

Appendix for n14

Product Name: TITAN 5400

Model No: G5G-X62O

Appendix A: Average Power Output Data for SA

Test Result

Band	SCS	Bandwidth	Modulation	Channel	RB Config	Power (dBm)	Power Class	Verdict
N14	15	5	DFT-QPSK	L	Outer_Full	23.58	PC3	PASS
N14	15	5	DFT-QPSK	L	Inner_Full	24.68	PC3	PASS
N14	15	5	DFT-QPSK	L	Edge_1RB_Left	23.50	PC3	PASS
N14	15	5	DFT-QPSK	L	Edge_1RB_Right	23.59	PC3	PASS
N14	15	5	DFT-16QAM	L	Outer_Full	22.55	PC3	PASS
N14	15	5	DFT-16QAM	L	Inner_Full	23.72	PC3	PASS
N14	15	5	DFT-16QAM	L	Edge_1RB_Left	22.33	PC3	PASS
N14	15	5	DFT-16QAM	L	Edge_1RB_Right	22.31	PC3	PASS
N14	15	5	DFT-QPSK	M	Outer_Full	23.83	PC3	PASS
N14	15	5	DFT-QPSK	M	Inner_Full	24.78	PC3	PASS
N14	15	5	DFT-QPSK	M	Edge_1RB_Left	23.52	PC3	PASS
N14	15	5	DFT-QPSK	M	Edge_1RB_Right	23.62	PC3	PASS
N14	15	5	DFT-16QAM	M	Outer_Full	22.90	PC3	PASS
N14	15	5	DFT-16QAM	M	Inner_Full	23.80	PC3	PASS
N14	15	5	DFT-16QAM	M	Edge_1RB_Left	22.93	PC3	PASS
N14	15	5	DFT-16QAM	M	Edge_1RB_Right	22.73	PC3	PASS
N14	15	5	DFT-QPSK	H	Outer_Full	23.86	PC3	PASS
N14	15	5	DFT-QPSK	H	Inner_Full	24.81	PC3	PASS
N14	15	5	DFT-QPSK	H	Edge_1RB_Left	23.99	PC3	PASS
N14	15	5	DFT-QPSK	H	Edge_1RB_Right	23.94	PC3	PASS
N14	15	5	DFT-16QAM	H	Outer_Full	22.77	PC3	PASS
N14	15	5	DFT-16QAM	H	Inner_Full	23.79	PC3	PASS
N14	15	5	DFT-16QAM	H	Edge_1RB_Left	22.66	PC3	PASS
N14	15	5	DFT-16QAM	H	Edge_1RB_Right	23.15	PC3	PASS
N14	15	10	DFT-QPSK	L	Outer_Full	23.74	PC3	PASS
N14	15	10	DFT-QPSK	L	Inner_Full	24.89	PC3	PASS
N14	15	10	DFT-QPSK	L	Edge_1RB_Left	23.71	PC3	PASS
N14	15	10	DFT-QPSK	L	Edge_1RB_Right	23.99	PC3	PASS
N14	15	10	DFT-16QAM	L	Outer_Full	22.71	PC3	PASS
N14	15	10	DFT-16QAM	L	Inner_Full	23.76	PC3	PASS
N14	15	10	DFT-16QAM	L	Edge_1RB_Left	23.17	PC3	PASS
N14	15	10	DFT-16QAM	L	Edge_1RB_Right	22.59	PC3	PASS
N14	15	10	DFT-QPSK	M	Outer_Full	23.69	PC3	PASS
N14	15	10	DFT-QPSK	M	Inner_Full	24.85	PC3	PASS

N14	15	10	DFT-QPSK	M	Edge_1RB_Left	23.83	PC3	PASS
N14	15	10	DFT-QPSK	M	Edge_1RB_Right	23.82	PC3	PASS
N14	15	10	DFT-16QAM	M	Outer_Full	22.78	PC3	PASS
N14	15	10	DFT-16QAM	M	Inner_Full	23.94	PC3	PASS
N14	15	10	DFT-16QAM	M	Edge_1RB_Left	22.93	PC3	PASS
N14	15	10	DFT-16QAM	M	Edge_1RB_Right	22.91	PC3	PASS
N14	15	10	DFT-QPSK	H	Outer_Full	23.77	PC3	PASS
N14	15	10	DFT-QPSK	H	Inner_Full	24.84	PC3	PASS
N14	15	10	DFT-QPSK	H	Edge_1RB_Left	24.03	PC3	PASS
N14	15	10	DFT-QPSK	H	Edge_1RB_Right	23.92	PC3	PASS
N14	15	10	DFT-16QAM	H	Outer_Full	22.66	PC3	PASS
N14	15	10	DFT-16QAM	H	Inner_Full	23.88	PC3	PASS
N14	15	10	DFT-16QAM	H	Edge_1RB_Left	23.01	PC3	PASS
N14	15	10	DFT-16QAM	H	Edge_1RB_Right	22.86	PC3	PASS

