

Appendix for n71

Product Name: 5G CPE
Model No: C150

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	21.64	PC3	PASS
N71	15	5	CP-QPSK	L	Edge_1RB_Left	21.72	PC3	PASS
N71	15	5	CP-QPSK	L	Inner_Full	23.10	PC3	PASS
N71	15	5	CP-QPSK	L	Edge_1RB_Right	21.45	PC3	PASS
N71	15	5	CP-16QAM	L	Outer_Full	21.66	PC3	PASS
N71	15	5	CP-16QAM	L	Edge_1RB_Left	21.60	PC3	PASS
N71	15	5	CP-16QAM	L	Inner_Full	22.40	PC3	PASS
N71	15	5	CP-16QAM	L	Edge_1RB_Right	21.56	PC3	PASS
N71	15	5	CP-QPSK	M	Outer_Full	21.02	PC3	PASS
N71	15	5	CP-QPSK	M	Edge_1RB_Left	21.15	PC3	PASS
N71	15	5	CP-QPSK	M	Inner_Full	22.50	PC3	PASS
N71	15	5	CP-QPSK	M	Edge_1RB_Right	20.89	PC3	PASS
N71	15	5	CP-16QAM	M	Outer_Full	21.11	PC3	PASS
N71	15	5	CP-16QAM	M	Edge_1RB_Left	21.02	PC3	PASS
N71	15	5	CP-16QAM	M	Inner_Full	22.14	PC3	PASS
