-256QAM	L	Outer_Full	48.107	49.92	PASS
n7	15	50	CP-QPSK	L	Outer_Full	48.135	49.82	PASS
n7	15	50	CP-16QAM	L	Outer_Full	48.100	49.95	PASS
n7	15	50	CP-64QAM	L	Outer_Full	48.143	49.93	PASS
n7	15	50	CP-256QAM	L	Outer_Full	48.151	51.02	PASS
n7	15	50	DFT-BPSK	M	Outer_Full	48.163	49.92	PASS
n7	15	50	DFT-QPSK	M	Outer_Full	48.077	50.67	PASS
n7	15	50	DFT-16QAM	M	Outer_Full	48.236	50.05	PASS
n7	15	50	DFT-64QAM	M	Outer_Full	48.149	50.05	PASS
n7	15	50	DFT-256QAM	M	Outer_Full	48.132	51.21	PASS
n7	15	50	CP-QPSK	M	Outer_Full	48.127	50.04	PASS
n7	15	50	CP-16QAM	M	Outer_Full	48.150	49.90	PASS
n7	15	50	CP-64QAM	M	Outer_Full	48.122	49.96	PASS
n7	15	50	CP-256QAM	M	Outer_Full	48.154	50.99	PASS
n7	15	50	DFT-BPSK	H	Outer_Full	48.135	50.31	PASS
n7	15	50	DFT-QPSK	H	Outer_Full	48.000	50.96	PASS
