

Appendix for N71

Product Name: 5G CPE

Model No: S3

Appendix A: Average Power Output for SA

Test Result

Band	SCS	Bandwidth	Modulation	Channel	RB Config	Power (dBm)	Power Class	Verdict
N71	15	5	CP-QPSK	L	Outer_Full	22.83	PC3	PASS
N71	15	5	CP-QPSK	L	Edge_1RB_Left	22.39	PC3	PASS
N71	15	5	CP-QPSK	L	Inner_Full	23.93	PC3	PASS
N71	15	5	CP-QPSK	L	Edge_1RB_Right	22.53	PC3	PASS
N71	15	5	CP-16QAM	L	Outer_Full	22.69	PC3	PASS
N71	15	5	CP-16QAM	L	Edge_1RB_Left	22.28	PC3	PASS
N71	15	5	CP-16QAM	L	Inner_Full	23.39	PC3	PASS
N71	15	5	CP-16QAM	L	Edge_1RB_Right	22.58	PC3	PASS
N71	15	5	CP-QPSK	M	Outer_Full	22.03	PC3	PASS
N71	15	5	CP-QPSK	M	Edge_1RB_Left	22.27	PC3	PASS
N71	15	5	CP-QPSK	M	Inner_Full	23.66	PC3	PASS
N71	15	5	CP-QPSK	M	Edge_1RB_Right	22.01	PC3	PASS
N71	15	5	CP-16QAM	M	Outer_Full	22.14	PC3	PASS
N71	15	5	CP-16QAM	M	Edge_1RB_Left	22.19	PC3	PASS
N71	15	5	CP-16QAM	M	Inner_Full	23.17	PC3	PASS
N71	15	5	CP-16QAM	M	Edge_1RB_Right	22.53	PC3	PASS
N71	15	5	CP-QPSK	H	Outer_Full	21.75	PC3	PASS
N71	15	5	CP-QPSK	H	Edge_1RB_Left	22.02	PC3	PASS
N71	15	5	CP-QPSK	H	Inner_Full	23.17	PC3	PASS
N71	15	5	CP-QPSK	H	Edge_1RB_Right	21.46	PC3	PASS
N71	15	5	CP-16QAM	H	Outer_Full	21.69	PC3	PASS
N71	15	5	CP-16QAM	H	Edge_1RB_Left	21.77	PC3	PASS
N71	15	5	CP-16QAM	H	Inner_Full	22.73	PC3	PASS
N71	15	5	CP-16QAM	H	Edge_1RB_Right	21.88	PC3	PASS
N71	15	10	CP-QPSK	L	Outer_Full	22.53	PC3	PASS
N71	15	10	CP-QPSK	L	Edge_1RB_Left	22.51	PC3	PASS
N71	15	10	CP-QPSK	L	Inner_Full	24.02	PC3	PASS
N71	15	10	CP-QPSK	L	Edge_1RB_Right	22.21	PC3	PASS
N71	15	10	CP-16QAM	L	Outer_Full	22.39	PC3	PASS
N71	15	10	CP-16QAM	L	Edge_1RB_Left	22.43	PC3	PASS
N71	15	10	CP-16QAM	L	Inner_Full	23.51	PC3	PASS
N71	15	10	CP-16QAM	L	Edge_1RB_Right	22.58	PC3	PASS
N71	15	10	CP-QPSK	M	Outer_Full	22.19	PC3	PASS
N71	15	10	CP-QPSK	M	Edge_1RB_Left	22.29	PC3	PASS
N71	15	10	CP-QPSK	M	Inner_Full	23.78	PC3	PASS

N71	15	10	CP-QPSK	M	Edge_1RB_Right	22.31	PC3	PASS
N71	15	10	CP-16QAM	M	Outer_Full	22.25	PC3	PASS
N71	15	10	CP-16QAM	M	Edge_1RB_Left	21.75	PC3	PASS
N71	15	10	CP-16QAM	M	Inner_Full	23.26	PC3	PASS
N71	15	10	CP-16QAM	M	Edge_1RB_Right	22.06	PC3	PASS
N71	15	10	CP-QPSK	H	Outer_Full	21.98	PC3	PASS
N71	15	10	CP-QPSK	H	Edge_1RB_Left	22.16	PC3	PASS
N71	15	10	CP-QPSK	H	Inner_Full	23.43	PC3	PASS
N71	15	10	CP-QPSK	H	Edge_1RB_Right	21.78	PC3	PASS
N71	15	10	CP-16QAM	H	Outer_Full	21.96	PC3	PASS
N71	15	10	CP-16QAM	H	Edge_1RB_Left	22.14	PC3	PASS
N71	15	10	CP-16QAM	H	Inner_Full	22.99	PC3	PASS
N71	15	10	CP-16QAM	H	Edge_1RB_Right	21.04	PC3	PASS
N71	15	15	CP-QPSK	L	Outer_Full	22.34	PC3	PASS
N71	15	15	CP-QPSK	L	Edge_1RB_Left	22.60	PC3	PASS
N71	15	15	CP-QPSK	L	Inner_Full	23.84	PC3	PASS
N71	15	15	CP-QPSK	L	Edge_1RB_Right	22.14	PC3	PASS
N71	15	15	CP-16QAM	L	Outer_Full	22.31	PC3	PASS
N71	15	15	CP-16QAM	L	Edge_1RB_Left	22.47	PC3	PASS
N71	15	15	CP-16QAM	L	Inner_Full	23.42	PC3	PASS
N71	15	15	CP-16QAM	L	Edge_1RB_Right	22.30	PC3	PASS
N71	15	15	CP-QPSK	M	Outer_Full	22.17	PC3	PASS
N71	15	15	CP-QPSK	M	Edge_1RB_Left	22.20	PC3	PASS
N71	15	15	CP-QPSK	M	Inner_Full	23.73	PC3	PASS
N71	15	15	CP-QPSK	M	Edge_1RB_Right	21.85	PC3	PASS
N71	15	15	CP-16QAM	M	Outer_Full	22.16	PC3	PASS
N71	15	15	CP-16QAM	M	Edge_1RB_Left	22.09	PC3	PASS
N71	15	15	CP-16QAM	M	Inner_Full	23.20	PC3	PASS
N71	15	15	CP-16QAM	M	Edge_1RB_Right	22.17	PC3	PASS
N71	15	15	CP-QPSK	H	Outer_Full	22.11	PC3	PASS
N71	15	15	CP-QPSK	H	Edge_1RB_Left	22.23	PC3	PASS
N71	15	15	CP-QPSK	H	Inner_Full	23.55	PC3	PASS
N71	15	15	CP-QPSK	H	Edge_1RB_Right	21.65	PC3	PASS
N71	15	15	CP-16QAM	H	Outer_Full	22.16	PC3	PASS
N71	15	15	CP-16QAM	H	Edge_1RB_Left	22.49	PC3	PASS
N71	15	15	CP-16QAM	H	Inner_Full	23.13	PC3	PASS
N71	15	15	CP-16QAM	H	Edge_1RB_Right	21.55	PC3	PASS
N71	15	20	CP-QPSK	L	Outer_Full	22.30	PC3	PASS
N71	15	20	CP-QPSK	L	Edge_1RB_Left	22.72	PC3	PASS
N71	15	20	CP-QPSK	L	Inner_Full	23.73	PC3	PASS
N71	15	20	CP-QPSK	L	Edge_1RB_Right	22.35	PC3	PASS
N71	15	20	CP-16QAM	L	Outer_Full	22.14	PC3	PASS