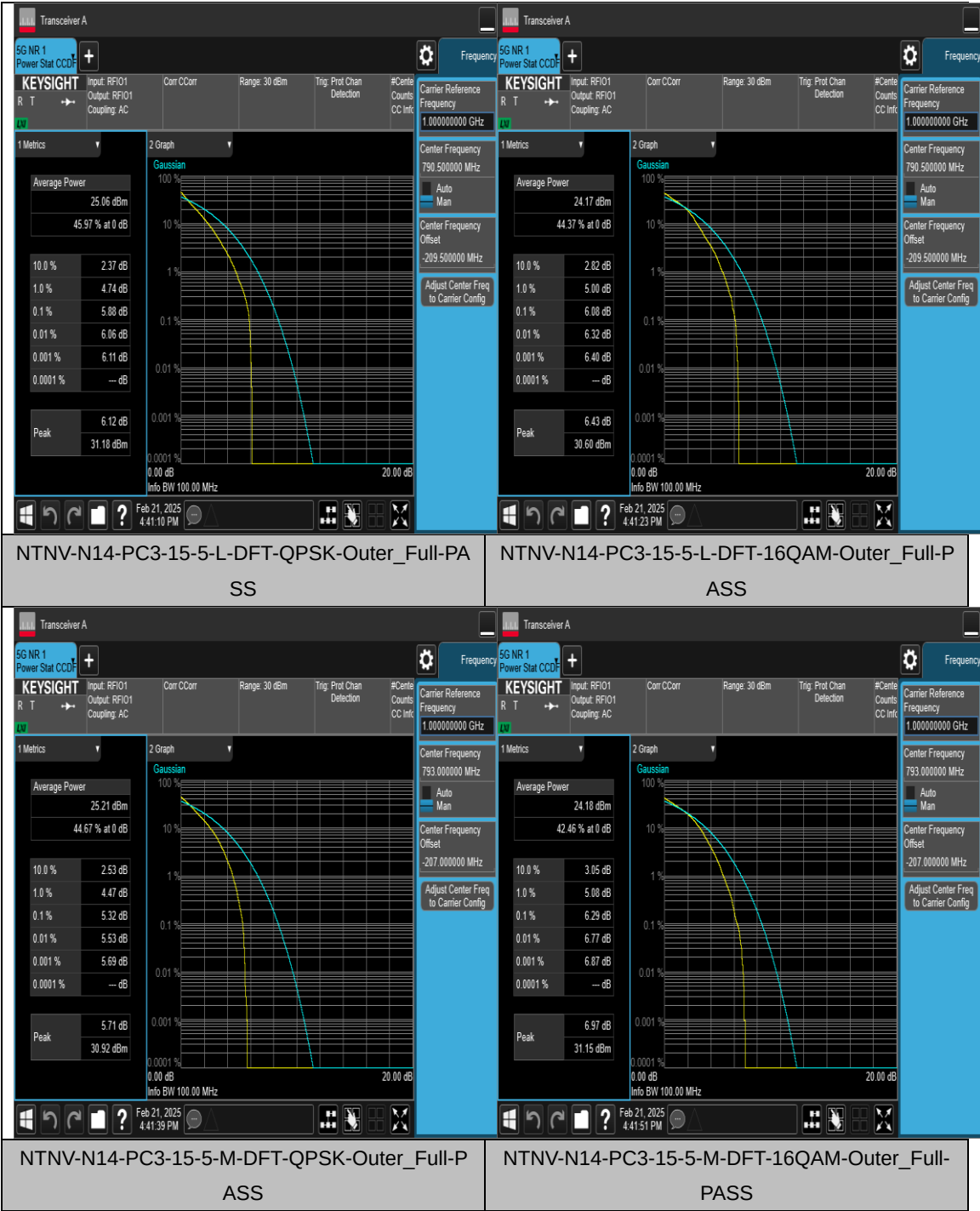
Appendix B: Peak-to-Average Ratio for SA

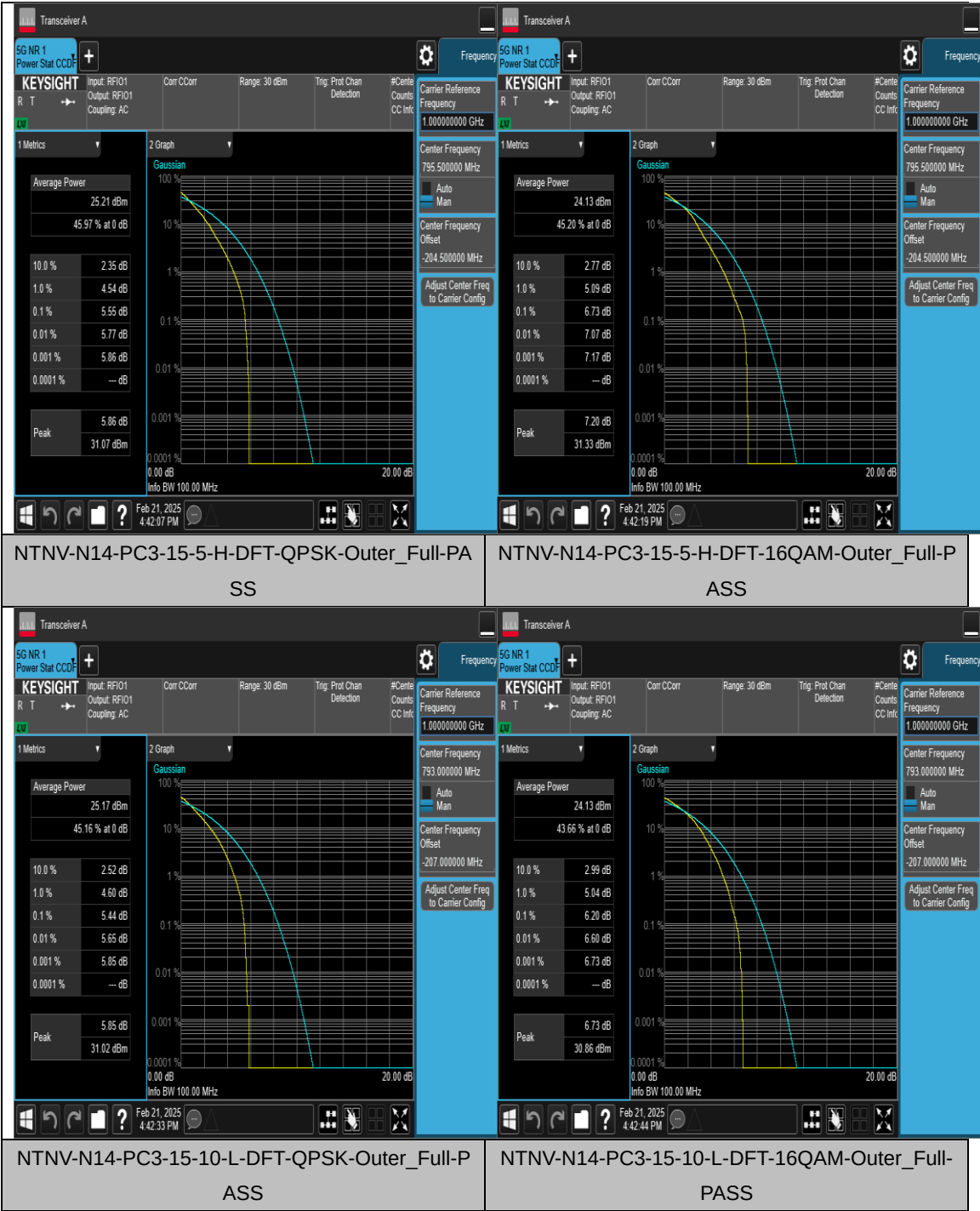
Peak-to-Average Ratio(CCDF)