N71	15	5	CP-16QAM	M	Edge_1RB_Right	21.12	PC3	PASS
N71	15	5	CP-QPSK	H	Outer_Full	20.67	PC3	PASS
N71	15	5	CP-QPSK	H	Edge_1RB_Left	20.65	PC3	PASS
N71	15	5	CP-QPSK	H	Inner_Full	22.16	PC3	PASS
N71	15	5	CP-QPSK	H	Edge_1RB_Right	20.47	PC3	PASS
N71	15	5	CP-16QAM	H	Outer_Full	20.56	PC3	PASS
N71	15	5	CP-16QAM	H	Edge_1RB_Left	20.88	PC3	PASS
N71	15	5	CP-16QAM	H	Inner_Full	21.58	PC3	PASS
N71	15	5	CP-16QAM	H	Edge_1RB_Right	20.73	PC3	PASS
N71	15	10	CP-QPSK	L	Outer_Full	21.38	PC3	PASS
N71	15	10	CP-QPSK	L	Edge_1RB_Left	21.50	PC3	PASS
N71	15	10	CP-QPSK	L	Inner_Full	22.99	PC3	PASS
N71	15	10	CP-QPSK	L	Edge_1RB_Right	21.00	PC3	PASS
N71	15	10	CP-16QAM	L	Outer_Full	21.39	PC3	PASS
N71	15	10	CP-16QAM	L	Edge_1RB_Left	21.45	PC3	PASS
N71	15	10	CP-16QAM	L	Inner_Full	22.37	PC3	PASS
N71	15	10	CP-16QAM	L	Edge_1RB_Right	21.16	PC3	PASS