n7	15	50	DFT-16QAM	H	Outer_Full	48.102	50.40	PASS
n7	15	50	DFT-64QAM	H	Outer_Full	48.128	49.92	PASS
n7	15	50	DFT-256QAM	H	Outer_Full	48.080	50.41	PASS
n7	15	50	CP-QPSK	H	Outer_Full	48.096	49.89	PASS
n7	15	50	CP-16QAM	H	Outer_Full	48.143	49.90	PASS
n7	15	50	CP-64QAM	H	Outer_Full	48.074	49.79	PASS
n7	15	50	CP-256QAM	H	Outer_Full	48.105	49.84	PASS

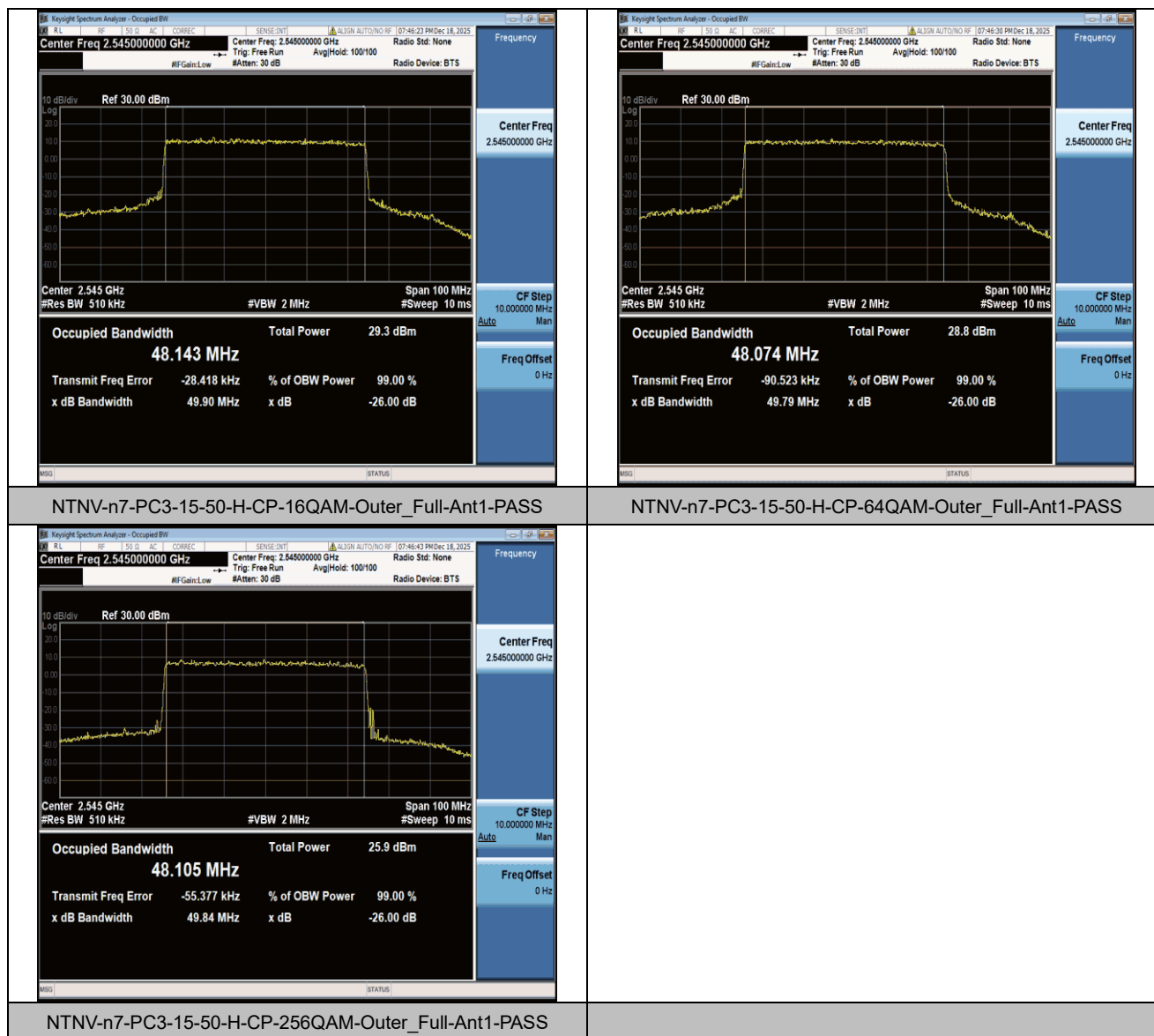
Test Graphs





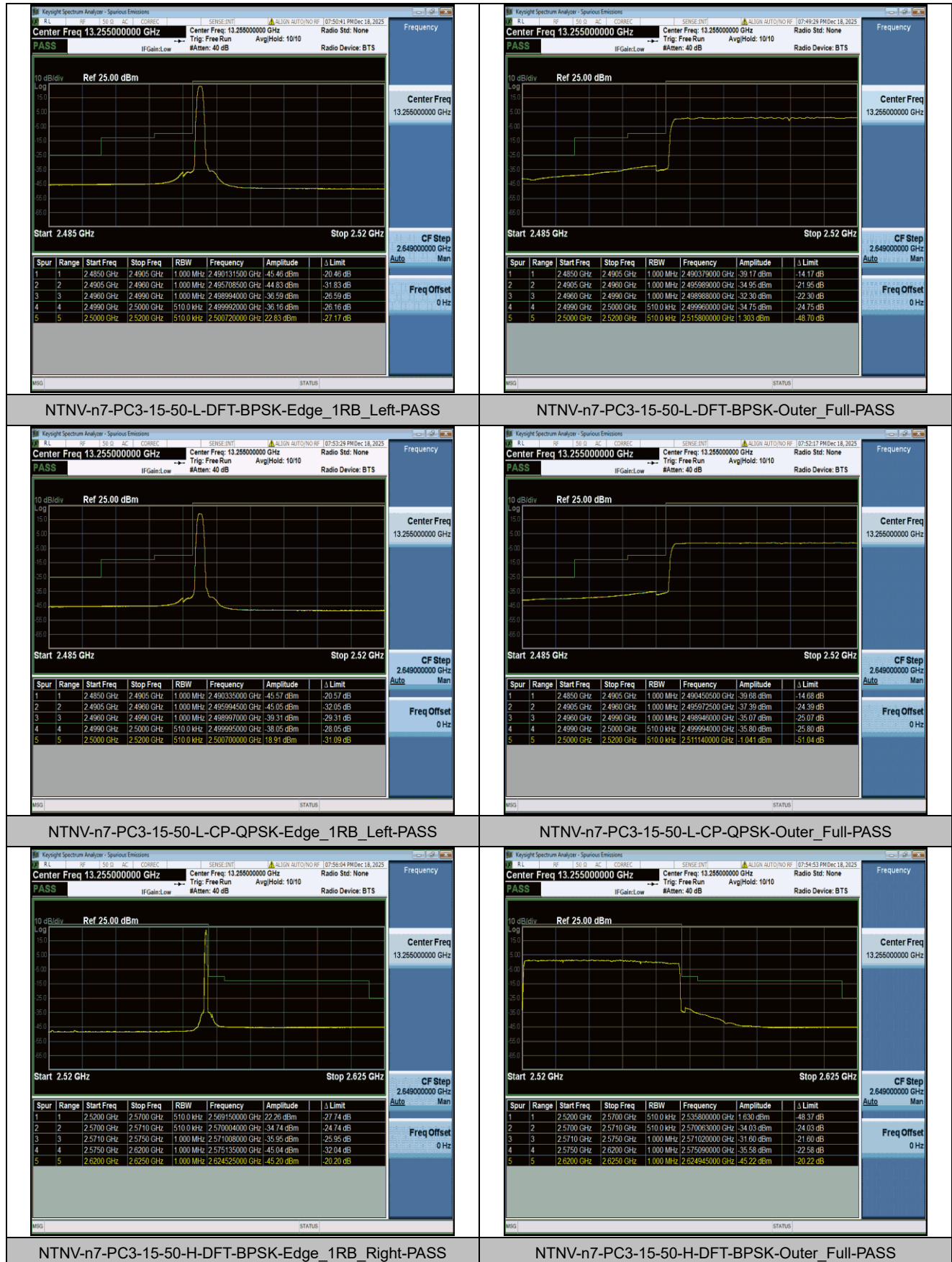


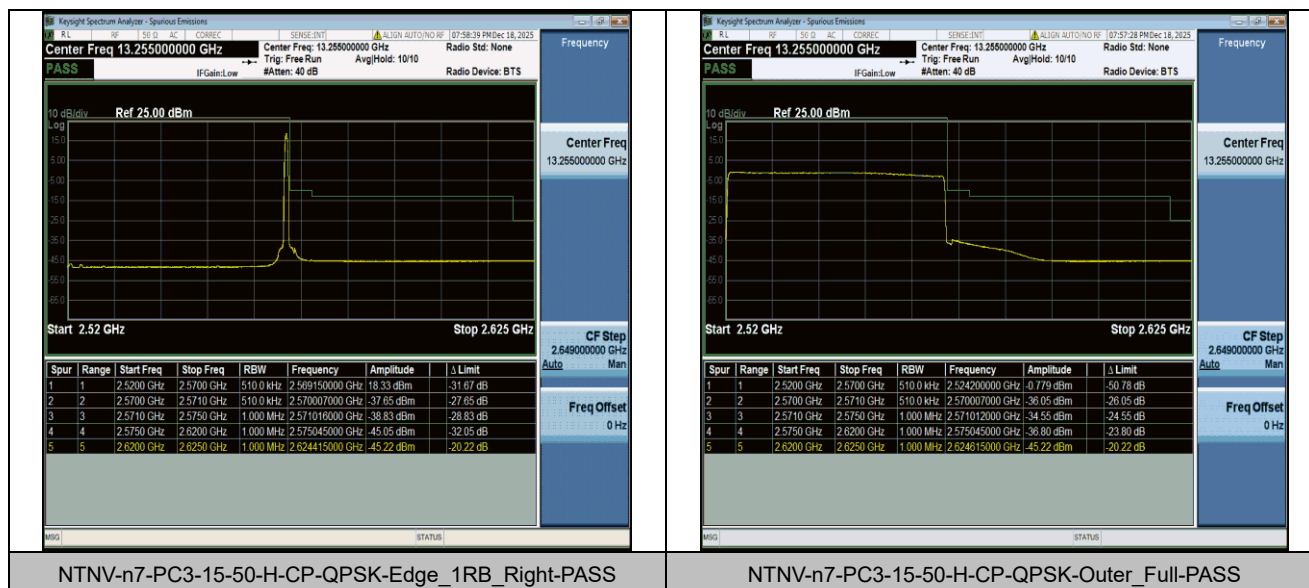




Band Edge for SA

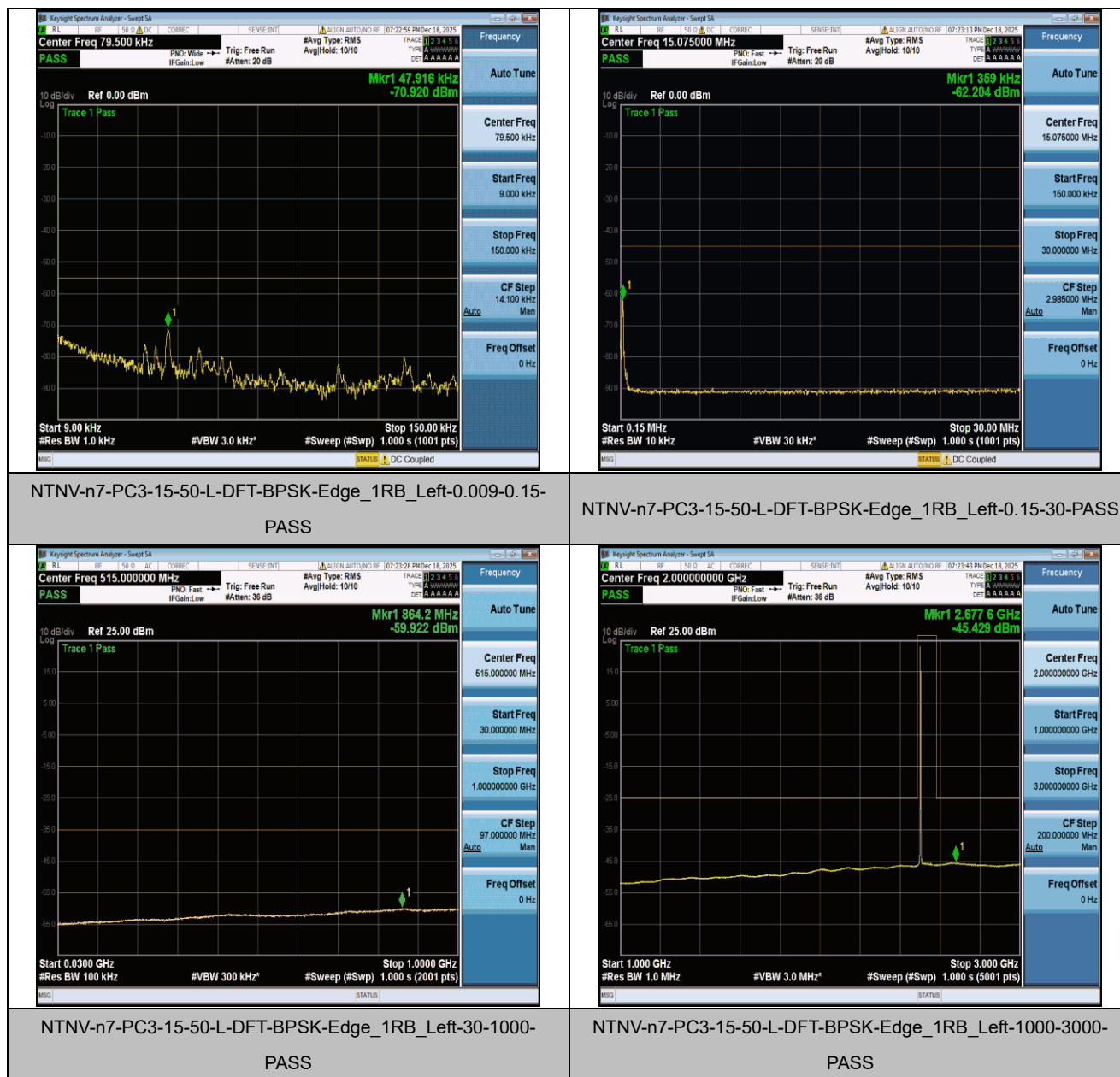
Test Graphs

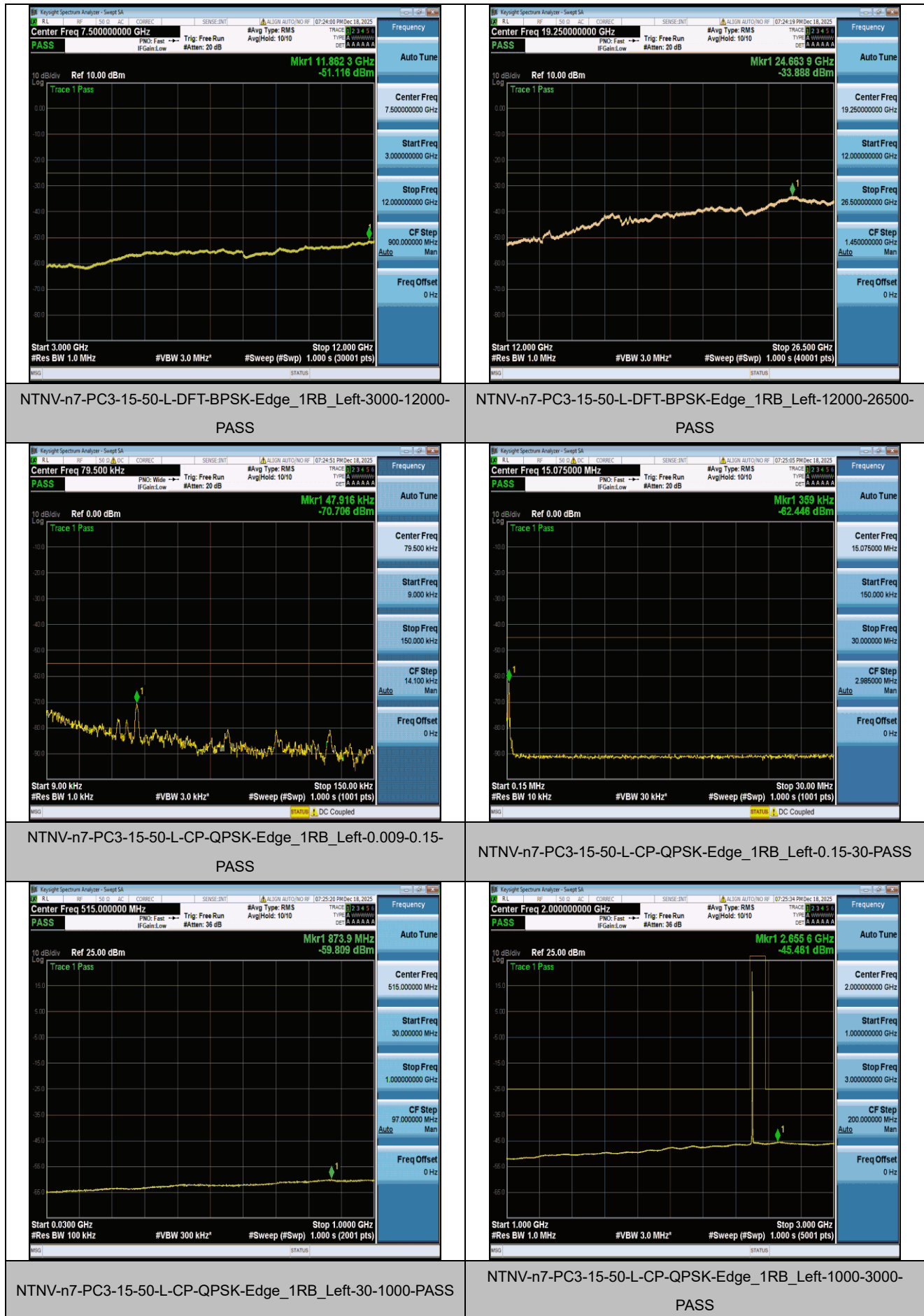


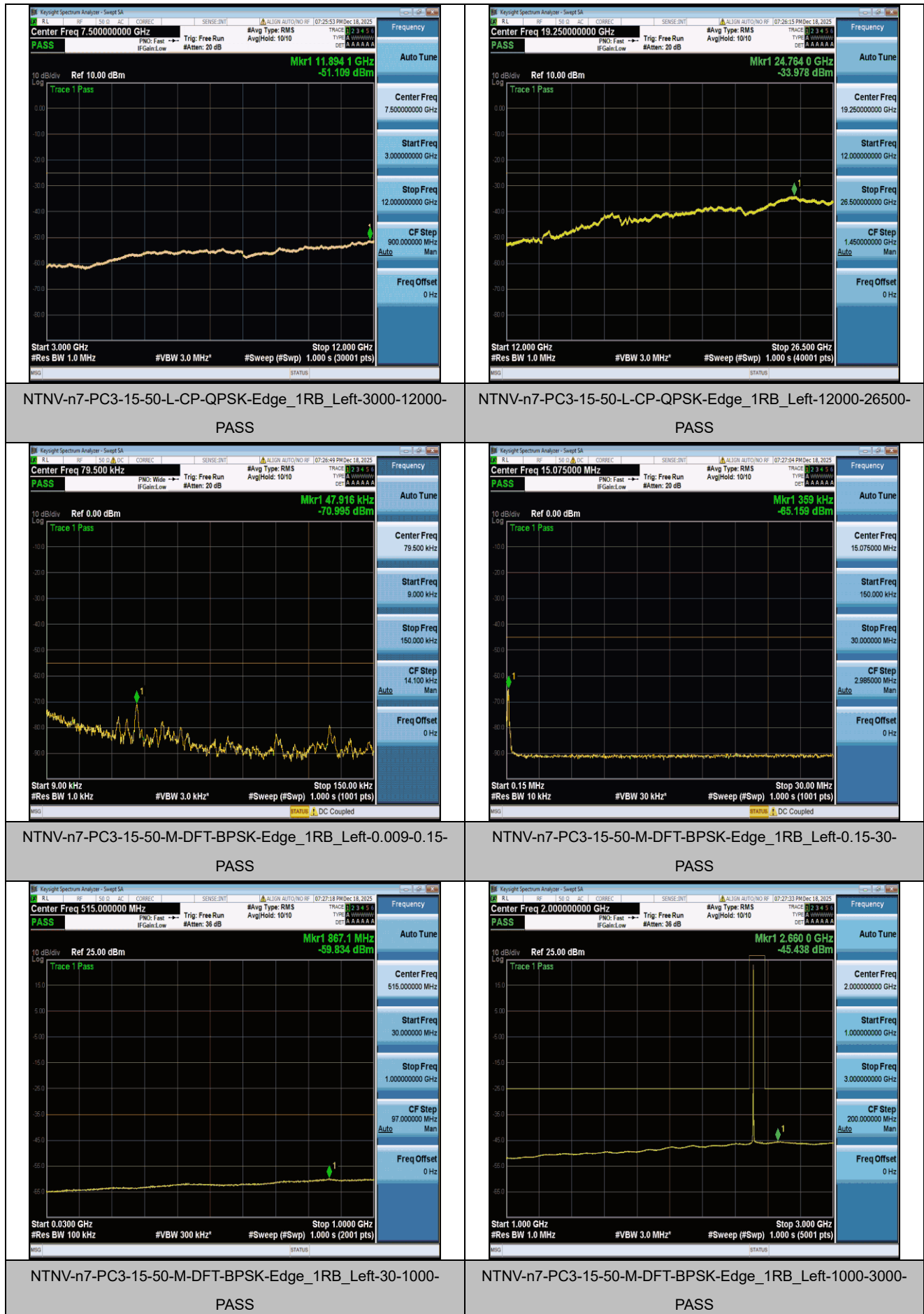


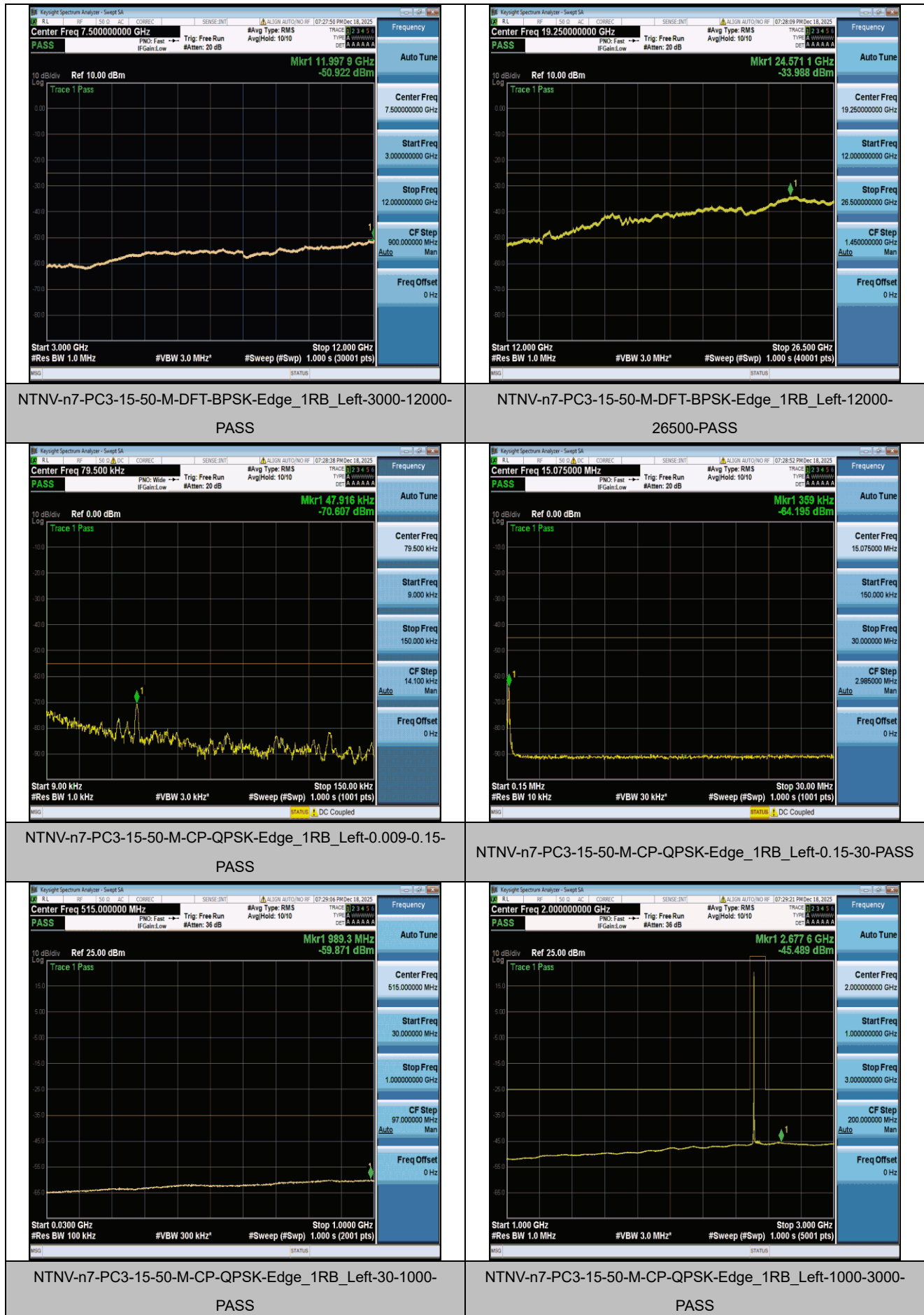
Conducted Spurious Emission for SA