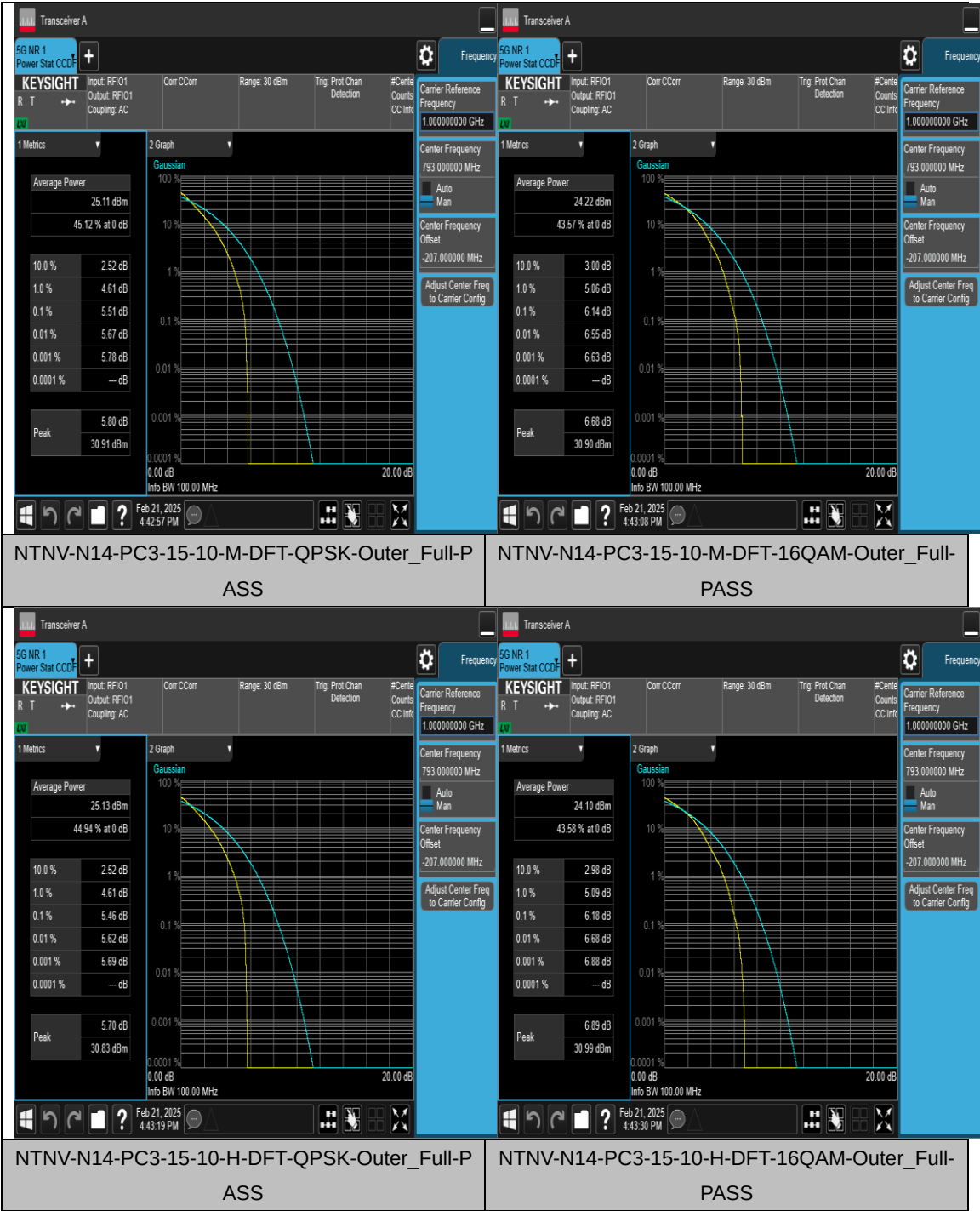
Test Result

Band	SCS	Bandwidth	Modulation	Channel	RB Config	Result	Limit	Verdict
N14	15	5	DFT-QPSK	L	Outer_Full	5.88	≤13	PASS
N14	15	5	DFT-16QAM	L	Outer_Full	6.08	≤13	PASS
N14	15	5	DFT-QPSK	M	Outer_Full	5.32	≤13	PASS
N14	15	5	DFT-16QAM	M	Outer_Full	6.29	≤13	PASS
N14	15	5	DFT-QPSK	H	Outer_Full	5.55	≤13	PASS
N14	15	5	DFT-16QAM	H	Outer_Full	6.73	≤13	PASS
N14	15	10	DFT-QPSK	L	Outer_Full	5.44	≤13	PASS
N14	15	10	DFT-16QAM	L	Outer_Full	6.20	≤13	PASS
N14	15	10	DFT-QPSK	M	Outer_Full	5.51	≤13	PASS
N14	15	10	DFT-16QAM	M	Outer_Full	6.14	≤13	PASS
N14	15	10	DFT-QPSK	H	Outer_Full	5.46	≤13	PASS
N14	15	10	DFT-16QAM	H	Outer_Full	6.18	≤13	PASS