N71	15	10	CP-QPSK	M	Outer_Full	21.03	PC3	PASS
N71	15	10	CP-QPSK	M	Edge_1RB_Left	20.93	PC3	PASS
N71	15	10	CP-QPSK	M	Inner_Full	22.65	PC3	PASS
N71	15	10	CP-QPSK	M	Edge_1RB_Right	21.24	PC3	PASS

N71	15	10	CP-16QAM	M	Outer_Full	21.16	PC3	PASS
N71	15	10	CP-16QAM	M	Edge_1RB_Left	20.87	PC3	PASS
N71	15	10	CP-16QAM	M	Inner_Full	22.02	PC3	PASS
N71	15	10	CP-16QAM	M	Edge_1RB_Right	20.78	PC3	PASS
N71	15	10	CP-QPSK	H	Outer_Full	20.85	PC3	PASS
N71	15	10	CP-QPSK	H	Edge_1RB_Left	21.13	PC3	PASS
N71	15	10	CP-QPSK	H	Inner_Full	22.35	PC3	PASS
N71	15	10	CP-QPSK	H	Edge_1RB_Right	20.42	PC3	PASS
N71	15	10	CP-16QAM	H	Outer_Full	20.81	PC3	PASS
N71	15	10	CP-16QAM	H	Edge_1RB_Left	21.00	PC3	PASS
N71	15	10	CP-16QAM	H	Inner_Full	21.79	PC3	PASS
N71	15	10	CP-16QAM	H	Edge_1RB_Right	20.28	PC3	PASS
