

Appendix for n30

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
N30	30	5	DFT-QPSK	L	Outer_Full	21.78	PC3	PASS
N30	30	5	DFT-QPSK	L	Inner_Full	22.76	PC3	PASS
N30	30	5	DFT-QPSK	L	Edge_1RB_Left	21.37	PC3	PASS
N30	30	5	DFT-QPSK	L	Edge_1RB_Right	22.79	PC3	PASS
N30	30	5	DFT-16QAM	L	Outer_Full	20.73	PC3	PASS
N30	30	5	DFT-16QAM	L	Inner_Full	21.64	PC3	PASS
N30	30	5	DFT-16QAM	L	Edge_1RB_Left	20.21	PC3	PASS
N30	30	5	DFT-16QAM	L	Edge_1RB_Right	21.41	PC3	PASS
N30	30	5	DFT-QPSK	M	Outer_Full	21.86	PC3	PASS
N30	30	5	DFT-QPSK	M	Inner_Full	22.87	PC3	PASS
N30	30	5	DFT-QPSK	M	Edge_1RB_Left	21.66	PC3	PASS
N30	30	5	DFT-QPSK	M	Edge_1RB_Right	22.97	PC3	PASS
N30	30	5	DFT-16QAM	M	Outer_Full	20.85	PC3	PASS
N30	30	5	DFT-16QAM	M	Inner_Full	21.99	PC3	PASS
N30	30	5	DFT-16QAM	M	Edge_1RB_Left	20.55	PC3	PASS
N30	30	5	DFT-16QAM	M	Edge_1RB_Right	22.27	PC3	PASS
N30	30	5	DFT-QPSK	H	Outer_Full	21.80	PC3	PASS
N30	30	5	DFT-QPSK	H	Inner_Full	22.69	PC3	PASS
N30	30	5	DFT-QPSK	H	Edge_1RB_Left	21.90	PC3	PASS
N30	30	5	DFT-QPSK	H	Edge_1RB_Right	22.89	PC3	PASS
N30	30	5	DFT-16QAM	H	Outer_Full	20.61	PC3	PASS
N30	30	5	DFT-16QAM	H	Inner_Full	21.99	PC3	PASS
N30	30	5	DFT-16QAM	H	Edge_1RB_Left	21.23	PC3	PASS
N30	30	5	DFT-16QAM	H	Edge_1RB_Right	22.21	PC3	PASS
N30	30	10	DFT-QPSK	L	Outer_Full	21.82	PC3	PASS
N30	30	10	DFT-QPSK	L	Inner_Full	21.80	PC3	PASS
N30	30	10	DFT-QPSK	L	Edge_1RB_Left	21.82	PC3	PASS
N30	30	10	DFT-QPSK	L	Edge_1RB_Right	22.35	PC3	PASS
N30	30	10	DFT-QPSK	M	Outer_Full	21.81	PC3	PASS
N30	15	5	DFT-QPSK	L	Outer_Full	21.73	PC3	PASS
N30	15	5	DFT-QPSK	L	Inner_Full	22.76	PC3	PASS
N30	15	5	DFT-QPSK	L	Edge_1RB_Left	21.84	PC3	PASS
N30	15	5	DFT-QPSK	L	Edge_1RB_Right	21.38	PC3	PASS
N30	15	5	DFT-16QAM	L	Outer_Full	20.72	PC3	PASS

N30	15	5	DFT-16QAM	L	Inner_Full	21.95	PC3	PASS
N30	15	5	DFT-16QAM	L	Edge_1RB_Left	20.42	PC3	PASS
N30	15	5	DFT-16QAM	L	Edge_1RB_Right	20.86	PC3	PASS
N30	15	5	DFT-QPSK	M	Outer_Full	21.75	PC3	PASS
N30	15	5	DFT-QPSK	M	Inner_Full	22.88	PC3	PASS
N30	15	5	DFT-QPSK	M	Edge_1RB_Left	21.63	PC3	PASS
N30	15	5	DFT-QPSK	M	Edge_1RB_Right	21.52	PC3	PASS
N30	15	5	DFT-16QAM	M	Outer_Full	20.82	PC3	PASS
N30	15	5	DFT-16QAM	M	Inner_Full	21.75	PC3	PASS
N30	15	5	DFT-16QAM	M	Edge_1RB_Left	21.53	PC3	PASS
N30	15	5	DFT-16QAM	M	Edge_1RB_Right	20.96	PC3	PASS
N30	15	5	DFT-QPSK	H	Outer_Full	21.80	PC3	PASS
N30	15	5	DFT-QPSK	H	Inner_Full	22.84	PC3	PASS
N30	15	5	DFT-QPSK	H	Edge_1RB_Left	21.56	PC3	PASS
N30	15	5	DFT-QPSK	H	Edge_1RB_Right	21.72	PC3	PASS
N30	15	5	DFT-16QAM	H	Outer_Full	20.96	PC3	PASS
N30	15	5	DFT-16QAM	H	Inner_Full	21.96	PC3	PASS
N30	15	5	DFT-16QAM	H	Edge_1RB_Left	20.45	PC3	PASS
N30	15	5	DFT-16QAM	H	Edge_1RB_Right	20.98	PC3	PASS
N30	15	10	DFT-QPSK	L	Outer_Full	21.84	PC3	PASS
N30	15	10	DFT-QPSK	L	Inner_Full	22.82	PC3	PASS
N30	15	10	DFT-QPSK	L	Edge_1RB_Left	21.67	PC3	PASS
N30	15	10	DFT-QPSK	L	Edge_1RB_Right	21.88	PC3	PASS
N30	15	10	DFT-16QAM	L	Outer_Full	20.81	PC3	PASS
N30	15	10	DFT-16QAM	L	Inner_Full	21.96	PC3	PASS
N30	15	10	DFT-16QAM	L	Edge_1RB_Left	20.62	PC3	PASS
N30	15	10	DFT-QPSK	M	Outer_Full	21.86	PC3	PASS
N30	15	10	DFT-QPSK	M	Inner_Full	22.91	PC3	PASS
N30	15	10	DFT-QPSK	M	Edge_1RB_Left	21.74	PC3	PASS
N30	15	10	DFT-QPSK	M	Edge_1RB_Right	21.79	PC3	PASS
N30	15	10	DFT-16QAM	M	Outer_Full	20.86	PC3	PASS
N30	15	10	DFT-16QAM	M	Inner_Full	21.96	PC3	PASS
N30	15	10	DFT-16QAM	M	Edge_1RB_Left	20.87	PC3	PASS
N30	15	10	DFT-16QAM	M	Edge_1RB_Right	21.18	PC3	PASS