Test Graphs





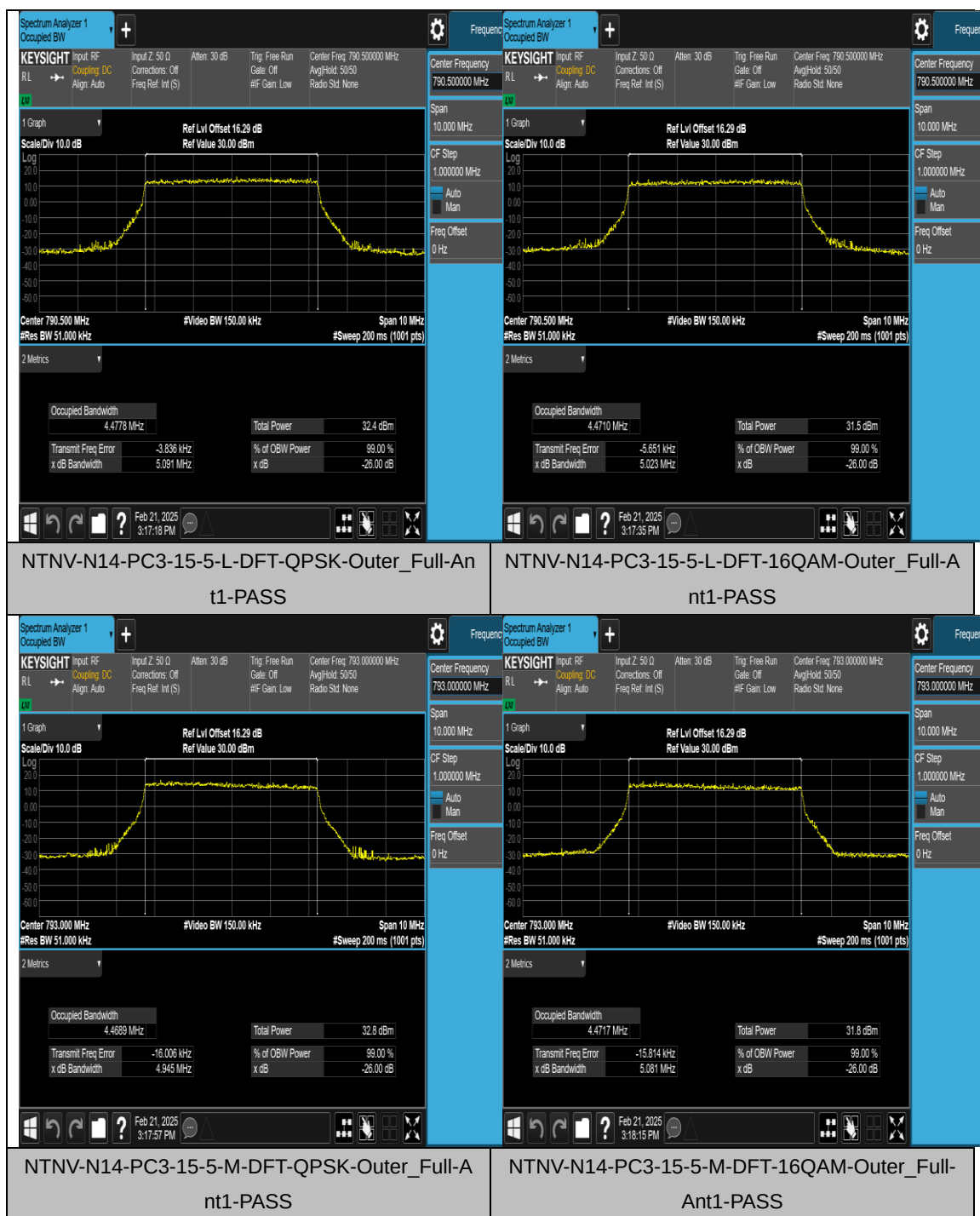


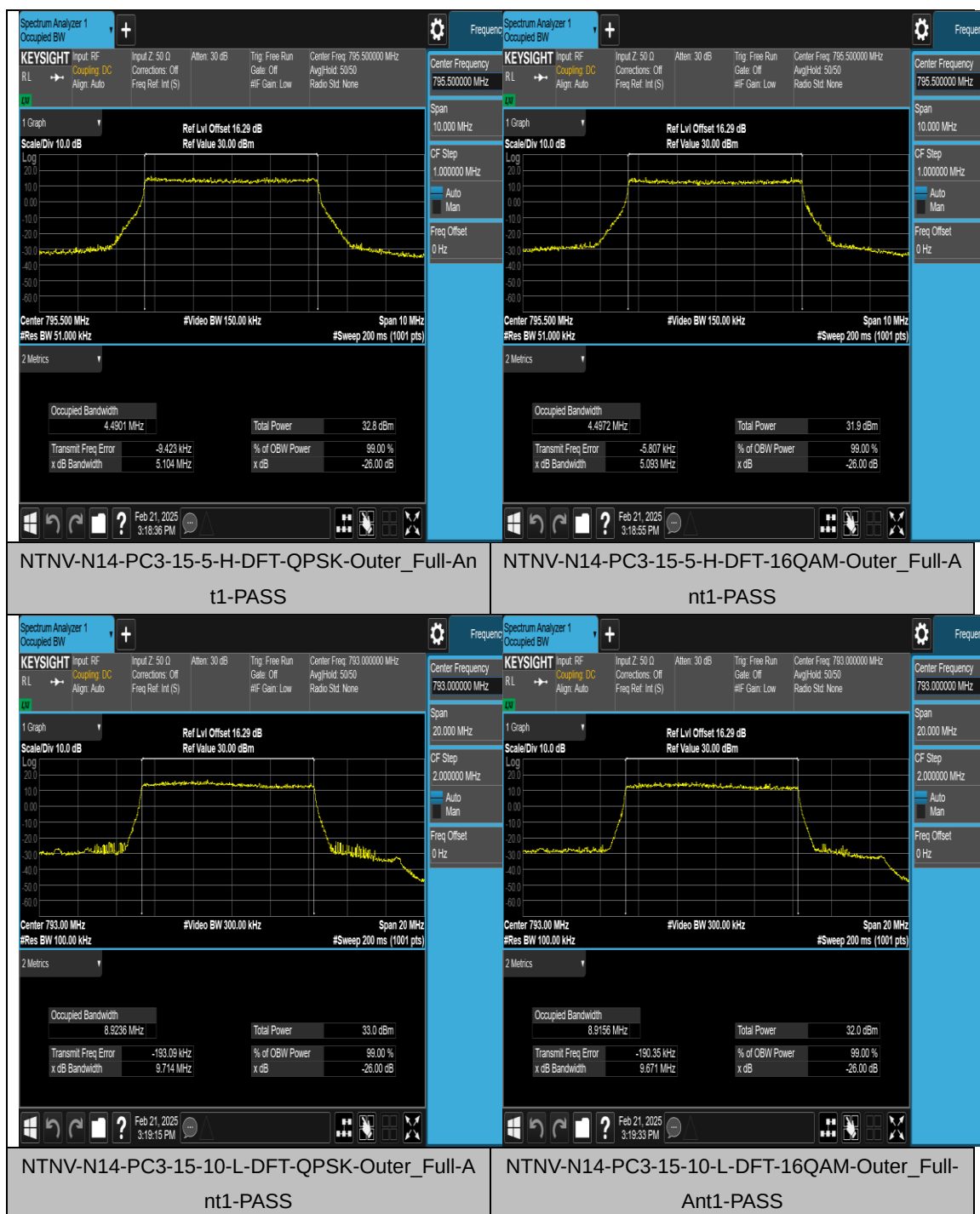
Appendix C: 26dB Bandwidth and Occupied Bandwidth for SA