N71	15	15	CP-QPSK	L	Outer_Full	21.19	PC3	PASS
N71	15	15	CP-QPSK	L	Edge_1RB_Left	21.56	PC3	PASS
N71	15	15	CP-QPSK	L	Inner_Full	22.74	PC3	PASS
N71	15	15	CP-QPSK	L	Edge_1RB_Right	20.85	PC3	PASS
N71	15	15	CP-16QAM	L	Outer_Full	21.20	PC3	PASS
N71	15	15	CP-16QAM	L	Edge_1RB_Left	21.20	PC3	PASS
N71	15	15	CP-16QAM	L	Inner_Full	22.19	PC3	PASS
N71	15	15	CP-16QAM	L	Edge_1RB_Right	21.06	PC3	PASS
N71	15	15	CP-QPSK	M	Outer_Full	21.02	PC3	PASS
N71	15	15	CP-QPSK	M	Edge_1RB_Left	20.87	PC3	PASS
N71	15	15	CP-QPSK	M	Inner_Full	22.51	PC3	PASS
N71	15	15	CP-QPSK	M	Edge_1RB_Right	20.97	PC3	PASS
N71	15	15	CP-16QAM	M	Outer_Full	21.10	PC3	PASS
N71	15	15	CP-16QAM	M	Edge_1RB_Left	20.69	PC3	PASS
N71	15	15	CP-16QAM	M	Inner_Full	22.13	PC3	PASS
N71	15	15	CP-16QAM	M	Edge_1RB_Right	20.79	PC3	PASS
N71	15	15	CP-QPSK	H	Outer_Full	20.77	PC3	PASS