N71	15	20	CP-16QAM	L	Edge_1RB_Left	22.97	PC3	PASS
N71	15	20	CP-16QAM	L	Inner_Full	23.12	PC3	PASS
N71	15	20	CP-16QAM	L	Edge_1RB_Right	21.81	PC3	PASS
N71	15	20	CP-QPSK	M	Outer_Full	22.18	PC3	PASS
N71	15	20	CP-QPSK	M	Edge_1RB_Left	22.35	PC3	PASS
N71	15	20	CP-QPSK	M	Inner_Full	23.74	PC3	PASS
N71	15	20	CP-QPSK	M	Edge_1RB_Right	22.16	PC3	PASS
N71	15	20	CP-16QAM	M	Outer_Full	22.23	PC3	PASS
N71	15	20	CP-16QAM	M	Edge_1RB_Left	22.57	PC3	PASS
N71	15	20	CP-16QAM	M	Inner_Full	23.15	PC3	PASS
N71	15	20	CP-16QAM	M	Edge_1RB_Right	22.06	PC3	PASS
N71	15	20	CP-QPSK	H	Outer_Full	22.04	PC3	PASS
N71	15	20	CP-QPSK	H	Edge_1RB_Left	22.14	PC3	PASS
N71	15	20	CP-QPSK	H	Inner_Full	23.57	PC3	PASS
N71	15	20	CP-QPSK	H	Edge_1RB_Right	21.38	PC3	PASS
N71	15	20	CP-16QAM	H	Outer_Full	21.96	PC3	PASS
N71	15	20	CP-16QAM	H	Edge_1RB_Left	22.01	PC3	PASS
N71	15	20	CP-16QAM	H	Inner_Full	23.16	PC3	PASS
N71	15	20	CP-16QAM	H	Edge_1RB_Right	21.66	PC3	PASS

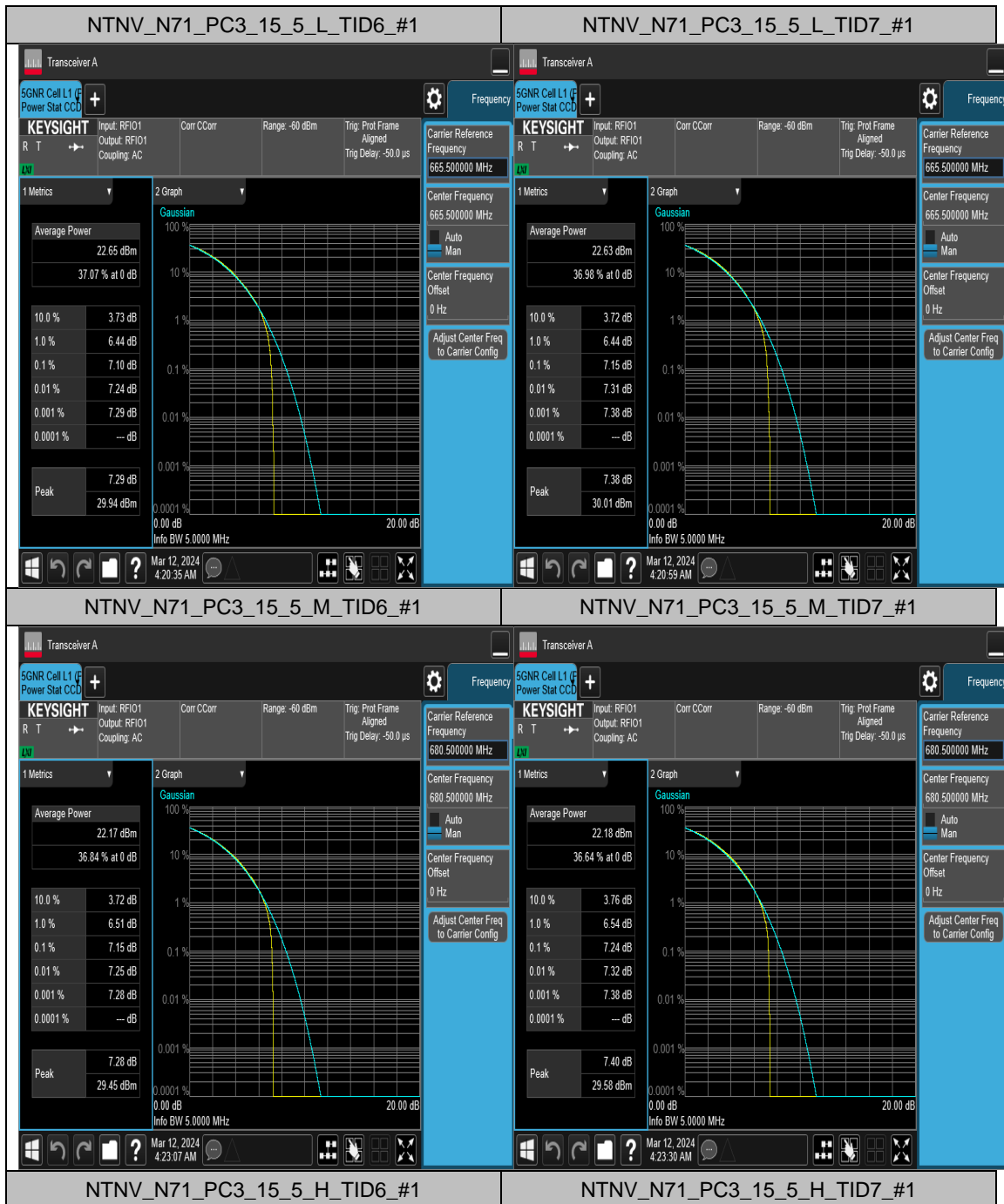
Appendix B: Peak-to-Average Ratio for SA

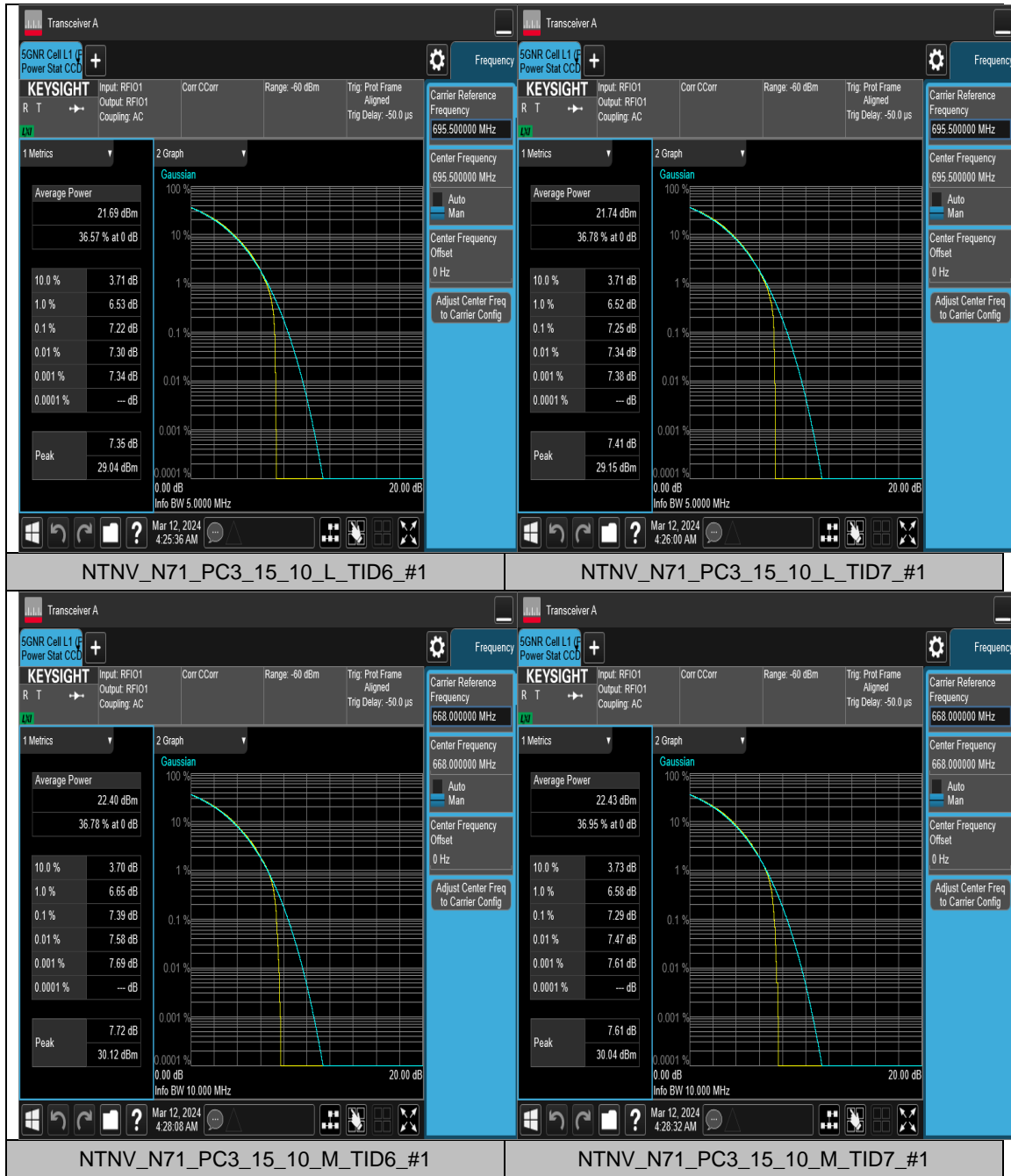
Peak-to-Average Ratio(CCDF)