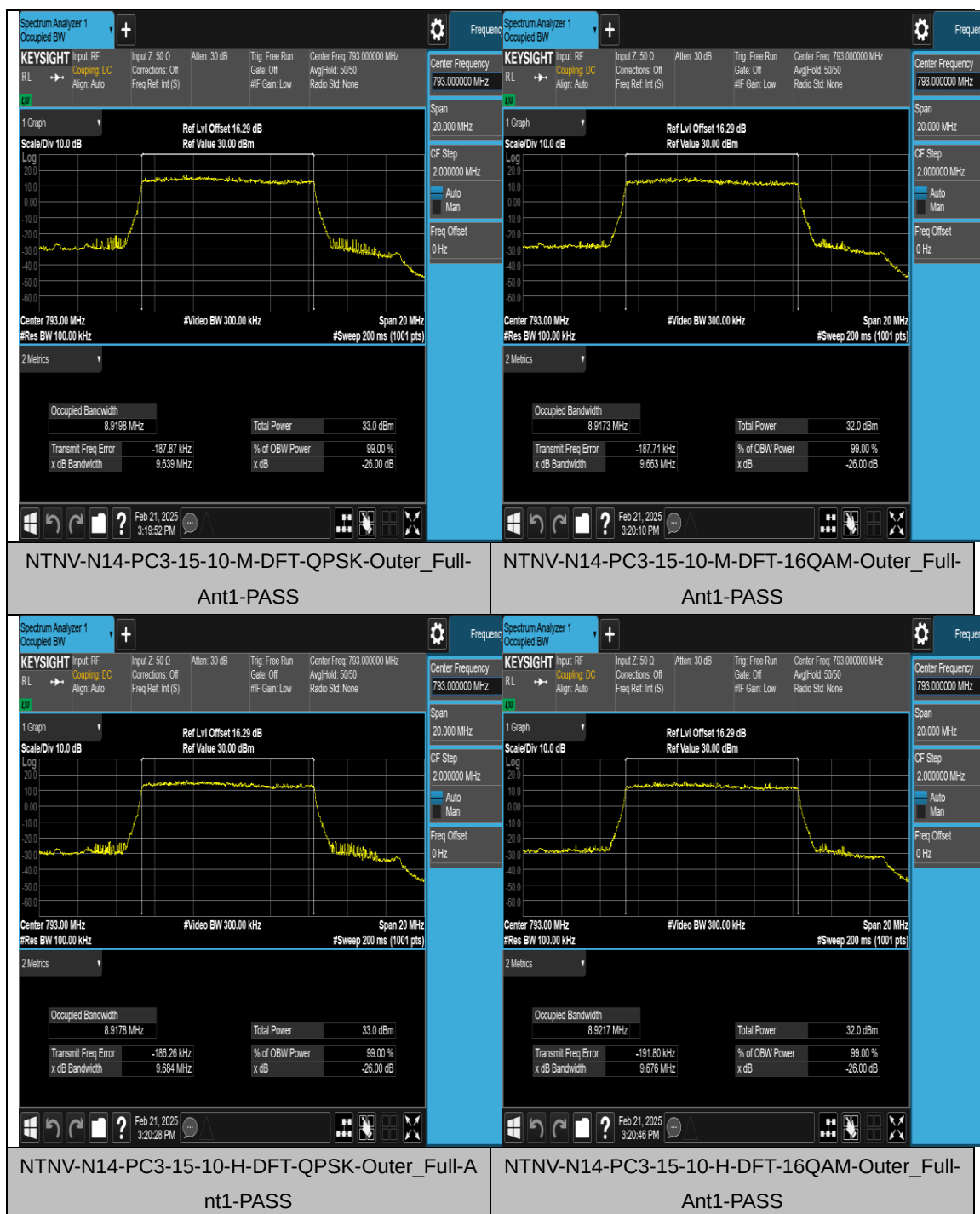
Test Result

Band	SCS	Bandwidth	Modulation	Channel	RB Config	Result (99%)	Result (26dB)	Verdict
N14	15	5	DFT-QPSK	L	Outer_Full	4.4778	5.091	PASS
N14	15	5	DFT-16QAM	L	Outer_Full	4.4710	5.023	PASS
N14	15	5	DFT-QPSK	M	Outer_Full	4.4689	4.945	PASS
N14	15	5	DFT-16QAM	M	Outer_Full	4.4717	5.081	PASS
N14	15	5	DFT-QPSK	H	Outer_Full	4.4901	5.104	PASS
N14	15	5	DFT-16QAM	H	Outer_Full	4.4972	5.093	PASS
N14	15	10	DFT-QPSK	L	Outer_Full	8.9236	9.714	PASS
N14	15	10	DFT-16QAM	L	Outer_Full	8.9156	9.671	PASS
N14	15	10	DFT-QPSK	M	Outer_Full	8.9198	9.639	PASS
N14	15	10	DFT-16QAM	M	Outer_Full	8.9173	9.663	PASS
N14	15	10	DFT-QPSK	H	Outer_Full	8.9178	9.684	PASS
N14	15	10	DFT-16QAM	H	Outer_Full	8.9217	9.676	PASS