N71	15	15	CP-QPSK	H	Edge_1RB_Left	21.01	PC3	PASS
N71	15	15	CP-QPSK	H	Inner_Full	22.47	PC3	PASS
N71	15	15	CP-QPSK	H	Edge_1RB_Right	20.34	PC3	PASS
N71	15	15	CP-16QAM	H	Outer_Full	20.82	PC3	PASS
N71	15	15	CP-16QAM	H	Edge_1RB_Left	20.76	PC3	PASS
N71	15	15	CP-16QAM	H	Inner_Full	21.99	PC3	PASS
N71	15	15	CP-16QAM	H	Edge_1RB_Right	20.60	PC3	PASS
N71	15	20	CP-QPSK	L	Outer_Full	21.29	PC3	PASS
N71	15	20	CP-QPSK	L	Edge_1RB_Left	21.67	PC3	PASS
N71	15	20	CP-QPSK	L	Inner_Full	23.13	PC3	PASS
N71	15	20	CP-QPSK	L	Edge_1RB_Right	20.98	PC3	PASS
N71	15	20	CP-16QAM	L	Outer_Full	21.14	PC3	PASS
N71	15	20	CP-16QAM	L	Edge_1RB_Left	21.76	PC3	PASS

N71	15	20	CP-16QAM	L	Inner_Full	21.98	PC3	PASS
N71	15	20	CP-16QAM	L	Edge_1RB_Right	21.13	PC3	PASS
N71	15	20	CP-QPSK	M	Outer_Full	21.10	PC3	PASS