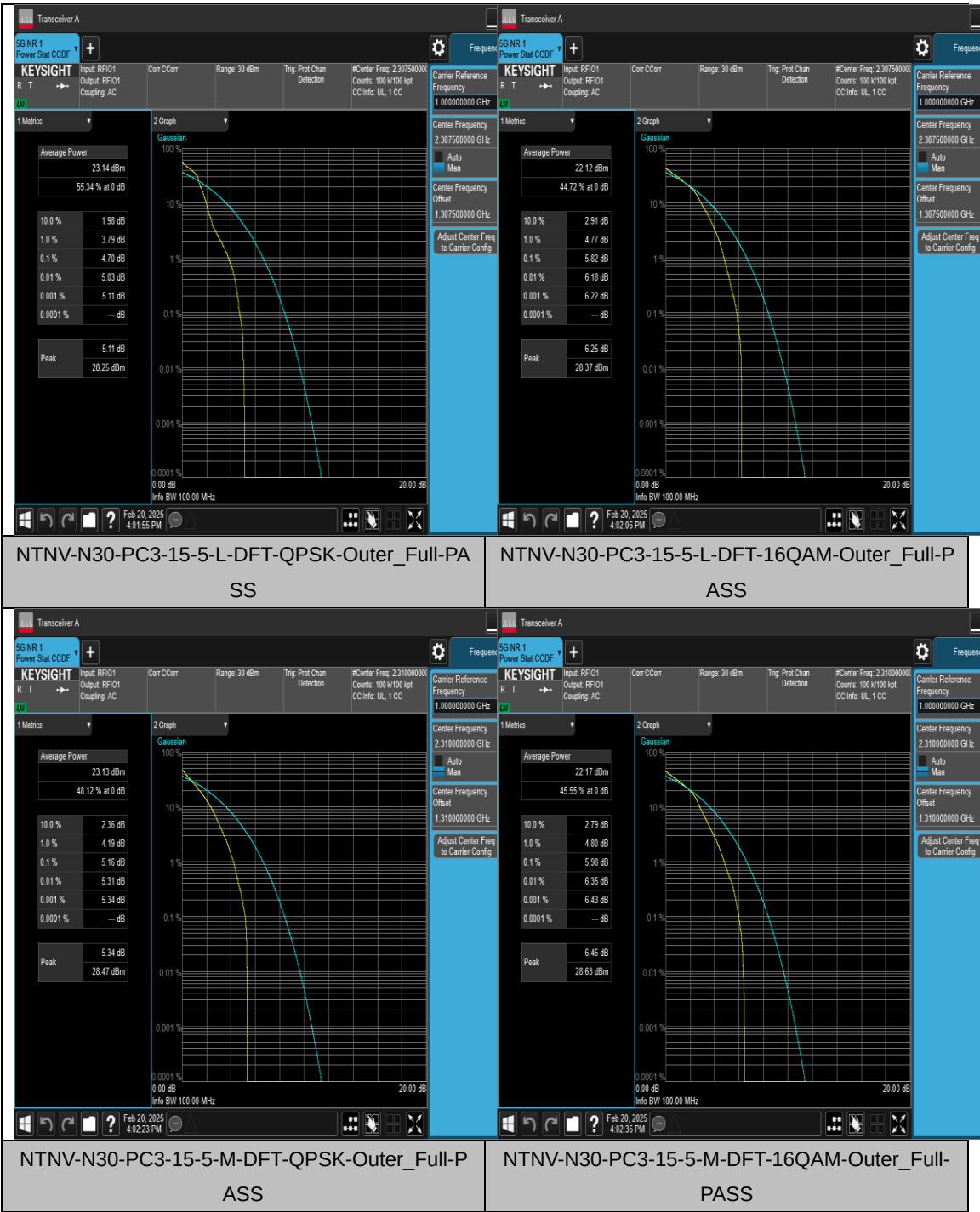
Appendix B: Peak-to-Average Ratio for SA