Test Graphs





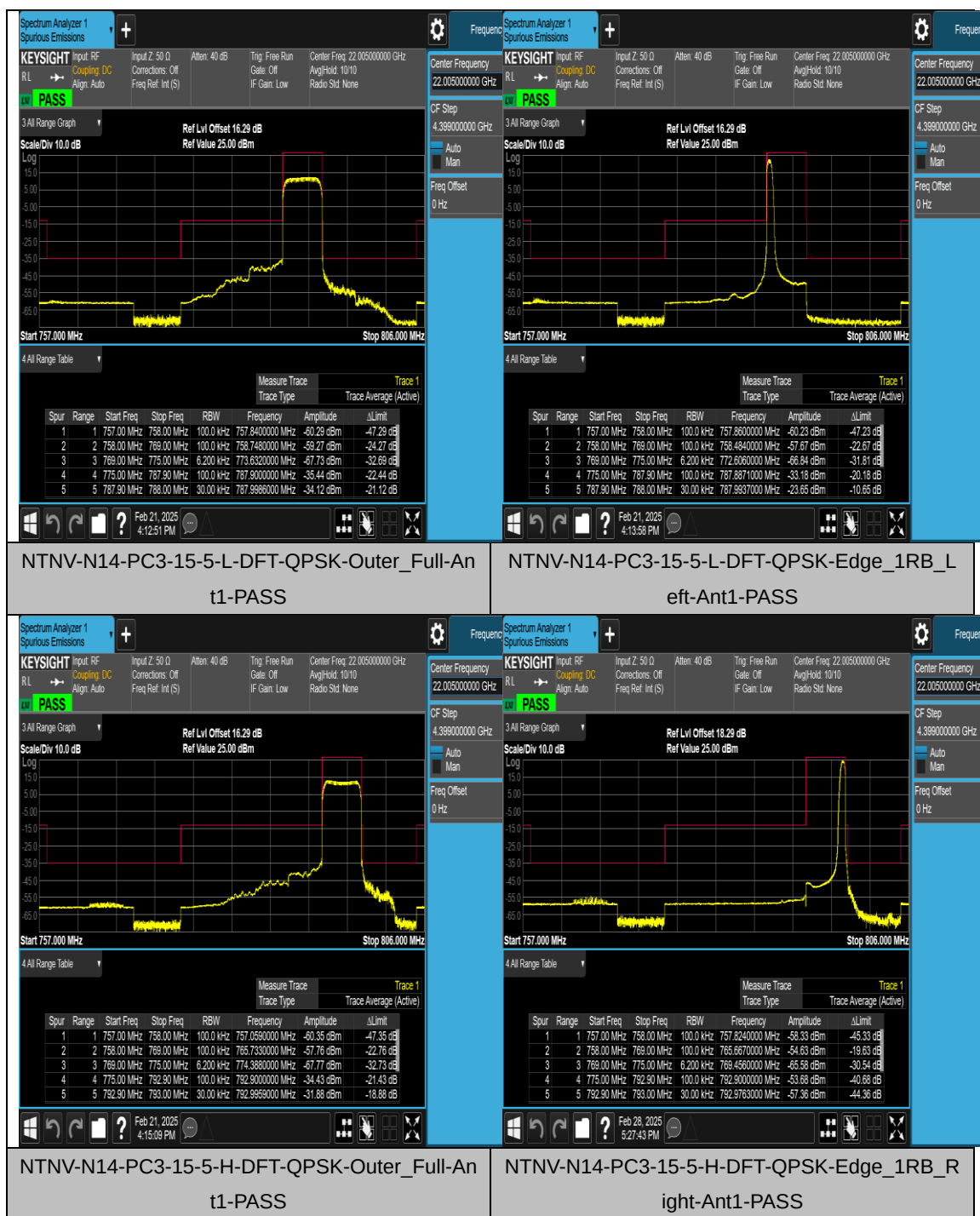


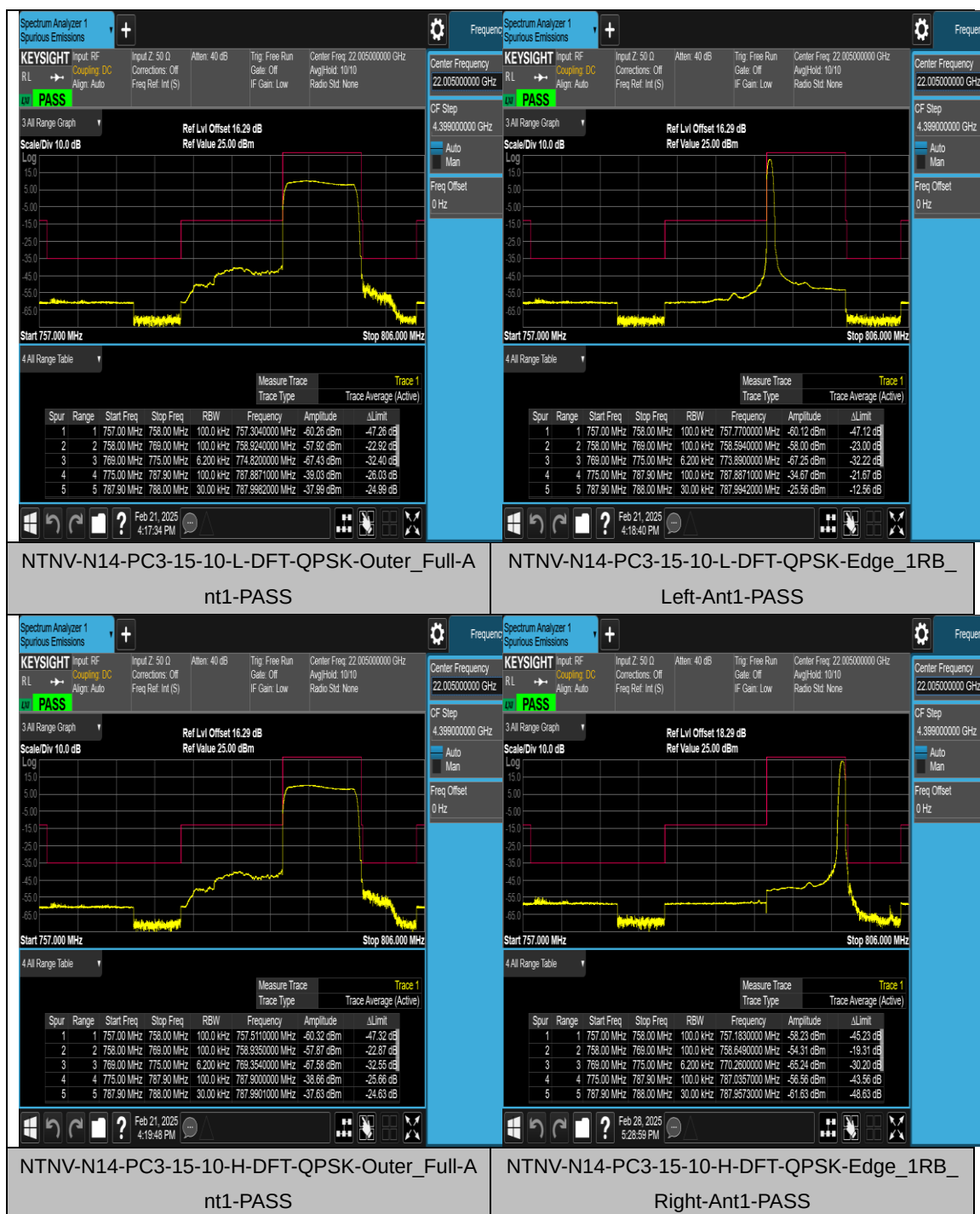
Appendix D: Band Edge for SA

Test Result

Band	SCS	Bandwidth	Modulation	Channel	RB Config	Result	Margin	Verdict
N14	15	5	DFT-QPSK	L	Outer_Full	-39.83	4.83	PASS
N14	15	5	DFT-QPSK	L	Edge_1RB_Left	-23.65	10.65	PASS
N14	15	5	DFT-QPSK	H	Outer_Full	-37.07	2.07	PASS
N14	15	5	DFT-QPSK	H	Edge_1RB_Right	-46.51	11.51	PASS
N14	15	10	DFT-QPSK	L	Outer_Full	-48.43	13.43	PASS
N14	15	10	DFT-QPSK	L	Edge_1RB_Left	-25.56	12.56	PASS
N14	15	10	DFT-QPSK	H	Outer_Full	-49.05	14.05	PASS
N14	15	10	DFT-QPSK	H	Edge_1RB_Right	-42.62	7.62	PASS