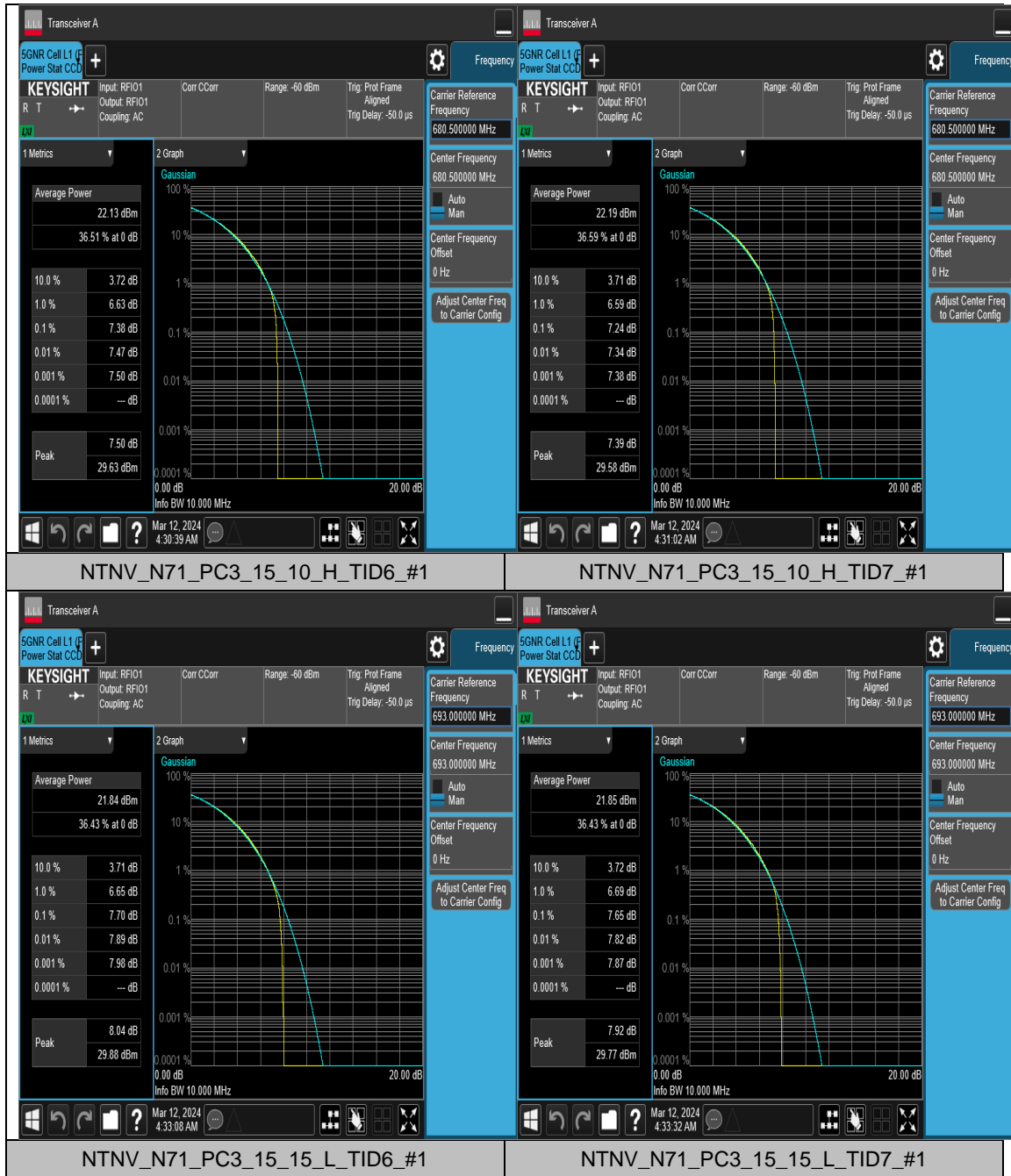
Test Result

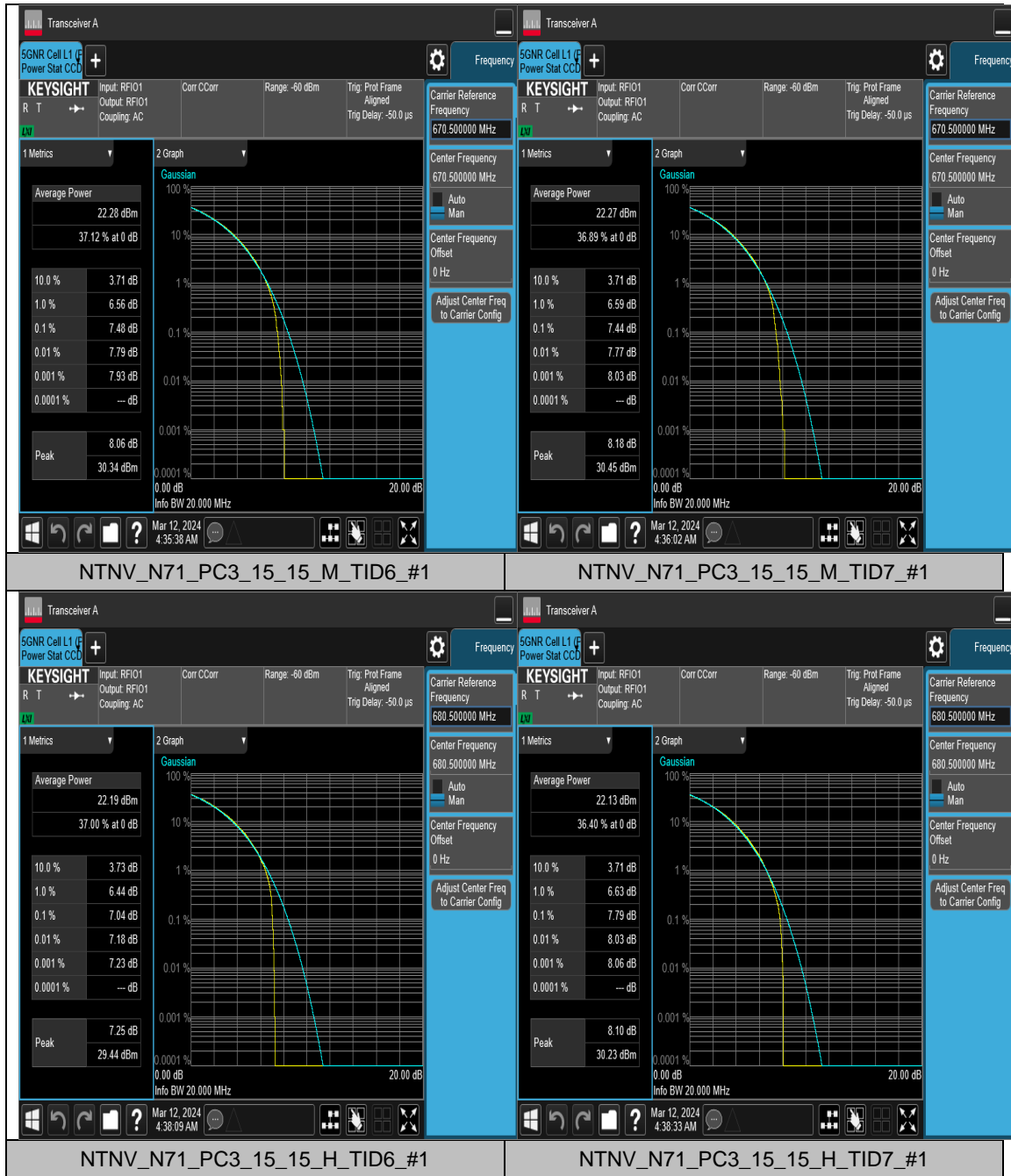
Band	SCS	Bandwidth	Modulation	Channel	RB Config	Result	Limit	Verdict
N71	15	5	CP-QPSK	L	Outer_Full	7.10	≤13	PASS
N71	15	5	CP-16QAM	L	Outer_Full	7.15	≤13	PASS
N71	15	5	CP-QPSK	M	Outer_Full	7.15	≤13	PASS
N71	15	5	CP-16QAM	M	Outer_Full	7.24	≤13	PASS
N71	15	5	CP-QPSK	H	Outer_Full	7.22	≤13	PASS
N71	15	5	CP-16QAM	H	Outer_Full	7.25	≤13	PASS
N71	15	10	CP-QPSK	L	Outer_Full	7.39	≤13	PASS
N71	15	10	CP-16QAM	L	Outer_Full	7.29	≤13	PASS
N71	15	10	CP-QPSK	M	Outer_Full	7.38	≤13	PASS
N71	15	10	CP-16QAM	M	Outer_Full	7.24	≤13	PASS
N71	15	10	CP-QPSK	H	Outer_Full	7.70	≤13	PASS
N71	15	10	CP-16QAM	H	Outer_Full	7.65	≤13	PASS
N71	15	15	CP-QPSK	L	Outer_Full	7.48	≤13	PASS
N71	15	15	CP-16QAM	L	Outer_Full	7.44	≤13	PASS
N71	15	15	CP-QPSK	M	Outer_Full	7.04	≤13	PASS
N71	15	15	CP-16QAM	M	Outer_Full	7.79	≤13	PASS
N71	15	15	CP-QPSK	H	Outer_Full	7.82	≤13	PASS
N71	15	15	CP-16QAM	H	Outer_Full	7.77	≤13	PASS
N71	15	20	CP-QPSK	L	Outer_Full	7.57	≤13	PASS
N71	15	20	CP-16QAM	L	Outer_Full	7.64	≤13	PASS
N71	15	20	CP-QPSK	M	Outer_Full	7.51	≤13	PASS
N71	15	20	CP-16QAM	M	Outer_Full	7.51	≤13	PASS
N71	15	20	CP-QPSK	H	Outer_Full	7.67	≤13	PASS
N71	15	20	CP-16QAM	H	Outer_Full	7.61	≤13	PASS