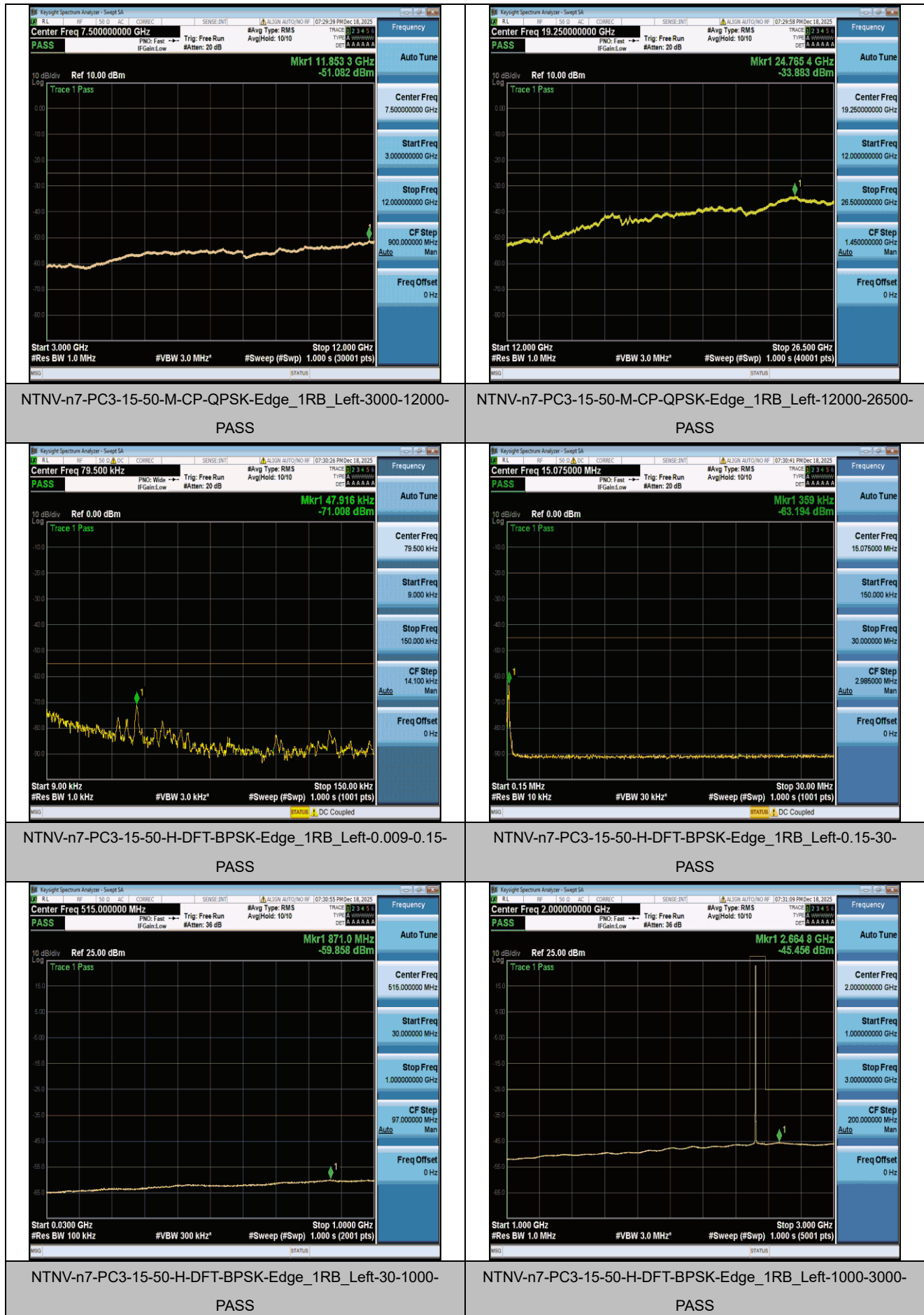
Test Graphs

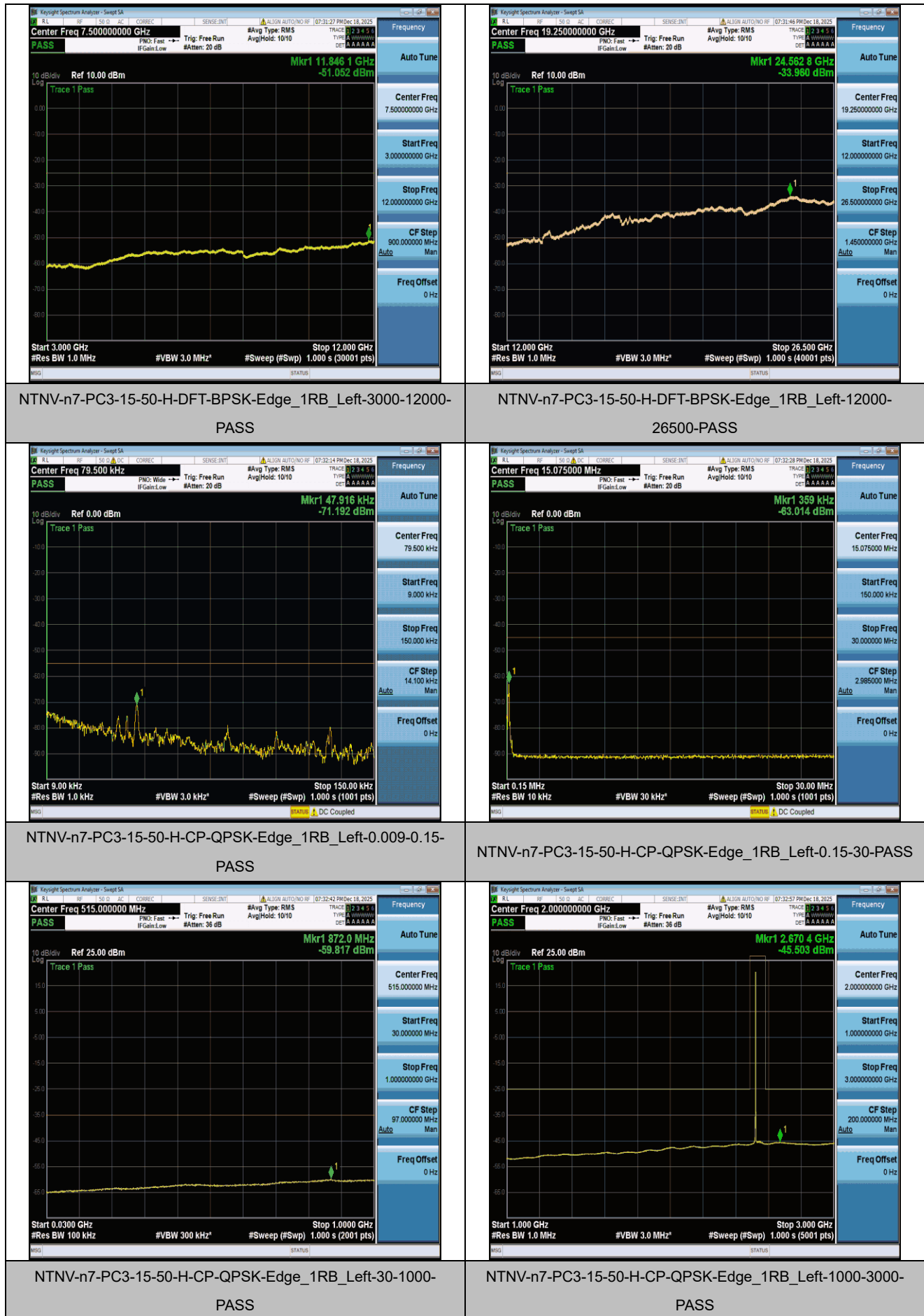














NTNV-n7-PC3-15-50-H-CP-QPSK-Edge_1RB_Left-3000-12000-

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	-8.6	-0.003393	PASS
n7	15	50	DFT-BPSK	M	Outer_Full	VN	NT	-4.9	-0.001933	PASS
n7	15	50	DFT-BPSK	M	Outer_Full	VH	NT	-10	-0.003945	PASS
n7	15	50	CP-QPSK	M	Outer_Full	VL	NT	-5.1	-0.002012	PASS