N71	15	20	CP-QPSK	M	Edge_1RB_Left	21.12	PC3	PASS
N71	15	20	CP-QPSK	M	Inner_Full	22.51	PC3	PASS
N71	15	20	CP-QPSK	M	Edge_1RB_Right	20.98	PC3	PASS
N71	15	20	CP-16QAM	M	Outer_Full	21.00	PC3	PASS
N71	15	20	CP-16QAM	M	Edge_1RB_Left	20.93	PC3	PASS
N71	15	20	CP-16QAM	M	Inner_Full	22.08	PC3	PASS
N71	15	20	CP-16QAM	M	Edge_1RB_Right	20.94	PC3	PASS
N71	15	20	CP-QPSK	H	Outer_Full	20.86	PC3	PASS
N71	15	20	CP-QPSK	H	Edge_1RB_Left	21.06	PC3	PASS
N71	15	20	CP-QPSK	H	Inner_Full	22.55	PC3	PASS
N71	15	20	CP-QPSK	H	Edge_1RB_Right	20.51	PC3	PASS
N71	15	20	CP-16QAM	H	Outer_Full	20.89	PC3	PASS
N71	15	20	CP-16QAM	H	Edge_1RB_Left	20.88	PC3	PASS
N71	15	20	CP-16QAM	H	Inner_Full	21.97	PC3	PASS
N71	15	20	CP-16QAM	H	Edge_1RB_Right	20.49	PC3	PASS

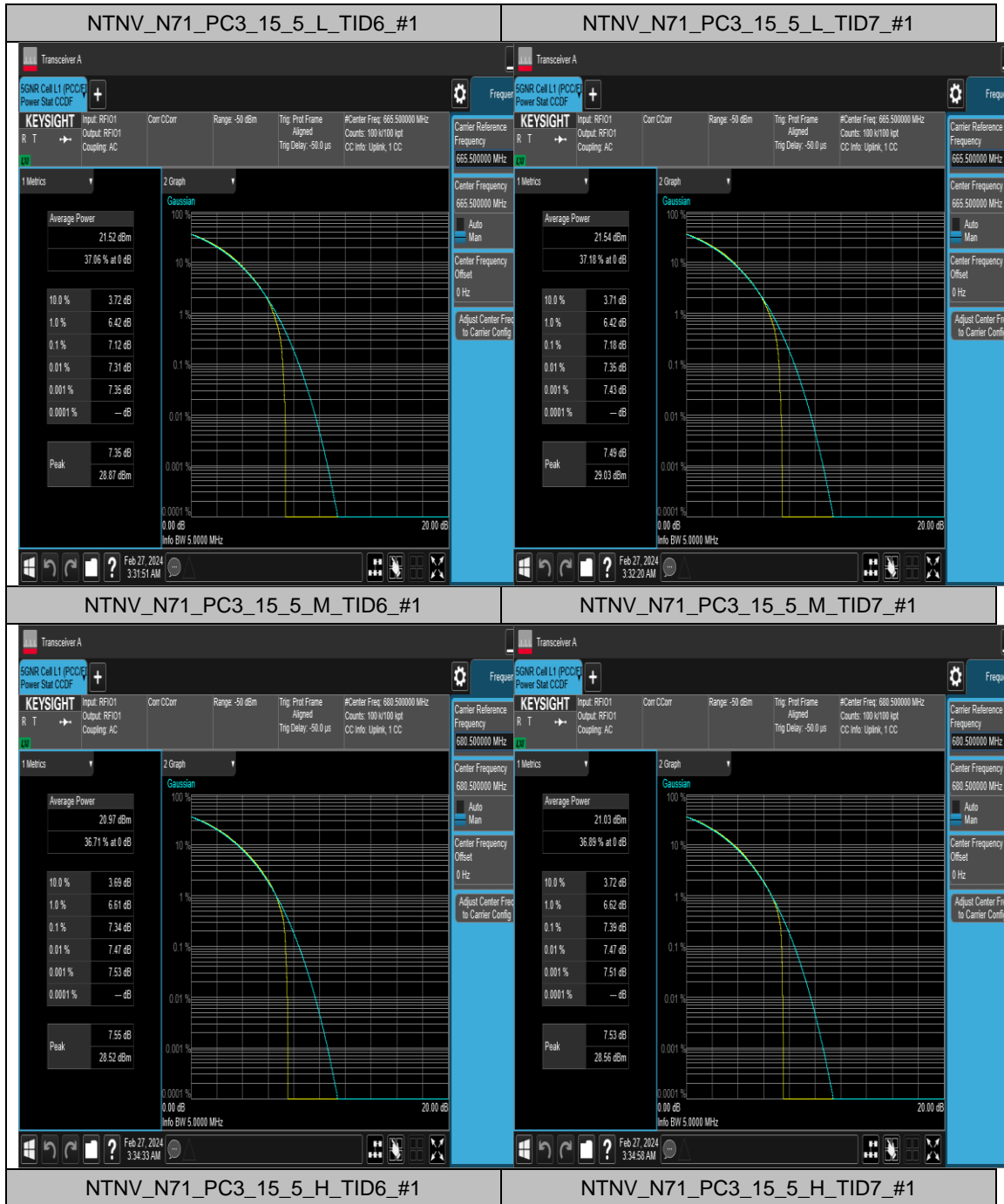
Appendix B: Peak-to-Average Ratio for SA