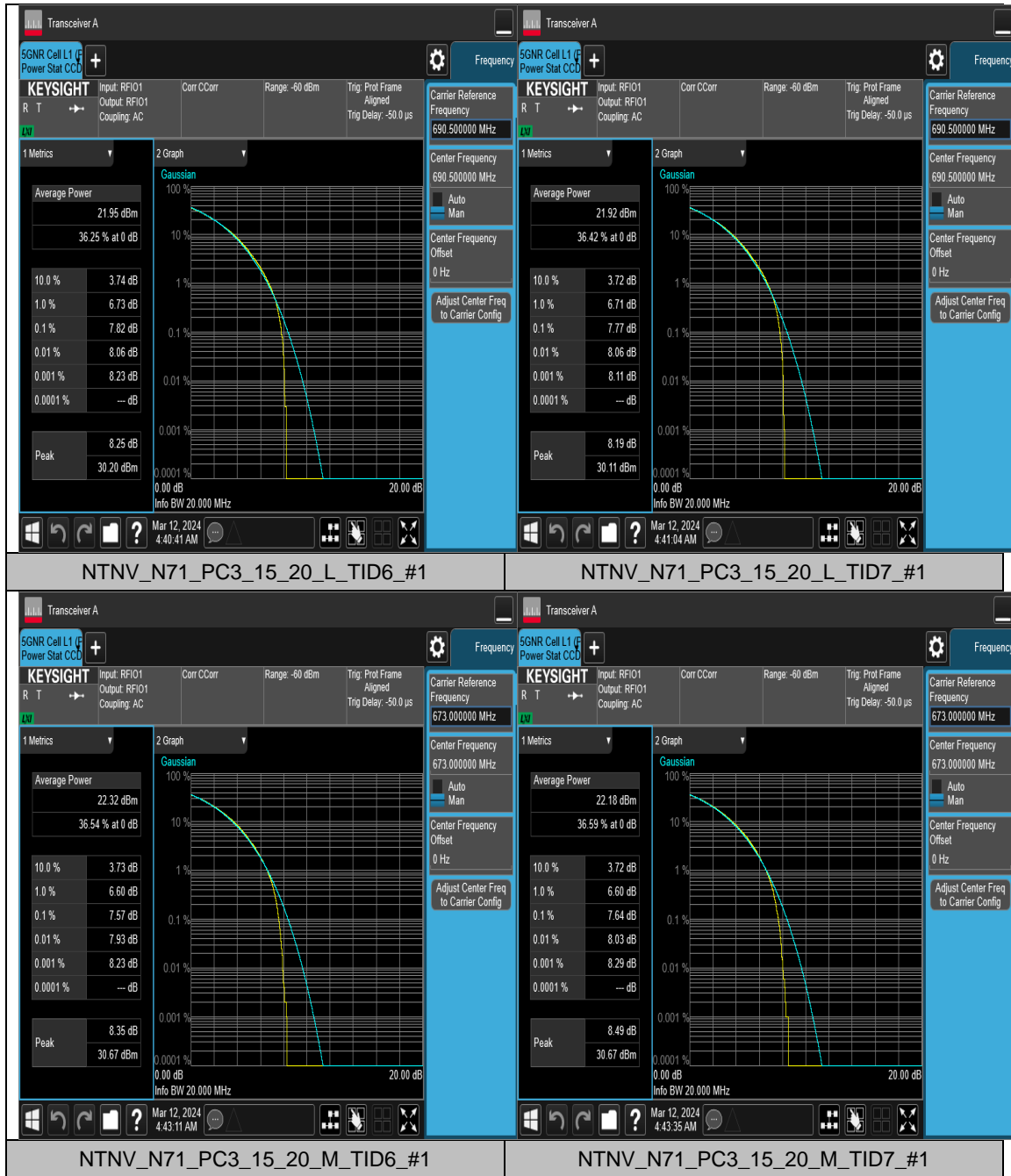
Test Graphs

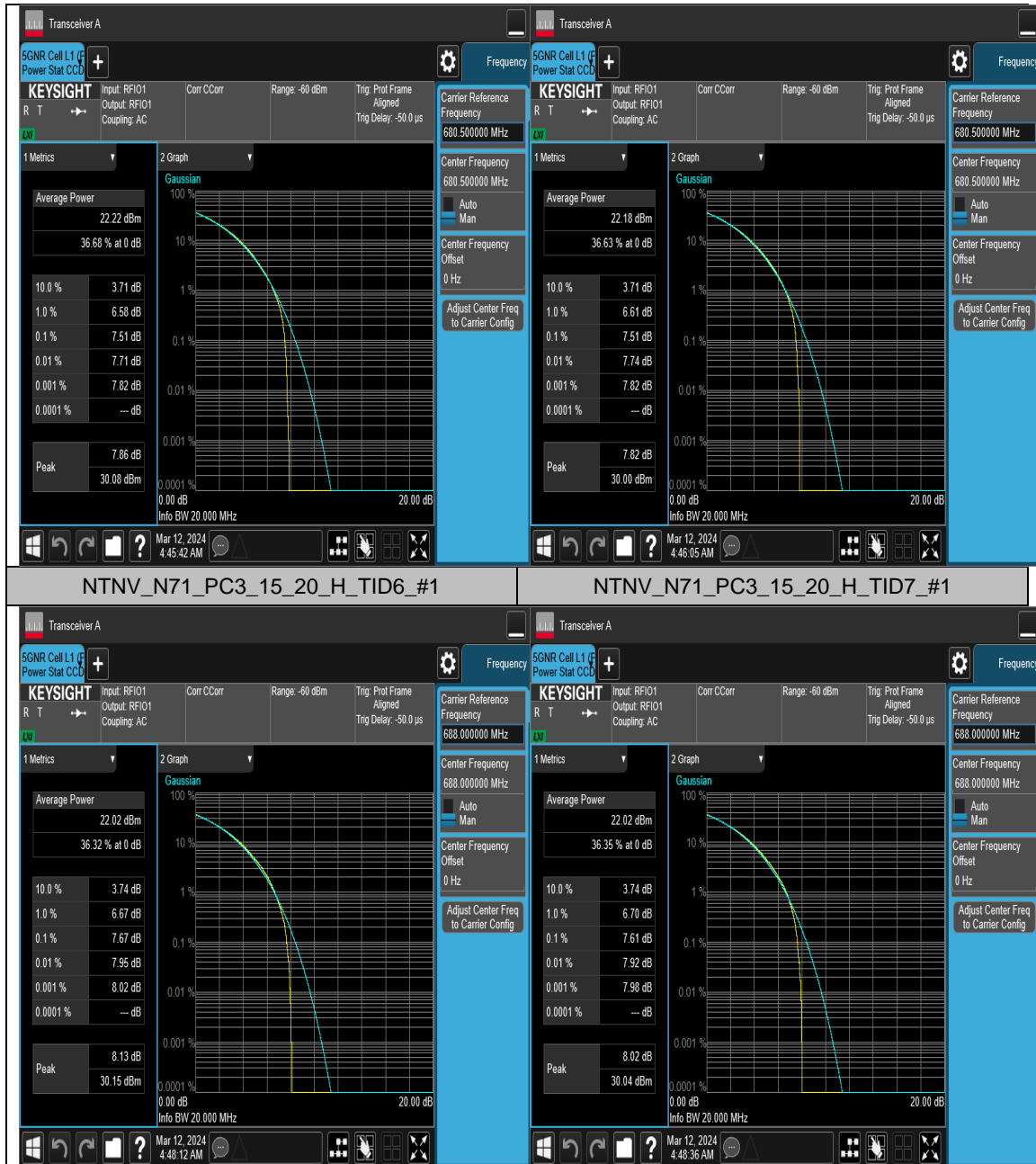