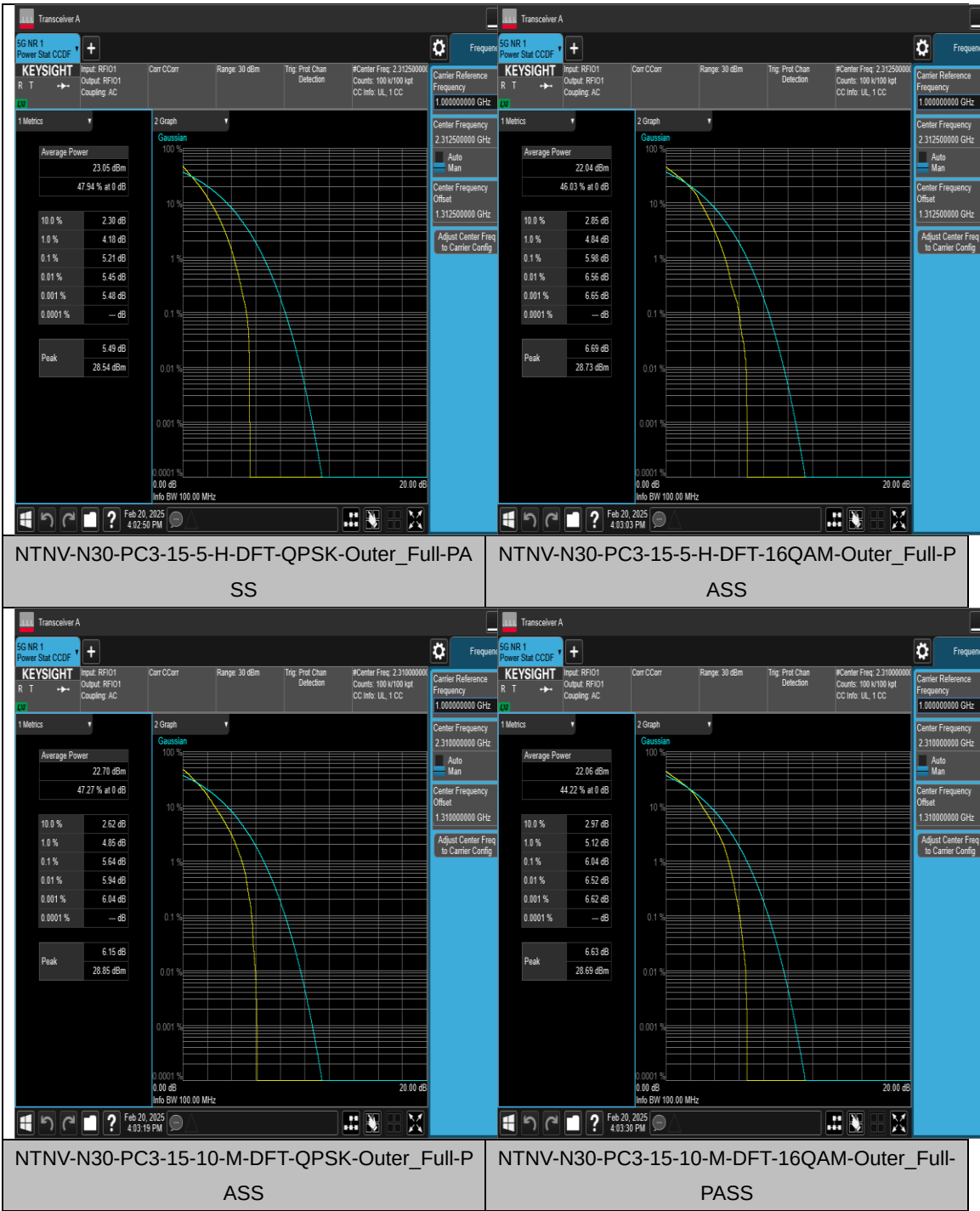
Peak-to-Average Ratio(CCDF)

Test Result

Band	SCS	Bandwidth	Modulation	Channel	RB Config	Result	Limit	Verdict
N30	15	5	DFT-QPSK	L	Outer_Full	4.70	≤13	PASS
N30	15	5	DFT-16QAM	L	Outer_Full	5.82	≤13	PASS
N30	15	5	DFT-QPSK	M	Outer_Full	5.16	≤13	PASS
N30	15	5	DFT-16QAM	M	Outer_Full	5.98	≤13	PASS
N30	15	5	DFT-QPSK	H	Outer_Full	5.21	≤13	PASS
N30	15	5	DFT-16QAM	H	Outer_Full	5.98	≤13	PASS
N30	15	10	DFT-QPSK	M	Outer_Full	5.64	≤13	PASS
N30	15	10	DFT-16QAM	M	Outer_Full	6.04	≤13	PASS