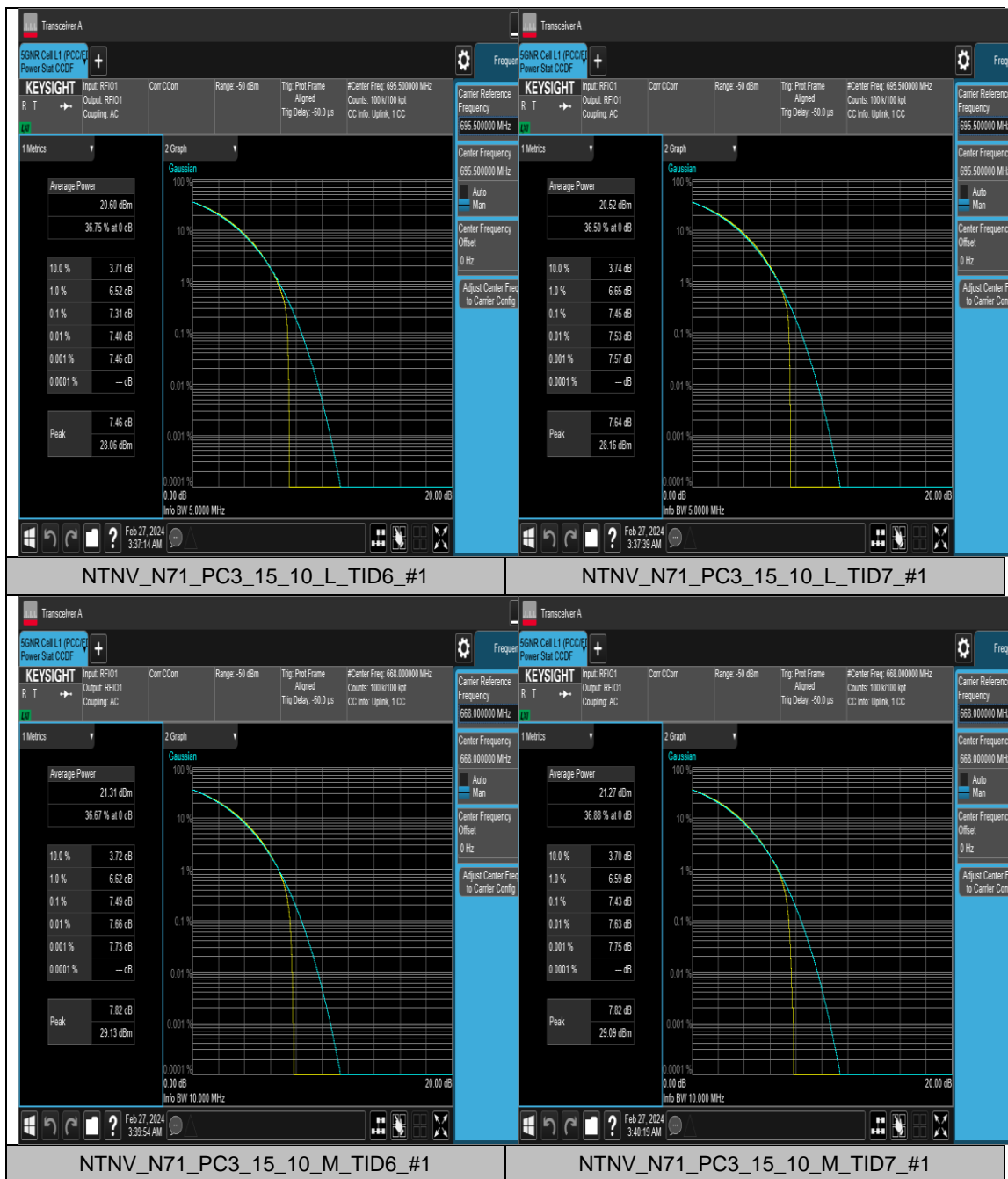
Peak-to-Average Ratio(CCDF)

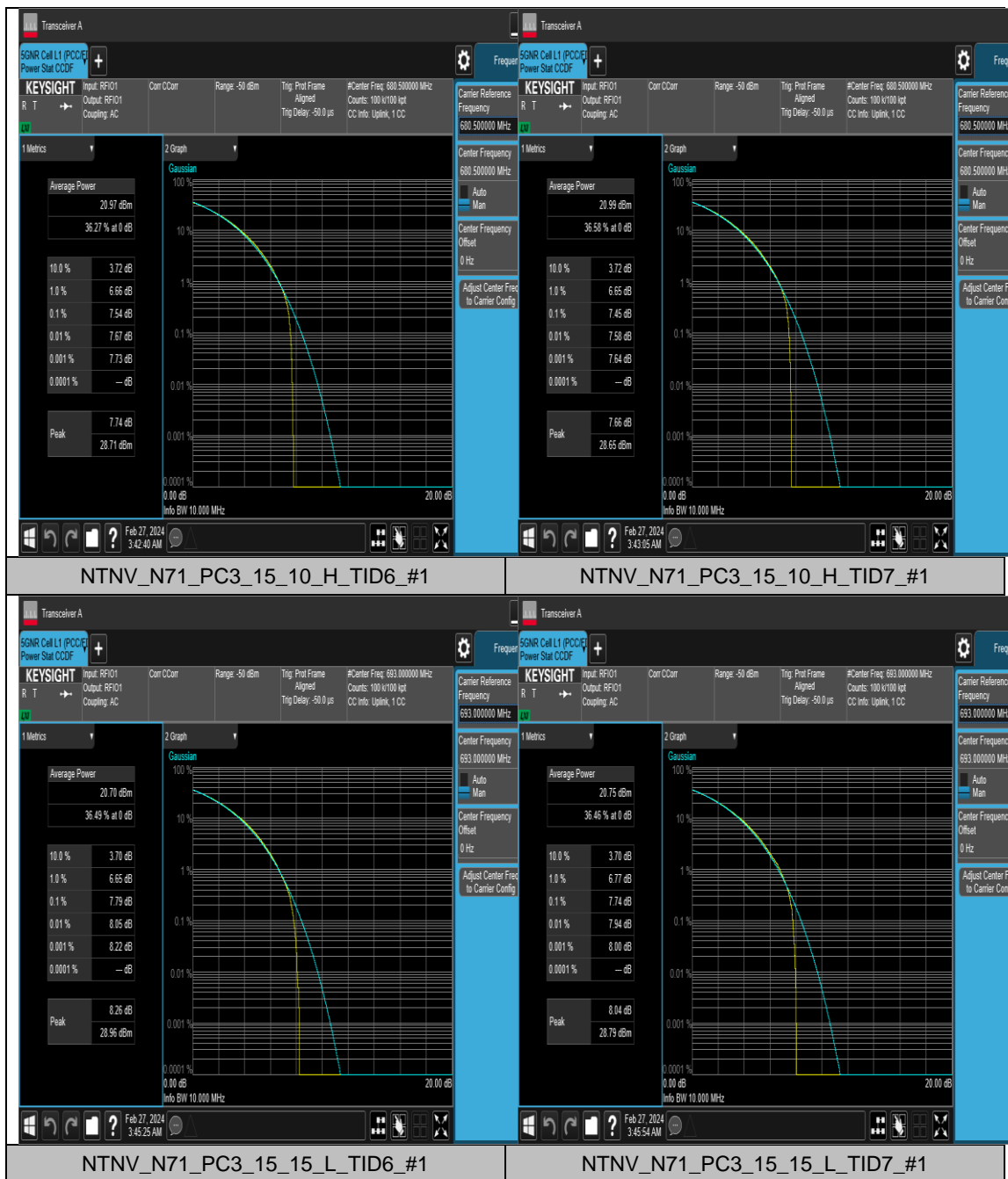
Test Result

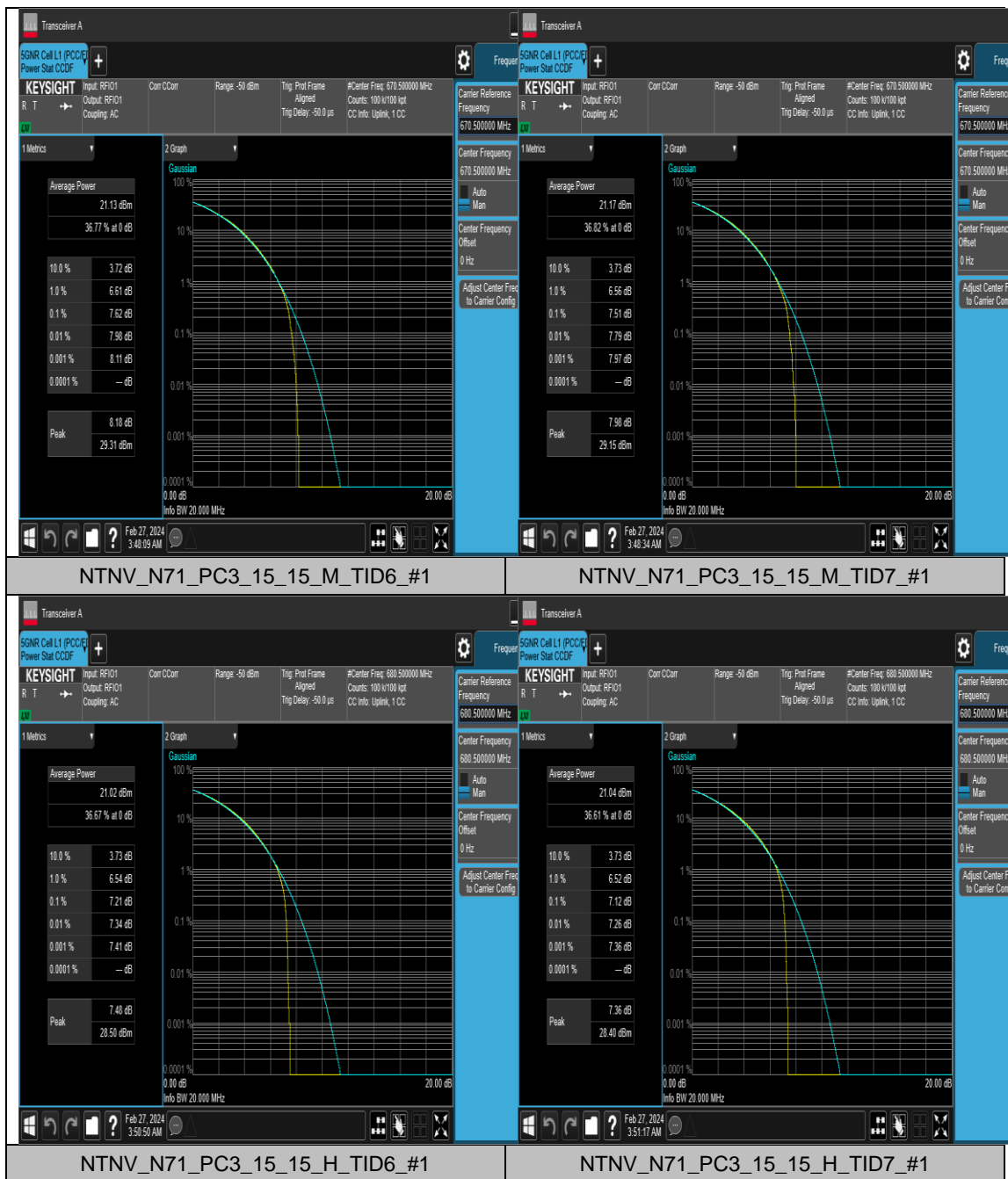
Band	SCS	Bandwidth	Modulation	Channel	RB Config	Result	Limit	Verdict
N71	15	5	CP-QPSK	L	Outer_Full	7.12	≤13	PASS
N71	15	5	CP-16QAM	L	Outer_Full	7.18	≤13	PASS
N71	15	5	CP-QPSK	M	Outer_Full	7.34	≤13	PASS
N71	15	5	CP-16QAM	M	Outer_Full	7.39	≤13	PASS
N71	15	5	CP-QPSK	H	Outer_Full	7.31	≤13	PASS
N71	15	5	CP-16QAM	H	Outer_Full	7.45	≤13	PASS
N71	15	10	CP-QPSK	L	Outer_Full	7.49	≤13	PASS
N71	15	10	CP-16QAM	L	Outer_Full	7.43	≤13	PASS
N71	15	10	CP-QPSK	M	Outer_Full	7.54	≤13	PASS
N71	15	10	CP-16QAM	M	Outer_Full	7.45	≤13	PASS
N71	15	10	CP-QPSK	H	Outer_Full	7.79	≤13	PASS
N71	15	10	CP-16QAM	H	Outer_Full	7.74	≤13	PASS