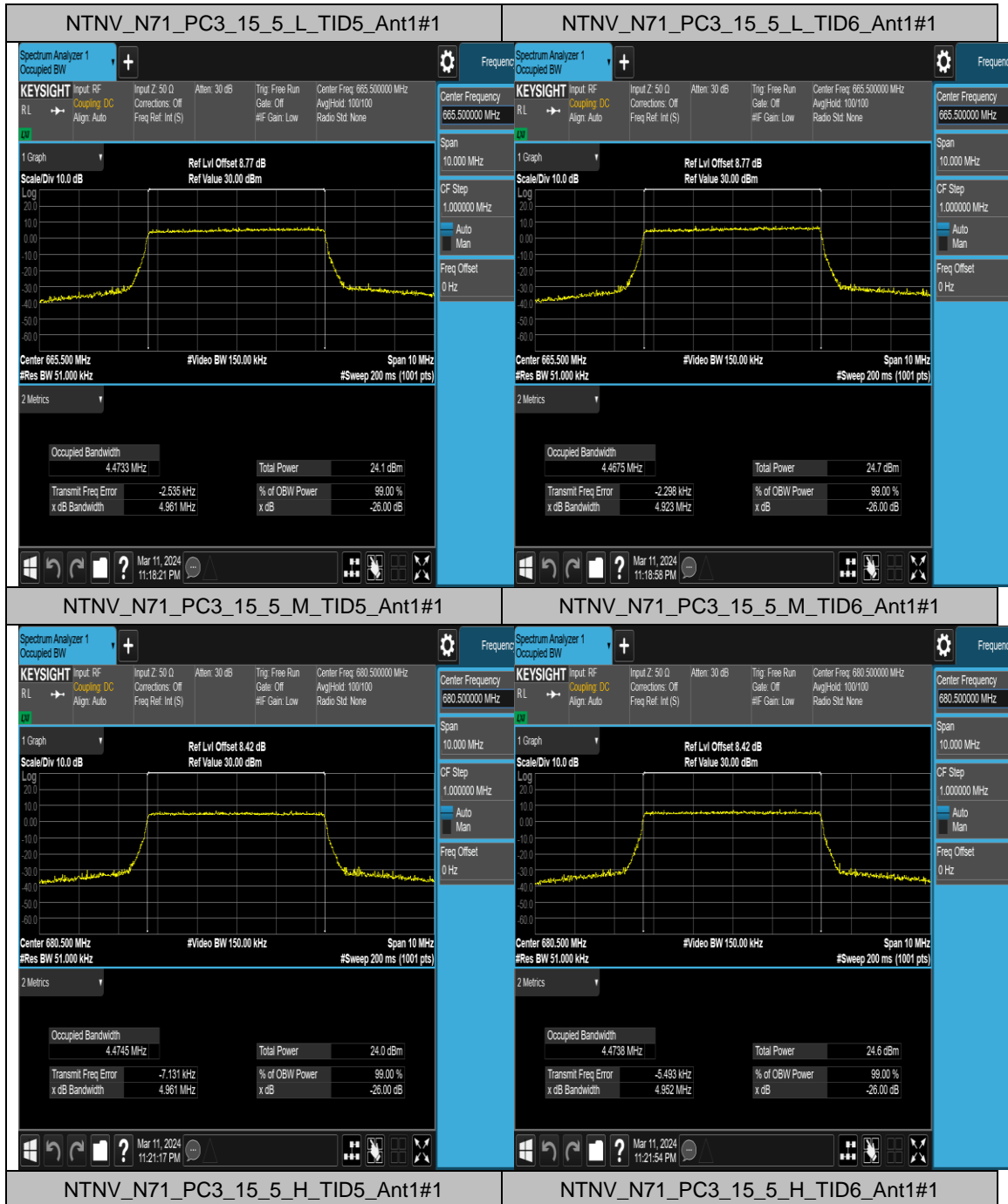


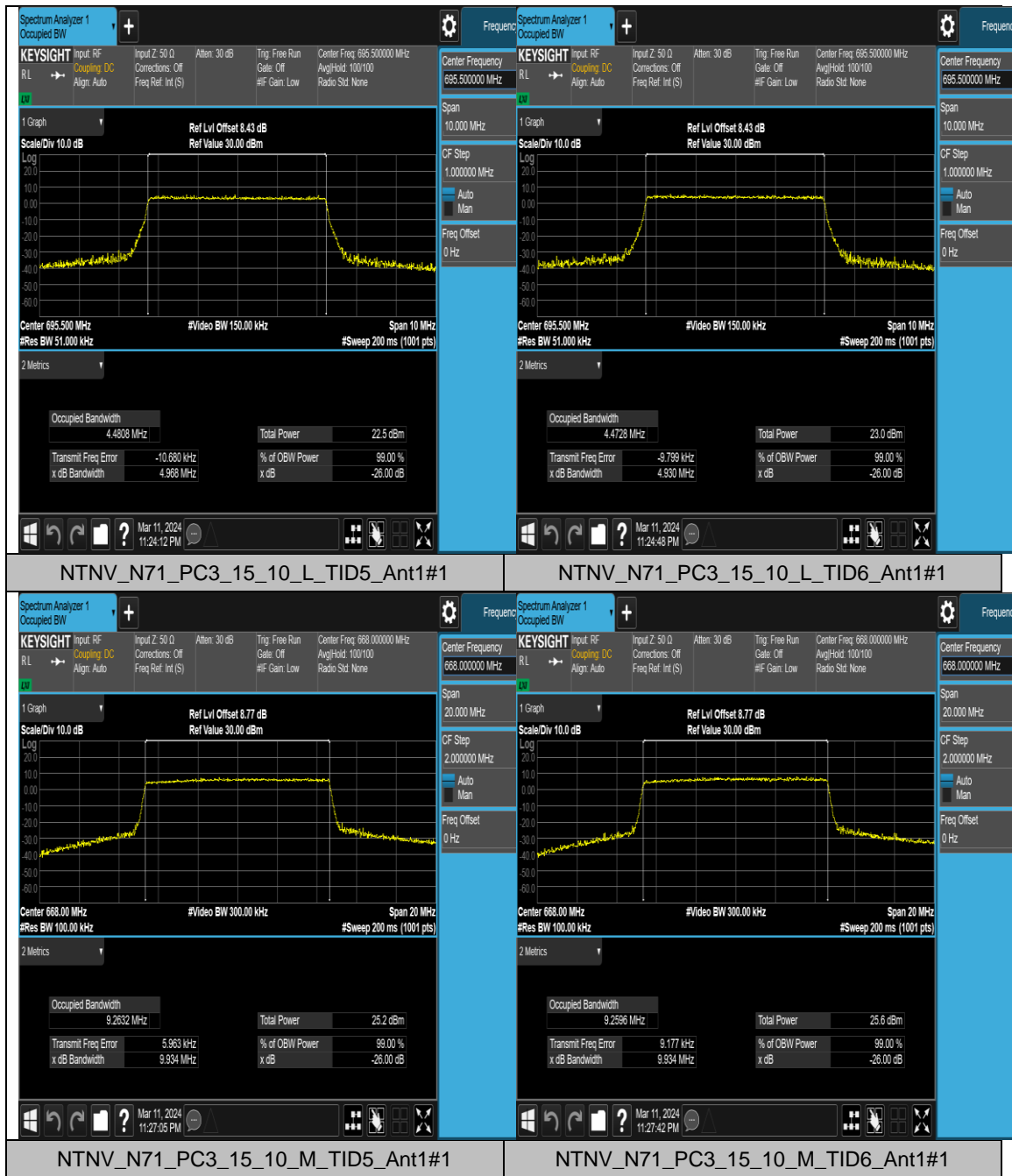
Appendix C: 26dB Bandwidth and Occupied Bandwidth for SA