Test Graphs



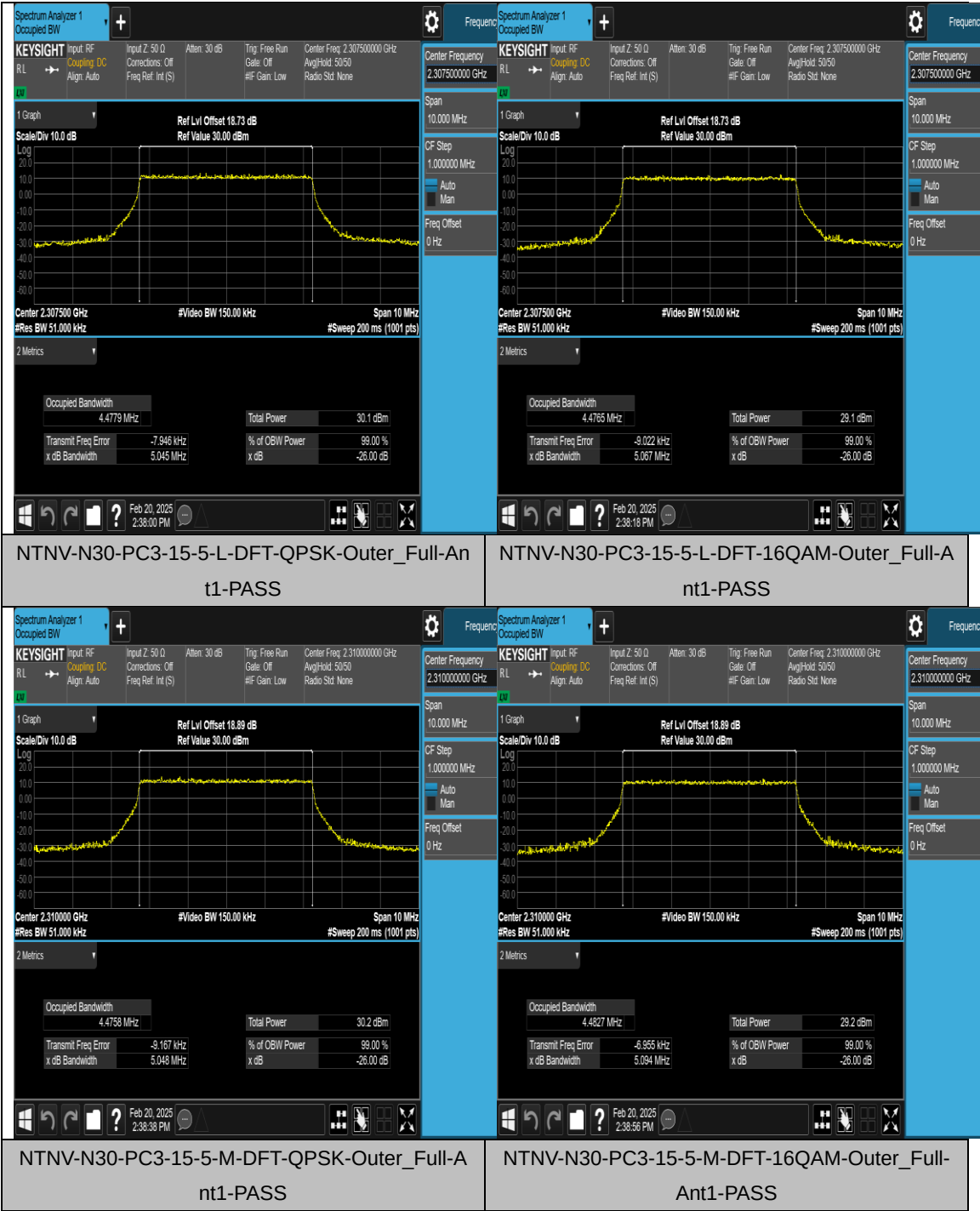


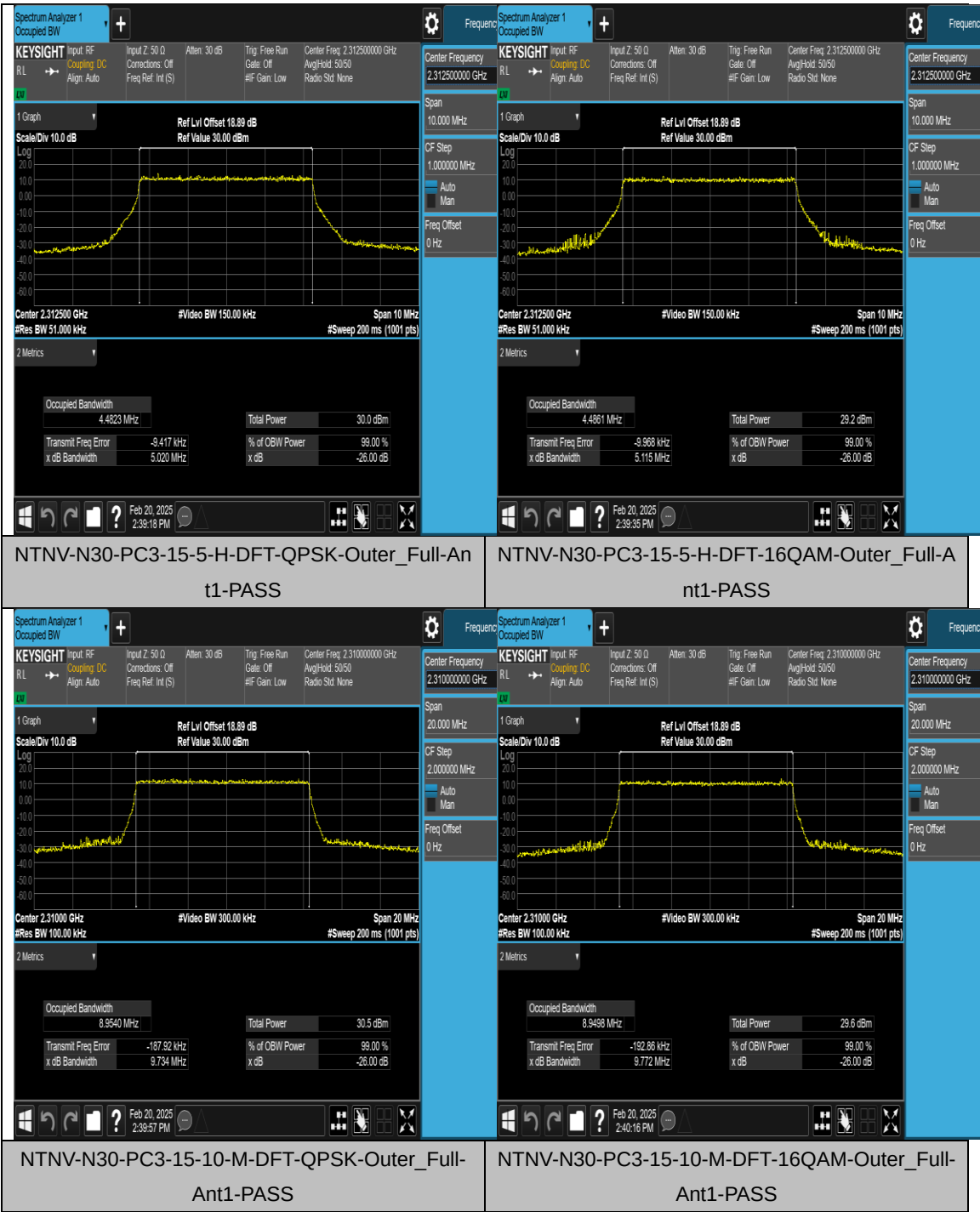
Appendix C: 26dB Bandwidth and Occupied Bandwidth for SA

Test Result

Band	SCS	Bandwidth	Modulation	Channel	RB Config	Result (99%)	Result (26dB)	Verdict
N30	15	5	DFT-QPSK	L	Outer_Full	4.4779	5.045	PASS
N30	15	5	DFT-16QAM	L	Outer_Full	4.4765	5.067	PASS
N30	15	5	DFT-QPSK	M	Outer_Full	4.4758	5.048	PASS
N30	15	5	DFT-16QAM	M	Outer_Full	4.4827	5.094	PASS
N30	15	5	DFT-QPSK	H	Outer_Full	4.4823	5.020	PASS
N30	15	5	DFT-16QAM	H	Outer_Full	4.4861	5.115	PASS
N30	15	10	DFT-QPSK	M	Outer_Full	8.9540	9.734	PASS
N30	15	10	DFT-16QAM	M	Outer_Full	8.9498	9.772	PASS