Test Graphs





Appendix E: Conducted Spurious Emission for SA

Test Result

Band	SCS	Bandwidth	Modulation	Channel	RB Config	StartFreq	StopFreq	Result	Limit	Verdict
N14	15	5	DFT-QPSK	L	Outer_Full	0.009	0.15	-57.26	-33	PASS
N14	15	5	DFT-QPSK	L	Outer_Full	0.15	30	-66.44	-23	PASS
N14	15	5	DFT-QPSK	L	Outer_Full	30	1000	-44.87	-13	PASS
N14	15	5	DFT-QPSK	L	Outer_Full	1000	3000	-28.92	-13	PASS
N14	15	5	DFT-QPSK	L	Outer_Full	3000	12000	-35.95	-13	PASS
N14	15	5	DFT-QPSK	L	Outer_Full	12000	20000	-37.54	-13	PASS
N14	15	5	DFT-QPSK	L	Edge_1RB_Left	0.009	0.15	-57.31	-33	PASS
N14	15	5	DFT-QPSK	L	Edge_1RB_Left	0.15	30	-65.68	-23	PASS
N14	15	5	DFT-QPSK	L	Edge_1RB_Left	30	1000	-44.92	-13	PASS
N14	15	5	DFT-QPSK	L	Edge_1RB_Left	1000	3000	-28.98	-13	PASS
N14	15	5	DFT-QPSK	L	Edge_1RB_Left	3000	12000	-35.91	-13	PASS
N14	15	5	DFT-QPSK	L	Edge_1RB_Left	12000	20000	-37.58	-13	PASS
N14	15	5	DFT-QPSK	L	Edge_1RB_Right	0.009	0.15	-57.09	-33	PASS
N14	15	5	DFT-QPSK	L	Edge_1RB_Right	0.15	30	-66.06	-23	PASS
N14	15	5	DFT-QPSK	L	Edge_1RB_Right	30	1000	-45.02	-13	PASS
N14	15	5	DFT-QPSK	L	Edge_1RB_Right	1000	3000	-28.99	-13	PASS
N14	15	5	DFT-QPSK	L	Edge_1RB_Right	3000	12000	-36.10	-13	PASS
N14	15	5	DFT-QPSK	L	Edge_1RB_Right	12000	20000	-37.59	-13	PASS
N14	15	5	DFT-QPSK	M	Outer_Full	0.009	0.15	-56.75	-33	PASS
N14	15	5	DFT-QPSK	M	Outer_Full	0.15	30	-67.13	-23	PASS
N14	15	5	DFT-QPSK	M	Outer_Full	30	1000	-45.27	-13	PASS
N14	15	5	DFT-QPSK	M	Outer_Full	1000	3000	-29.01	-13	PASS
N14	15	5	DFT-QPSK	M	Outer_Full	3000	12000	-36.08	-13	PASS
N14	15	5	DFT-QPSK	M	Outer_Full	12000	20000	-37.46	-13	PASS
N14	15	5	DFT-QPSK	M	Edge_1RB_Left	0.009	0.15	-55.87	-33	PASS
N14	15	5	DFT-QPSK	M	Edge_1RB_Left	0.15	30	-65.23	-23	PASS
N14	15	5	DFT-QPSK	M	Edge_1RB_Left	30	1000	-45.41	-13	PASS
N14	15	5	DFT-QPSK	M	Edge_1RB_Left	1000	3000	-28.95	-13	PASS
N14	15	5	DFT-QPSK	M	Edge_1RB_Left	3000	12000	-35.81	-13	PASS
N14	15	5	DFT-QPSK	M	Edge_1RB_Left	12000	20000	-37.57	-13	PASS
N14	15	5	DFT-QPSK	M	Edge_1RB_Right	0.009	0.15	-56.50	-33	PASS
N14	15	5	DFT-QPSK	M	Edge_1RB_Right	0.15	30	-66.36	-23	PASS
N14	15	5	DFT-QPSK	M	Edge_1RB_Right	30	1000	-45.13	-13	PASS
N14	15	5	DFT-QPSK	M	Edge_1RB_Right	1000	3000	-28.94	-13	PASS
N14	15	5	DFT-QPSK	M	Edge_1RB_Right	3000	12000	-36.14	-13	PASS