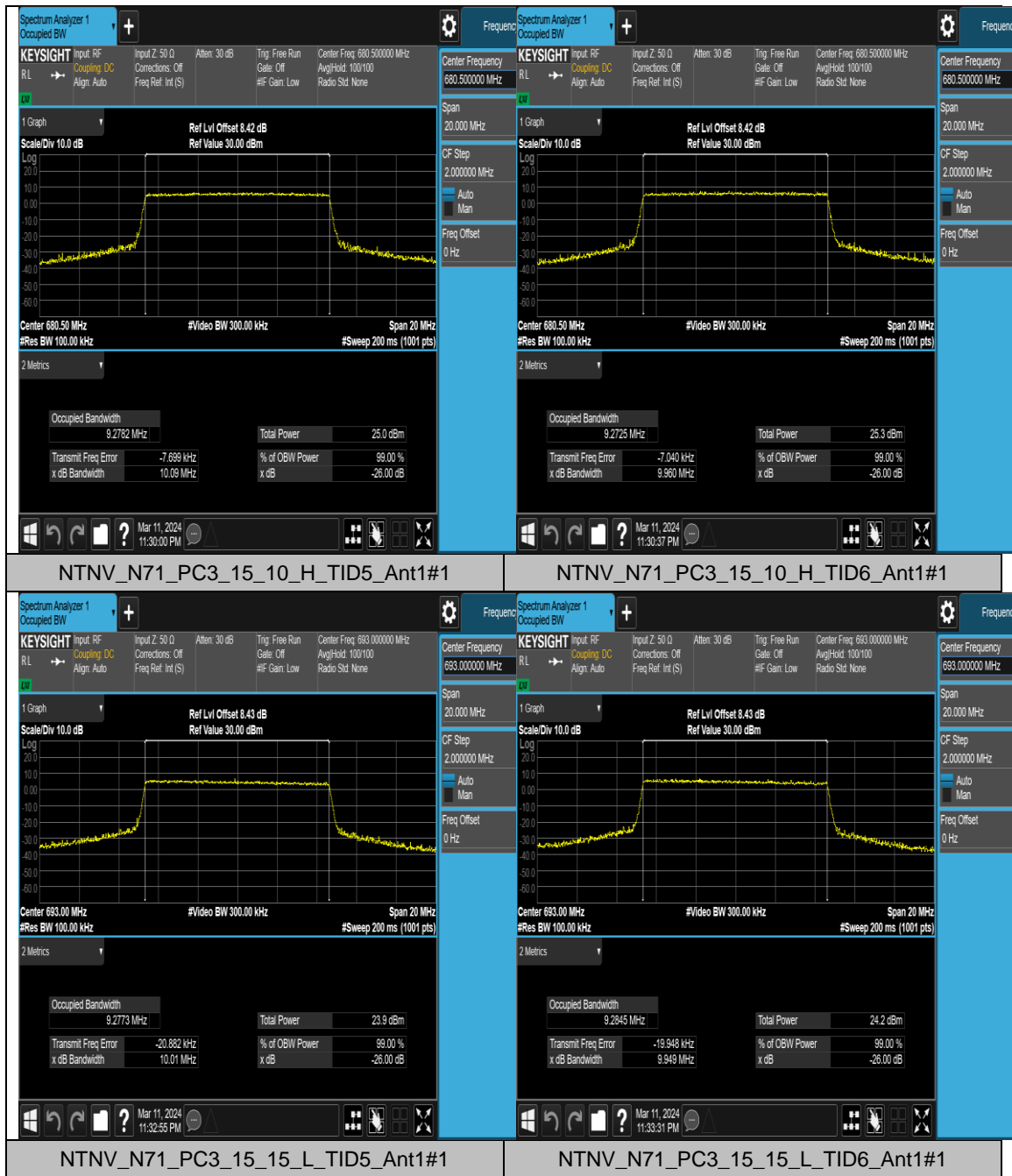
Test Result

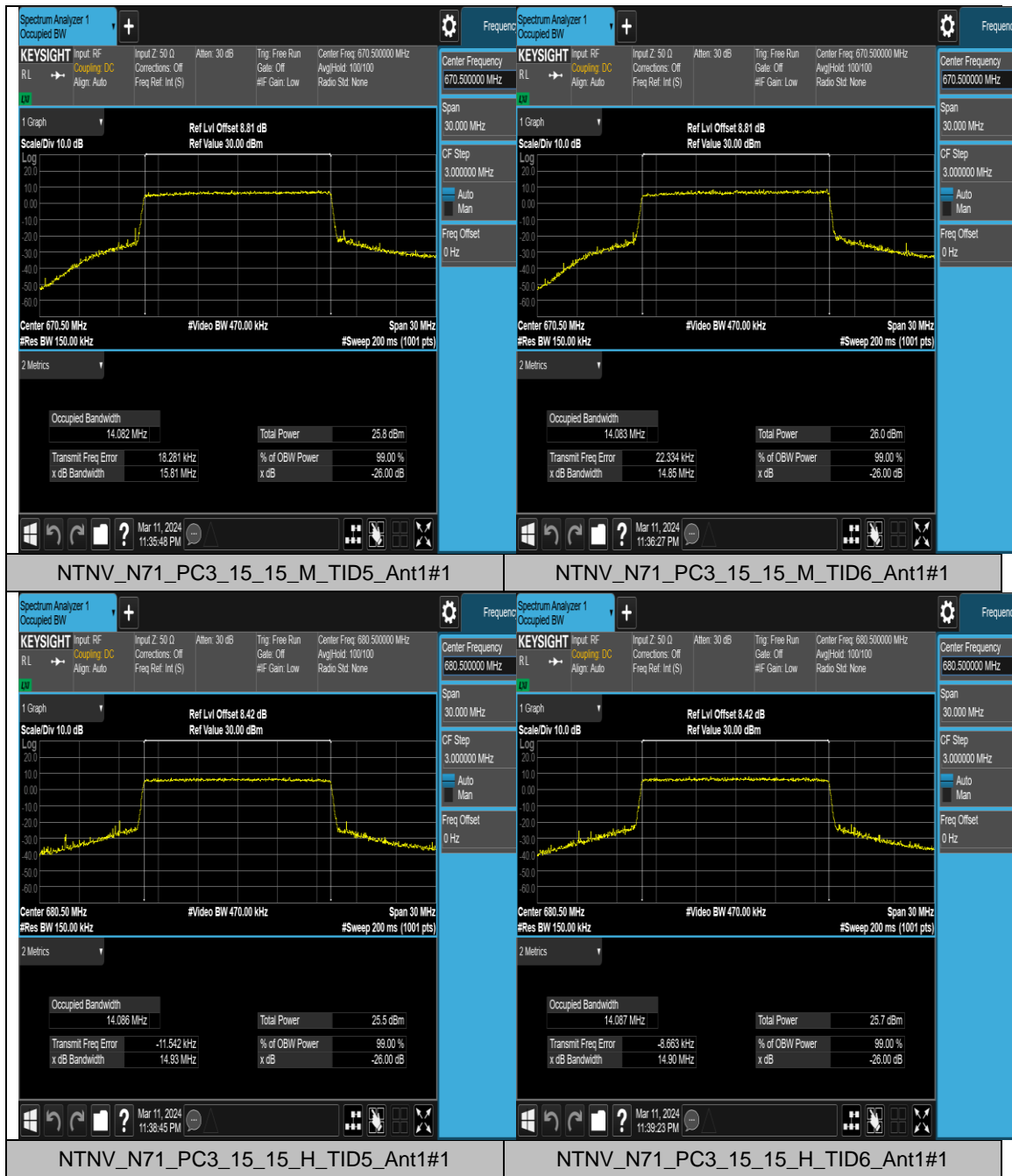
Band	SCS	Bandwidth	Modulation	Channel	RB Config	Result (99%)	Result (26dB)	Verdict
N71	15	5	CP-QPSK	L	Outer_Full	4.4733	4.961	PASS
N71	15	5	CP-16QAM	L	Outer_Full	4.4675	4.923	PASS
N71	15	5	CP-QPSK	M	Outer_Full	4.4745	4.961	PASS
N71	15	5	CP-16QAM	M	Outer_Full	4.4738	4.952	PASS
N71	15	5	CP-QPSK	H	Outer_Full	4.4808	4.968	PASS
N71	15	5	CP-16QAM	H	Outer_Full	4.4728	4.930	PASS
N71	15	10	CP-QPSK	L	Outer_Full	9.2632	9.934	PASS
N71	15	10	CP-16QAM	L	Outer_Full	9.2596	9.934	PASS
N71	15	10	CP-QPSK	M	Outer_Full	9.2782	10.09	PASS
N71	15	10	CP-16QAM	M	Outer_Full	9.2725	9.960	PASS
N71	15	10	CP-QPSK	H	Outer_Full	9.2773	10.01	PASS
N71	15	10	CP-16QAM	H	Outer_Full	9.2845	9.949	PASS
N71	15	15	CP-QPSK	L	Outer_Full	14.082	15.81	PASS
N71	15	15	CP-16QAM	L	Outer_Full	14.083	14.85	PASS
N71	15	15	CP-QPSK	M	Outer_Full	14.086	14.93	PASS
N71	15	15	CP-16QAM	M	Outer_Full	14.087	14.90	PASS
N71	15	15	CP-QPSK	H	Outer_Full	14.087	14.87	PASS
N71	15	15	CP-16QAM	H	Outer_Full	14.083	14.90	PASS
N71	15	20	CP-QPSK	L	Outer_Full	18.859	19.78	PASS
N71	15	20	CP-16QAM	L	Outer_Full	18.841	19.82	PASS
N71	15	20	CP-QPSK	M	Outer_Full	18.840	19.81	PASS
N71	15	20	CP-16QAM	M	Outer_Full	18.848	20.37	PASS
N71	15	20	CP-QPSK	H	Outer_Full	18.849	19.82	PASS
N71	15	20	CP-16QAM	H	Outer_Full	18.870	20.32	PASS