Test Graphs



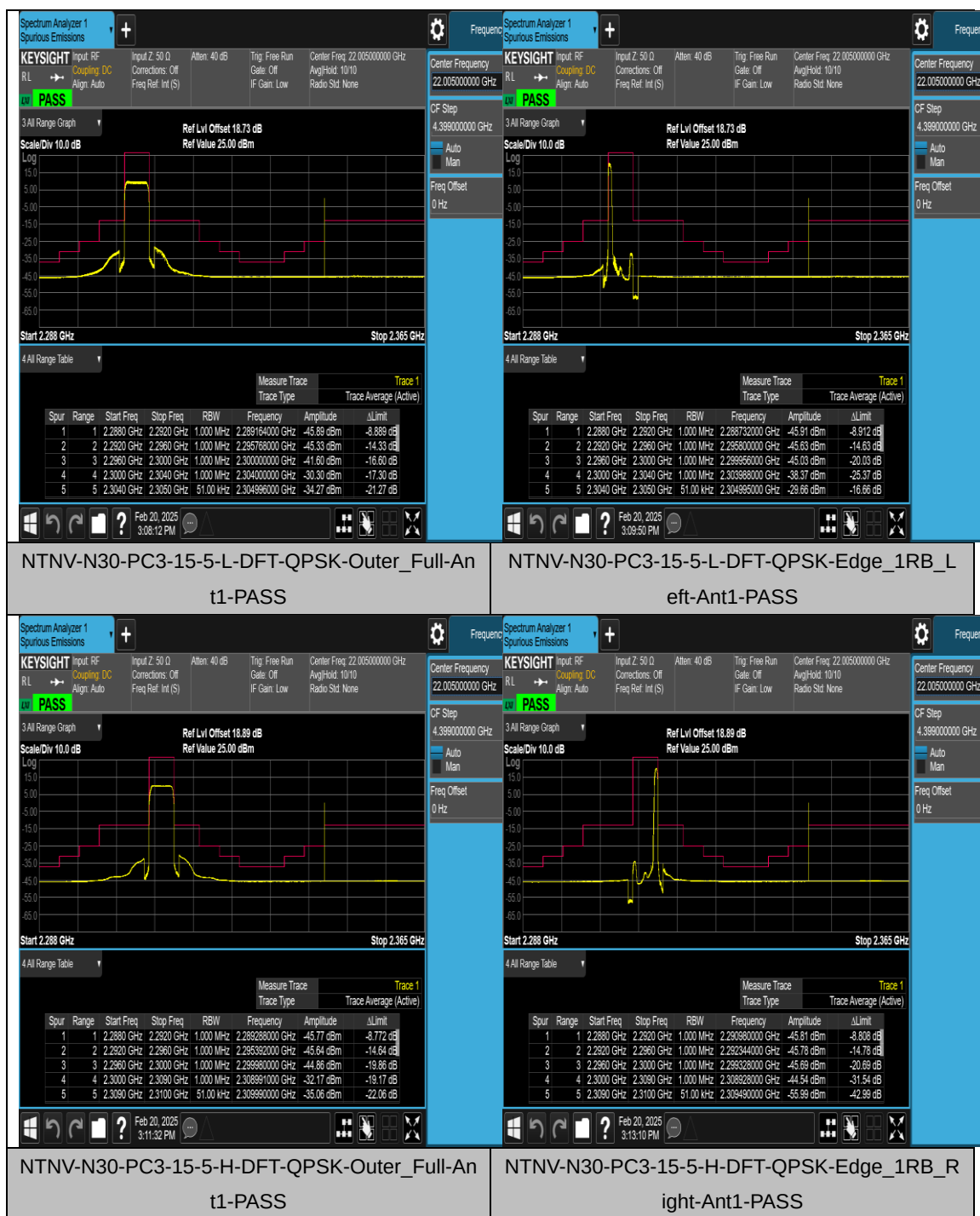


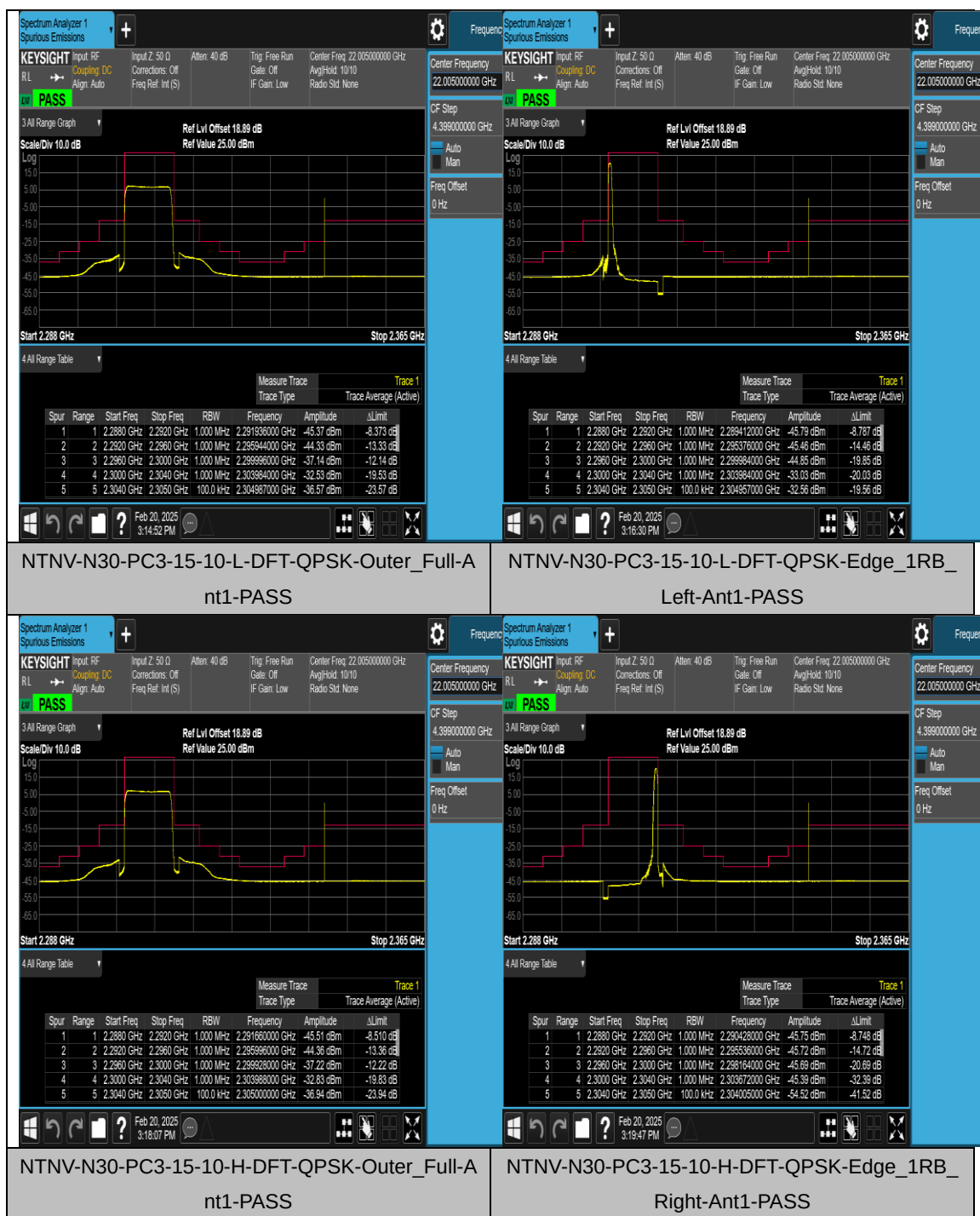
Appendix D: Band Edge for SA

Test Result

Band	SCS	Bandwidth	Modulation	Channel	RB Config	Result	Margin	Verdict
N30	15	5	DFT-QPSK	L	Outer_Full	-45.65	8.65	PASS
N30	15	5	DFT-QPSK	L	Edge_1RB_Left	-45.66	8.66	PASS
N30	15	5	DFT-QPSK	H	Outer_Full	-45.47	8.47	PASS
N30	15	5	DFT-QPSK	H	Edge_1RB_Right	-45.52	8.52	PASS
N30	15	10	DFT-QPSK	L	Outer_Full	-45.02	8.02	PASS
N30	15	10	DFT-QPSK	L	Edge_1RB_Left	-45.46	8.46	PASS
N30	15	10	DFT-QPSK	H	Outer_Full	-45.08	8.08	PASS
N30	15	10	DFT-QPSK	H	Edge_1RB_Right	-45.47	8.47	PASS

Test Graphs





Appendix E: Conducted Spurious Emission for SA

Test Result

Band	SCS	Bandwidth	Modulation	Channel	RB Config	StartFreq	StopFreq	Result	Limit	Verdict
N30	15	5	DFT-QPSK	L	Outer_Full	0.009	0.15	-76.22	-70	PASS
N30	15	5	DFT-QPSK	L	Outer_Full	0.15	30	-72.42	-60	PASS
N30	15	5	DFT-QPSK	L	Outer_Full	30	1000	-65.39	-50	PASS
N30	15	5	DFT-QPSK	L	Outer_Full	1000	3000	-47.68	-40	PASS
N30	15	5	DFT-QPSK	L	Outer_Full	3000	12000	-55.86	-40	PASS
N30	15	5	DFT-QPSK	L	Outer_Full	12000	20000	-57.63	-40	PASS
N30	15	5	DFT-QPSK	L	Edge_1RB_Left	0.009	0.15	-75.87	-70	PASS
N30	15	5	DFT-QPSK	L	Edge_1RB_Left	0.15	30	-71.23	-60	PASS
N30	15	5	DFT-QPSK	L	Edge_1RB_Left	30	1000	-65.29	-50	PASS
N30	15	5	DFT-QPSK	L	Edge_1RB_Left	1000	3000	-50.02	-40	PASS
N30	15	5	DFT-QPSK	L	Edge_1RB_Left	3000	12000	-55.91	-40	PASS