N14	15	5	DFT-QPSK	M	Edge_1RB_Right	12000	20000	-37.50	-13	PASS
N14	15	5	DFT-QPSK	H	Outer_Full	0.009	0.15	-56.61	-33	PASS
N14	15	5	DFT-QPSK	H	Outer_Full	0.15	30	-67.09	-23	PASS
N14	15	5	DFT-QPSK	H	Outer_Full	30	1000	-45.13	-13	PASS
N14	15	5	DFT-QPSK	H	Outer_Full	1000	3000	-28.90	-13	PASS
N14	15	5	DFT-QPSK	H	Outer_Full	3000	12000	-36.07	-13	PASS
N14	15	5	DFT-QPSK	H	Outer_Full	12000	20000	-37.47	-13	PASS
N14	15	5	DFT-QPSK	H	Edge_1RB_Left	0.009	0.15	-55.45	-33	PASS
N14	15	5	DFT-QPSK	H	Edge_1RB_Left	0.15	30	-66.79	-23	PASS
N14	15	5	DFT-QPSK	H	Edge_1RB_Left	30	1000	-45.46	-13	PASS
N14	15	5	DFT-QPSK	H	Edge_1RB_Left	1000	3000	-28.94	-13	PASS
N14	15	5	DFT-QPSK	H	Edge_1RB_Left	3000	12000	-36.07	-13	PASS
N14	15	5	DFT-QPSK	H	Edge_1RB_Left	12000	20000	-37.39	-13	PASS
N14	15	5	DFT-QPSK	H	Edge_1RB_Right	0.009	0.15	-56.31	-33	PASS
N14	15	5	DFT-QPSK	H	Edge_1RB_Right	0.15	30	-64.73	-23	PASS
N14	15	5	DFT-QPSK	H	Edge_1RB_Right	30	1000	-45.34	-13	PASS
N14	15	5	DFT-QPSK	H	Edge_1RB_Right	1000	3000	-29.01	-13	PASS
N14	15	5	DFT-QPSK	H	Edge_1RB_Right	3000	12000	-36.03	-13	PASS
N14	15	5	DFT-QPSK	H	Edge_1RB_Right	12000	20000	-37.40	-13	PASS
N14	15	10	DFT-QPSK	L	Outer_Full	0.009	0.15	-57.18	-33	PASS
N14	15	10	DFT-QPSK	L	Outer_Full	0.15	30	-67.45	-23	PASS
N14	15	10	DFT-QPSK	L	Outer_Full	30	1000	-44.91	-13	PASS
N14	15	10	DFT-QPSK	L	Outer_Full	1000	3000	-29.02	-13	PASS
N14	15	10	DFT-QPSK	L	Outer_Full	3000	12000	-36.02	-13	PASS
N14	15	10	DFT-QPSK	L	Outer_Full	12000	20000	-37.50	-13	PASS
N14	15	10	DFT-QPSK	L	Edge_1RB_Left	0.009	0.15	-55.78	-33	PASS
N14	15	10	DFT-QPSK	L	Edge_1RB_Left	0.15	30	-66.88	-23	PASS
N14	15	10	DFT-QPSK	L	Edge_1RB_Left	30	1000	-45.36	-13	PASS
N14	15	10	DFT-QPSK	L	Edge_1RB_Left	1000	3000	-28.93	-13	PASS
N14	15	10	DFT-QPSK	L	Edge_1RB_Left	3000	12000	-35.92	-13	PASS
N14	15	10	DFT-QPSK	L	Edge_1RB_Left	12000	20000	-37.47	-13	PASS
N14	15	10	DFT-QPSK	L	Edge_1RB_Right	0.009	0.15	-56.11	-33	PASS
N14	15	10	DFT-QPSK	L	Edge_1RB_Right	0.15	30	-66.70	-23	PASS
N14	15	10	DFT-QPSK	L	Edge_1RB_Right	30	1000	-45.23	-13	PASS
N14	15	10	DFT-QPSK	L	Edge_1RB_Right	1000	3000	-28.86	-13	PASS
N14	15	10	DFT-QPSK	L	Edge_1RB_Right	3000	12000	-35.95	-13	PASS
N14	15	10	DFT-QPSK	L	Edge_1RB_Right	12000	20000	-37.60	-13	PASS
N14	15	10	DFT-QPSK	M	Outer_Full	0.009	0.15	-56.39	-33	PASS
N14	15	10	DFT-QPSK	M	Outer_Full	0.15	30	-66.27	-23	PASS
N14	15	10	DFT-QPSK	M	Outer_Full	30	1000	-45.32	-13	PASS
N14	15	10	DFT-QPSK	M	Outer_Full	1000	3000	-28.99	-13	PASS
N14	15	10	DFT-QPSK	M	Outer_Full	3000	12000	-36.08	-13	PASS

N14	15	10	DFT-QPSK	M	Outer_Full	12000	20000	-37.52	-13	PASS
N14	15	10	DFT-QPSK	M	Edge_1RB_Left	0.009	0.15	-57.21	-33	PASS
N14	15	10	DFT-QPSK	M	Edge_1RB_Left	0.15	30	-65.13	-23	PASS
N14	15	10	DFT-QPSK	M	Edge_1RB_Left	30	1000	-45.36	-13	PASS
N14	15	10	DFT-QPSK	M	Edge_1RB_Left	1000	3000	-29.02	-13	PASS
N14	15	10	DFT-QPSK	M	Edge_1RB_Left	3000	12000	-36.28	-13	PASS
N14	15	10	DFT-QPSK	M	Edge_1RB_Left	12000	20000	-37.62	-13	PASS
N14	15	10	DFT-QPSK	M	Edge_1RB_Right	0.009	0.15	-57.30	-33	PASS
N14	15	10	DFT-QPSK	M	Edge_1RB_Right	0.15	30	-66.83	-23	PASS
N14	15	10	DFT-QPSK	M	Edge_1RB_Right	30	1000	-45.39	-13	PASS
N14	15	10	DFT-QPSK	M	Edge_1RB_Right	1000	3000	-29.04	-13	PASS
N14	15	10	DFT-QPSK	M	Edge_1RB_Right	3000	12000	-36.14	-13	PASS
N14	15	10	DFT-QPSK	M	Edge_1RB_Right	12000	20000	-37.34	-13	PASS
N14	15	10	DFT-QPSK	H	Outer_Full	0.009	0.15	-55.38	-33	PASS
N14	15	10	DFT-QPSK	H	Outer_Full	0.15	30	-67.93	-23	PASS
N14	15	10	DFT-QPSK	H	Outer_Full	30	1000	-45.39	-13	PASS
N14	15	10	DFT-QPSK	H	Outer_Full	1000	3000	-29.00	-13	PASS
N14	15	10	DFT-QPSK	H	Outer_Full	3000	12000	-36.18	-13	PASS
N14	15	10	DFT-QPSK	H	Outer_Full	12000	20000	-37.60	-13	PASS
N14	15	10	DFT-QPSK	H	Edge_1RB_Left	0.009	0.15	-57.08	-33	PASS
N14	15	10	DFT-QPSK	H	Edge_1RB_Left	0.15	30	-65.23	-23	PASS
N14	15	10	DFT-QPSK	H	Edge_1RB_Left	30	1000	-45.19	-13	PASS
N14	15	10	DFT-QPSK	H	Edge_1RB_Left	1000	3000	-28.94	-13	PASS
N14	15	10	DFT-QPSK	H	Edge_1RB_Left	3000	12000	-36.15	-13	PASS
N14	15	10	DFT-QPSK	H	Edge_1RB_Left	12000	20000	-37.54	-13	PASS
N14	15	10	DFT-QPSK	H	Edge_1RB_Right	0.009	0.15	-55.97	-33	PASS
N14	15	10	DFT-QPSK	H	Edge_1RB_Right	0.15	30	-66.07	-23	PASS
N14	15	10	DFT-QPSK	H	Edge_1RB_Right	30	1000	-45.39	-13	PASS
N14	15	10	DFT-QPSK	H	Edge_1RB_Right	1000	3000	-28.98	-13	PASS
N14	15	10	DFT-QPSK	H	Edge_1RB_Right	3000	12000	-36.08	-13	PASS
N14	15	10	DFT-QPSK	H	Edge_1RB_Right	12000	20000	-37.46	-13	PASS

Test Graphs