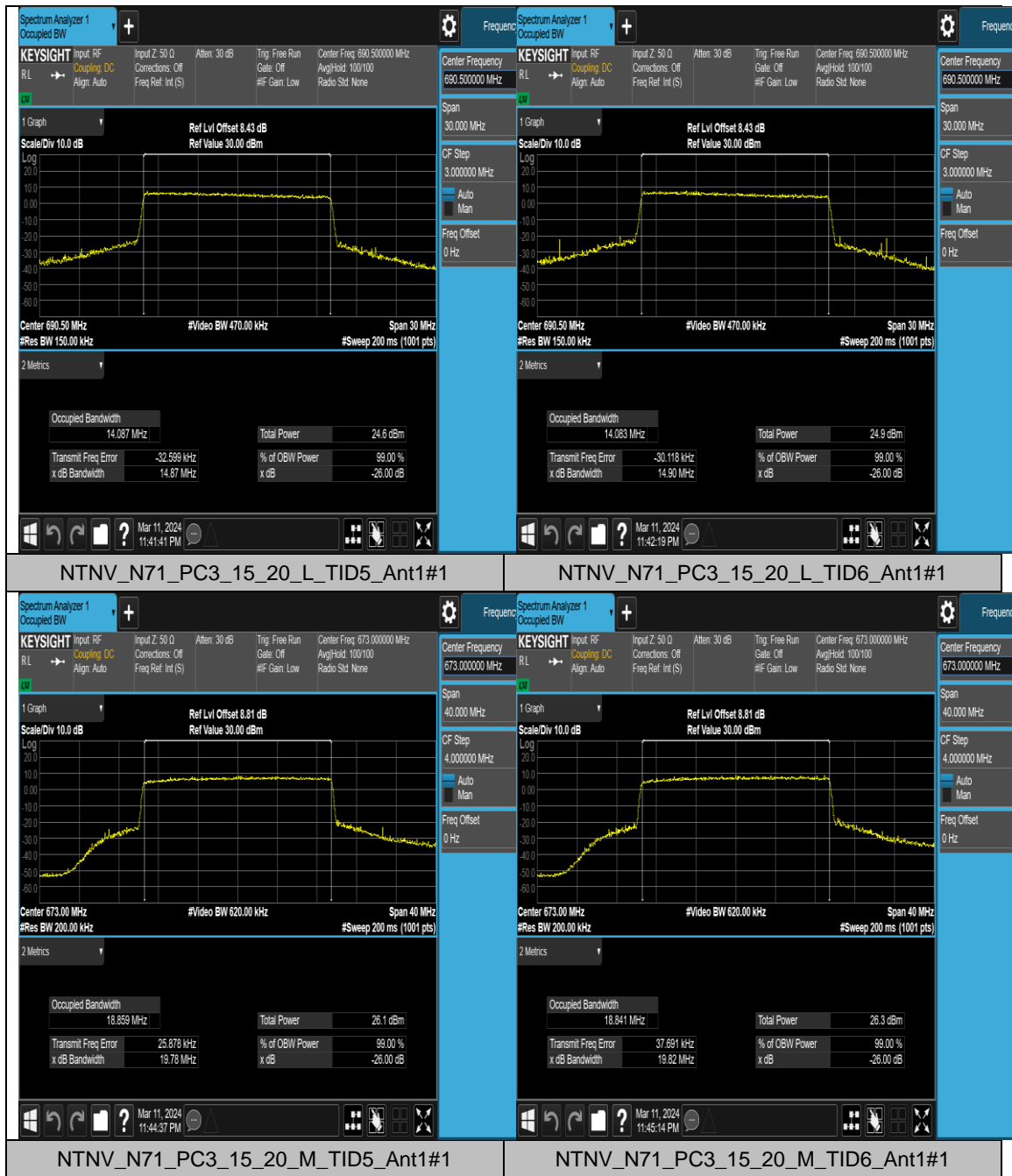
Test Graphs

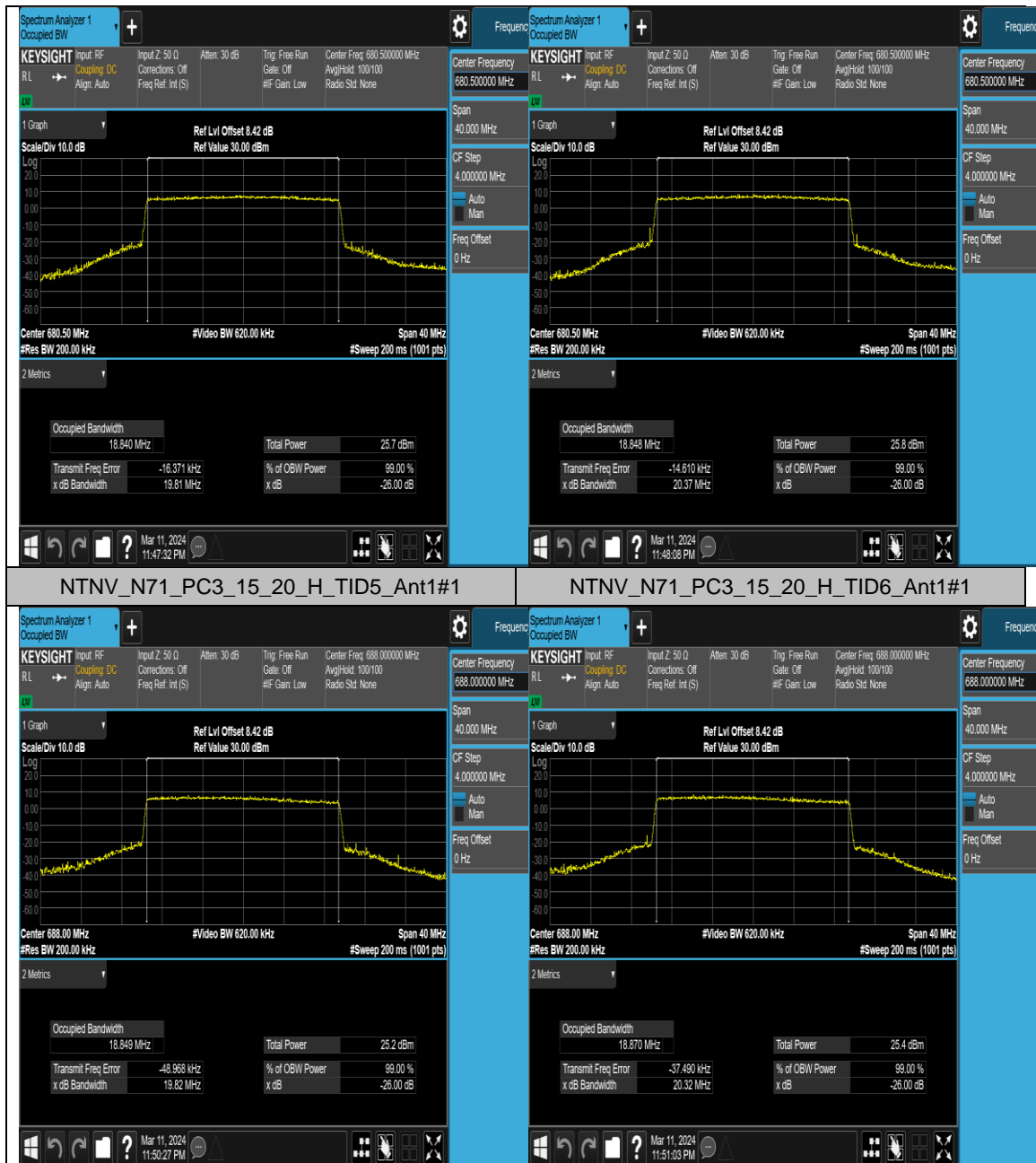












Appendix D: Band Edge for SA

Test Result

Band	SCS	Bandwidth	Modulation	Channel	RB Config	Verdict
N71	15	5	CP-QPSK	L	Outer_Full	PASS
N71	15	5	CP-QPSK	L	Edge_1RB_Left	PASS
N71	15	5	CP-16QAM	L	Outer_Full	PASS
N71	15	5	CP-16QAM	L	Edge_1RB_Left	PASS
N71	15	5	CP-QPSK	H	Outer_Full	PASS
N71	15	5	CP-QPSK	H	Edge_1RB_Right	PASS
N71	15	5	CP-16QAM	H	Outer_Full	PASS
N71	15	5	CP-16QAM	H	Edge_1RB_Right	PASS
N71	15	10	CP-QPSK	L	Outer_Full	PASS
N71	15	10	CP-QPSK	L	Edge_1RB_Left	PASS
N71	15	10	CP-16QAM	L	Outer_Full	PASS
N71	15	10	CP-16QAM	L	Edge_1RB_Left	PASS
N71	15	10	CP-QPSK	H	Outer_Full	PASS
N71	15	10	CP-QPSK	H	Edge_1RB_Right	PASS