N30	15	5	DFT-QPSK	L	Edge_1RB_Left	12000	20000	-57.60	-40	PASS
N30	15	5	DFT-QPSK	L	Edge_1RB_Right	0.009	0.15	-74.63	-70	PASS
N30	15	5	DFT-QPSK	L	Edge_1RB_Right	0.15	30	-69.36	-60	PASS
N30	15	5	DFT-QPSK	L	Edge_1RB_Right	30	1000	-65.17	-50	PASS
N30	15	5	DFT-QPSK	L	Edge_1RB_Right	1000	3000	-49.43	-40	PASS
N30	15	5	DFT-QPSK	L	Edge_1RB_Right	3000	12000	-55.83	-40	PASS
N30	15	5	DFT-QPSK	L	Edge_1RB_Right	12000	20000	-57.51	-40	PASS
N30	15	5	DFT-QPSK	M	Outer_Full	0.009	0.15	-76.50	-70	PASS
N30	15	5	DFT-QPSK	M	Outer_Full	0.15	30	-72.76	-60	PASS
N30	15	5	DFT-QPSK	M	Outer_Full	30	1000	-65.58	-50	PASS
N30	15	5	DFT-QPSK	M	Outer_Full	1000	3000	-46.79	-40	PASS
N30	15	5	DFT-QPSK	M	Outer_Full	3000	12000	-56.00	-40	PASS
N30	15	5	DFT-QPSK	M	Outer_Full	12000	20000	-57.62	-40	PASS
N30	15	5	DFT-QPSK	M	Edge_1RB_Left	0.009	0.15	-73.67	-70	PASS
N30	15	5	DFT-QPSK	M	Edge_1RB_Left	0.15	30	-72.18	-60	PASS
N30	15	5	DFT-QPSK	M	Edge_1RB_Left	30	1000	-65.40	-50	PASS
N30	15	5	DFT-QPSK	M	Edge_1RB_Left	1000	3000	-49.66	-40	PASS
N30	15	5	DFT-QPSK	M	Edge_1RB_Left	3000	12000	-55.91	-40	PASS
N30	15	5	DFT-QPSK	M	Edge_1RB_Left	12000	20000	-57.63	-40	PASS
N30	15	5	DFT-QPSK	M	Edge_1RB_Right	0.009	0.15	-74.72	-70	PASS
N30	15	5	DFT-QPSK	M	Edge_1RB_Right	0.15	30	-68.93	-60	PASS
N30	15	5	DFT-QPSK	M	Edge_1RB_Right	30	1000	-65.35	-50	PASS
N30	15	5	DFT-QPSK	M	Edge_1RB_Right	1000	3000	-49.87	-40	PASS
N30	15	5	DFT-QPSK	M	Edge_1RB_Right	3000	12000	-55.98	-40	PASS