n7	15	50	CP-QPSK	M	Outer_Full	VN	NT	-6.9	-0.002722	PASS
n7	15	50	CP-QPSK	M	Outer_Full	VH	NT	-5.4	-0.00213	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	-7	-0.002761	PASS
n7	15	50	DFT-BPSK	M	Outer_Full	NV	-20	-6.6	-0.002604	PASS
n7	15	50	DFT-BPSK	M	Outer_Full	NV	-10	-5	-0.001972	PASS
n7	15	50	DFT-BPSK	M	Outer_Full	NV	0	-4.3	-0.001696	PASS
n7	15	50	DFT-BPSK	M	Outer_Full	NV	10	-5.9	-0.002327	PASS
n7	15	50	DFT-BPSK	M	Outer_Full	NV	20	-6.7	-0.002643	PASS
n7	15	50	DFT-BPSK	M	Outer_Full	NV	30	-3.3	-0.001302	PASS
n7	15	50	DFT-BPSK	M	Outer_Full	NV	40	-3.7	-0.00146	PASS
n7	15	50	DFT-BPSK	M	Outer_Full	NV	50	-5.5	-0.00217	PASS
n7	15	50	CP-QPSK	M	Outer_Full	NV	-30	-8.8	-0.003471	PASS
n7	15	50	CP-QPSK	M	Outer_Full	NV	-20	-9.1	-0.00359	PASS
n7	15	50	CP-QPSK	M	Outer_Full	NV	-10	-5.9	-0.002327	PASS
n7	15	50	CP-QPSK	M	Outer_Full	NV	0	-6.7	-0.002643	PASS
n7	15	50	CP-QPSK	M	Outer_Full	NV	10	-8.1	-0.003195	PASS
n7	15	50	CP-QPSK	M	Outer_Full	NV	20	-3.8	-0.001499	PASS
n7	15	50	CP-QPSK	M	Outer_Full	NV	30	-8	-0.003156	PASS
n7	15	50	CP-QPSK	M	Outer_Full	NV	40	-10.9	-0.0043	PASS
n7	15	50	CP-QPSK	M	Outer_Full	NV	50	-6	-0.002367	PASS

~The End~