N71	15	10	CP-16QAM	H	Outer_Full	PASS
N71	15	10	CP-16QAM	H	Edge_1RB_Right	PASS
N71	15	15	CP-QPSK	L	Outer_Full	PASS
N71	15	15	CP-QPSK	L	Edge_1RB_Left	PASS
N71	15	15	CP-16QAM	L	Outer_Full	PASS
N71	15	15	CP-16QAM	L	Edge_1RB_Left	PASS
N71	15	15	CP-QPSK	H	Outer_Full	PASS
N71	15	15	CP-QPSK	H	Edge_1RB_Right	PASS
N71	15	15	CP-16QAM	H	Outer_Full	PASS
N71	15	15	CP-16QAM	H	Edge_1RB_Right	PASS
N71	15	20	CP-QPSK	L	Outer_Full	PASS
N71	15	20	CP-QPSK	L	Edge_1RB_Left	PASS
N71	15	20	CP-16QAM	L	Outer_Full	PASS
N71	15	20	CP-16QAM	L	Edge_1RB_Left	PASS
N71	15	20	CP-QPSK	H	Outer_Full	PASS
N71	15	20	CP-QPSK	H	Edge_1RB_Right	PASS
N71	15	20	CP-16QAM	H	Outer_Full	PASS
N71	15	20	CP-16QAM	H	Edge_1RB_Right	PASS

Test Graphs