N30	15	5	DFT-QPSK	M	Edge_1RB_Right	12000	20000	-57.72	-40	PASS
N30	15	5	DFT-QPSK	H	Outer_Full	0.009	0.15	-75.60	-70	PASS
N30	15	5	DFT-QPSK	H	Outer_Full	0.15	30	-68.80	-60	PASS
N30	15	5	DFT-QPSK	H	Outer_Full	30	1000	-64.93	-50	PASS
N30	15	5	DFT-QPSK	H	Outer_Full	1000	3000	-49.83	-40	PASS
N30	15	5	DFT-QPSK	H	Outer_Full	3000	12000	-55.85	-40	PASS
N30	15	5	DFT-QPSK	H	Outer_Full	12000	20000	-57.55	-40	PASS
N30	15	5	DFT-QPSK	H	Edge_1RB_Left	0.009	0.15	-73.81	-70	PASS
N30	15	5	DFT-QPSK	H	Edge_1RB_Left	0.15	30	-71.09	-60	PASS
N30	15	5	DFT-QPSK	H	Edge_1RB_Left	30	1000	-65.10	-50	PASS
N30	15	5	DFT-QPSK	H	Edge_1RB_Left	1000	3000	-49.84	-40	PASS
N30	15	5	DFT-QPSK	H	Edge_1RB_Left	3000	12000	-56.00	-40	PASS
N30	15	5	DFT-QPSK	H	Edge_1RB_Left	12000	20000	-57.56	-40	PASS
N30	15	5	DFT-QPSK	H	Edge_1RB_Right	0.009	0.15	-74.77	-70	PASS
N30	15	5	DFT-QPSK	H	Edge_1RB_Right	0.15	30	-73.65	-60	PASS
N30	15	5	DFT-QPSK	H	Edge_1RB_Right	30	1000	-65.49	-50	PASS
N30	15	5	DFT-QPSK	H	Edge_1RB_Right	1000	3000	-46.48	-40	PASS
N30	15	5	DFT-QPSK	H	Edge_1RB_Right	3000	12000	-56.00	-40	PASS
N30	15	5	DFT-QPSK	H	Edge_1RB_Right	12000	20000	-57.49	-40	PASS
N30	15	10	DFT-QPSK	M	Outer_Full	0.009	0.15	-76.80	-70	PASS
N30	15	10	DFT-QPSK	M	Outer_Full	0.15	30	-70.53	-60	PASS
N30	15	10	DFT-QPSK	M	Outer_Full	30	1000	-65.37	-50	PASS
N30	15	10	DFT-QPSK	M	Outer_Full	1000	3000	-49.41	-40	PASS
N30	15	10	DFT-QPSK	M	Outer_Full	3000	12000	-55.94	-40	PASS
N30	15	10	DFT-QPSK	M	Outer_Full	12000	20000	-57.68	-40	PASS
N30	15	10	DFT-QPSK	M	Edge_1RB_Left	0.009	0.15	-73.17	-70	PASS
N30	15	10	DFT-QPSK	M	Edge_1RB_Left	0.15	30	-73.35	-60	PASS
N30	15	10	DFT-QPSK	M	Edge_1RB_Left	30	1000	-65.33	-50	PASS
N30	15	10	DFT-QPSK	M	Edge_1RB_Left	1000	3000	-49.93	-40	PASS
N30	15	10	DFT-QPSK	M	Edge_1RB_Left	3000	12000	-55.89	-40	PASS
N30	15	10	DFT-QPSK	M	Edge_1RB_Left	12000	20000	-57.65	-40	PASS
N30	15	10	DFT-QPSK	M	Edge_1RB_Right	0.009	0.15	-72.34	-70	PASS
N30	15	10	DFT-QPSK	M	Edge_1RB_Right	0.15	30	-69.97	-60	PASS
N30	15	10	DFT-QPSK	M	Edge_1RB_Right	30	1000	-65.31	-50	PASS
N30	15	10	DFT-QPSK	M	Edge_1RB_Right	1000	3000	-49.84	-40	PASS
N30	15	10	DFT-QPSK	M	Edge_1RB_Right	3000	12000	-55.73	-40	PASS
N30	15	10	DFT-QPSK	M	Edge_1RB_Right	12000	20000	-57.35	-40	PASS

Test Graphs