N71	15	15	CP-QPSK	L	Outer_Full	7.62	≤13	PASS
N71	15	15	CP-16QAM	L	Outer_Full	7.51	≤13	PASS
N71	15	15	CP-QPSK	M	Outer_Full	7.21	≤13	PASS
N71	15	15	CP-16QAM	M	Outer_Full	7.12	≤13	PASS
N71	15	15	CP-QPSK	H	Outer_Full	7.14	≤13	PASS
N71	15	15	CP-16QAM	H	Outer_Full	7.11	≤13	PASS
N71	15	20	CP-QPSK	L	Outer_Full	7.67	≤13	PASS
N71	15	20	CP-16QAM	L	Outer_Full	7.62	≤13	PASS
N71	15	20	CP-QPSK	M	Outer_Full	7.72	≤13	PASS
N71	15	20	CP-16QAM	M	Outer_Full	7.67	≤13	PASS
N71	15	20	CP-QPSK	H	Outer_Full	7.79	≤13	PASS
N71	15	20	CP-16QAM	H	Outer_Full	7.74	≤13	PASS

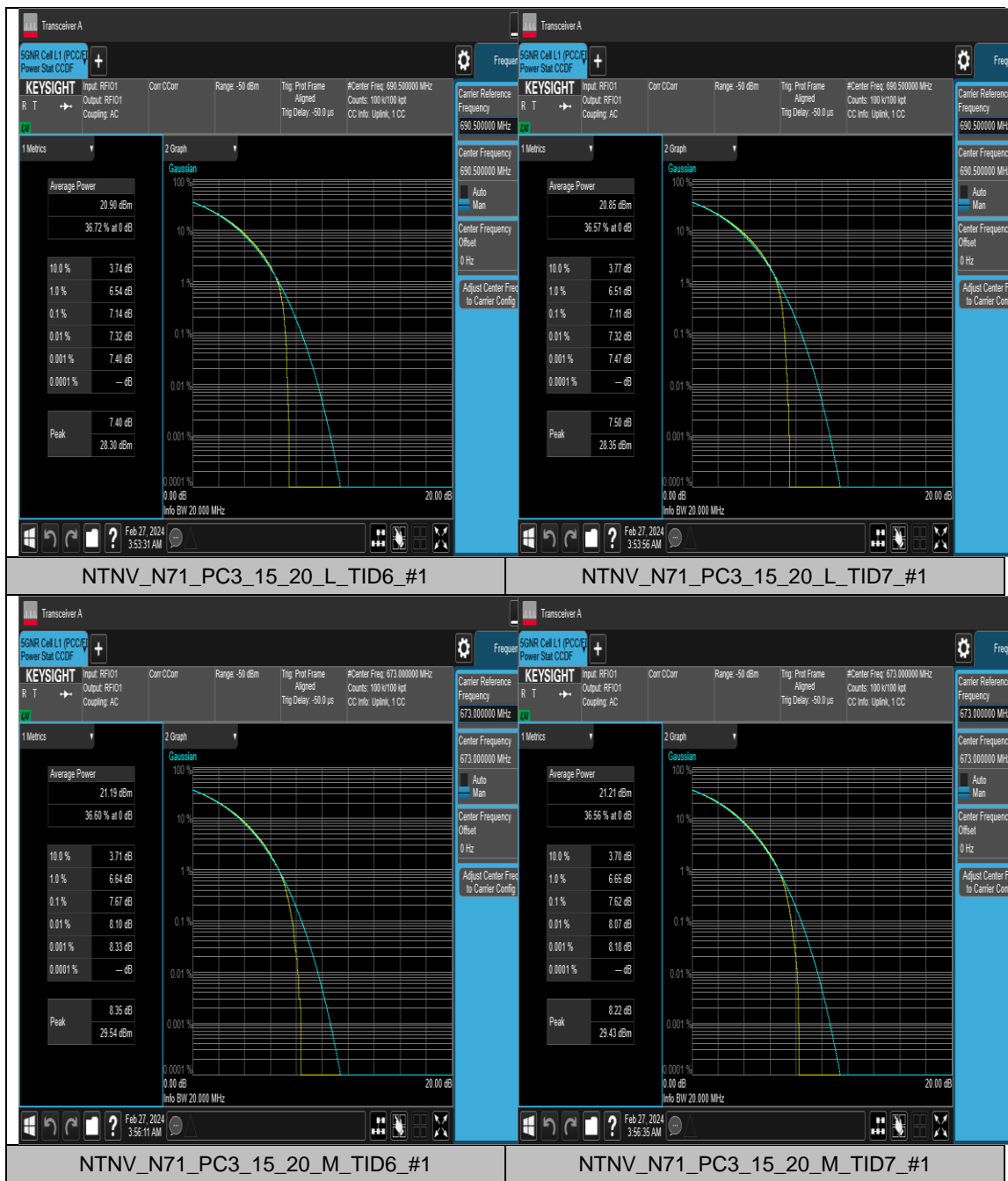
Test Graphs

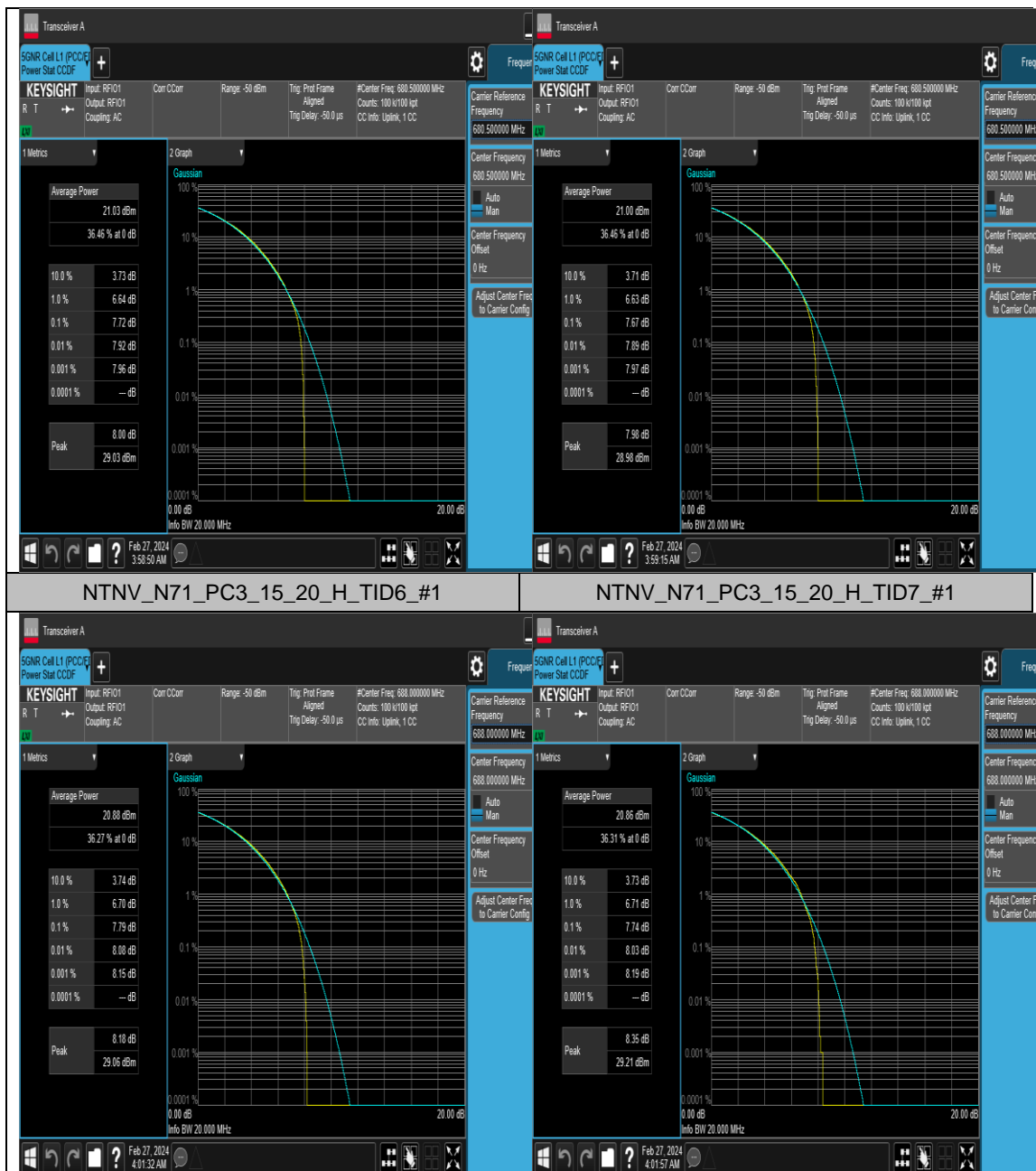










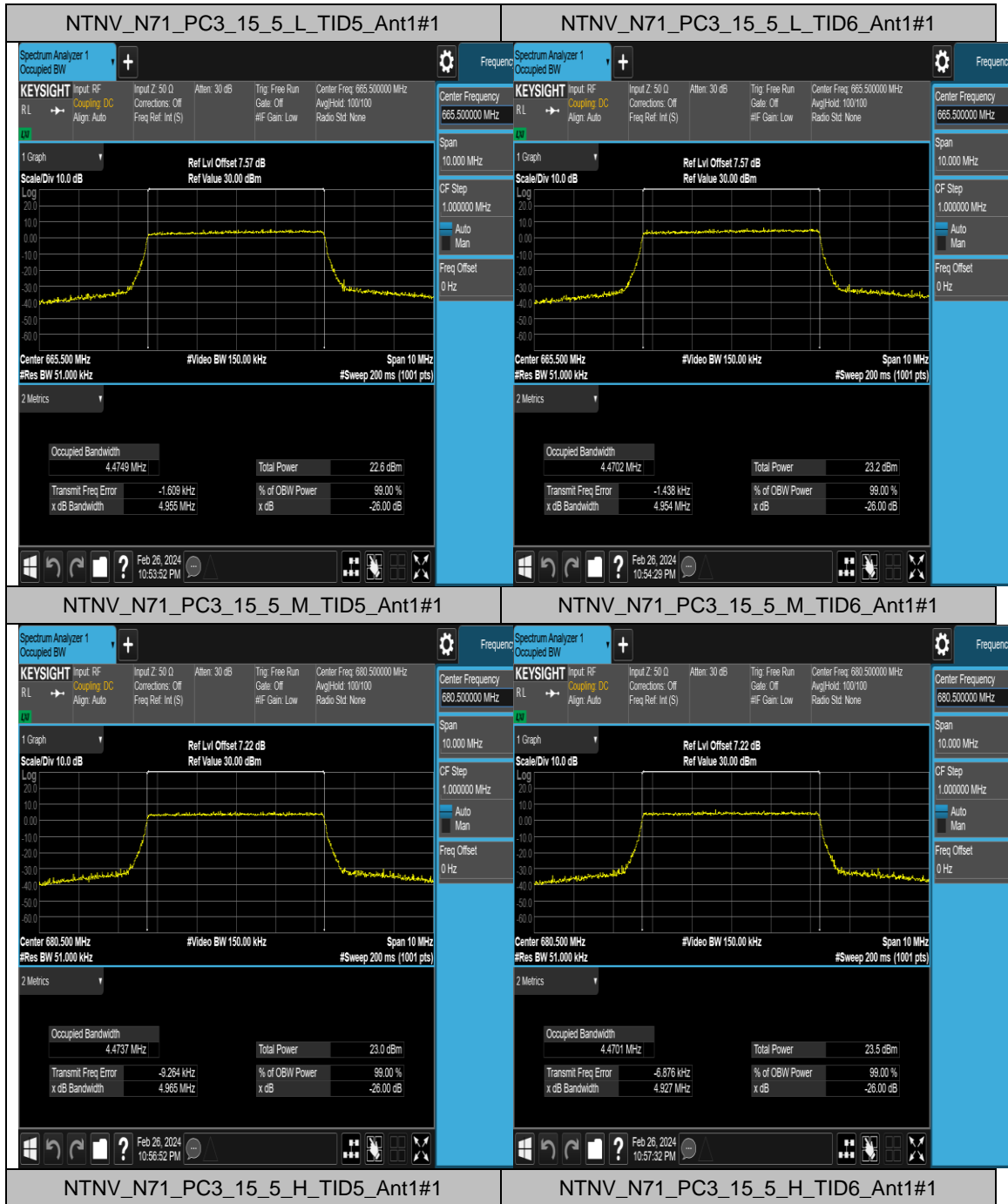


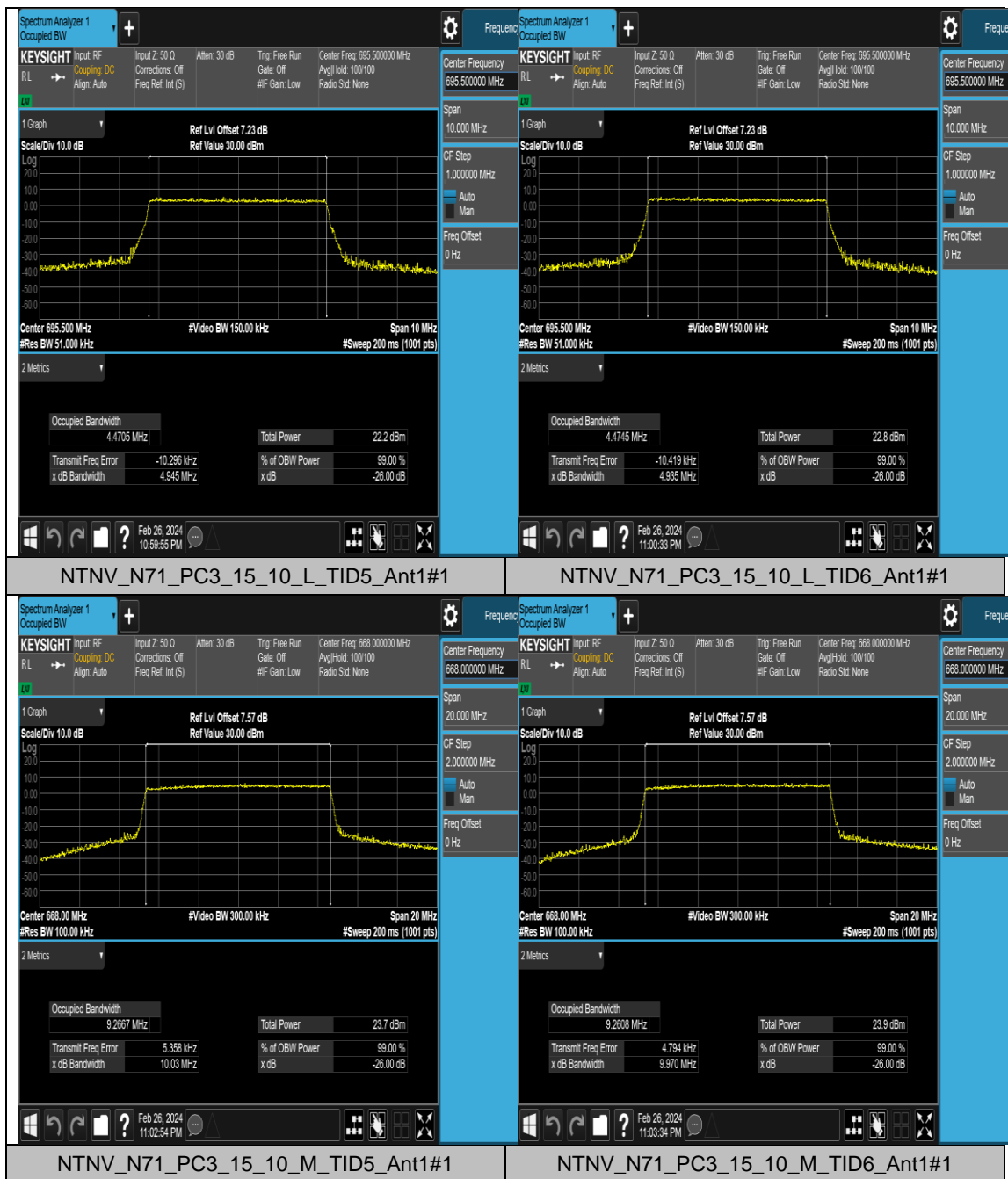
Appendix C: 26dB Bandwidth and Occupied Bandwidth for SA

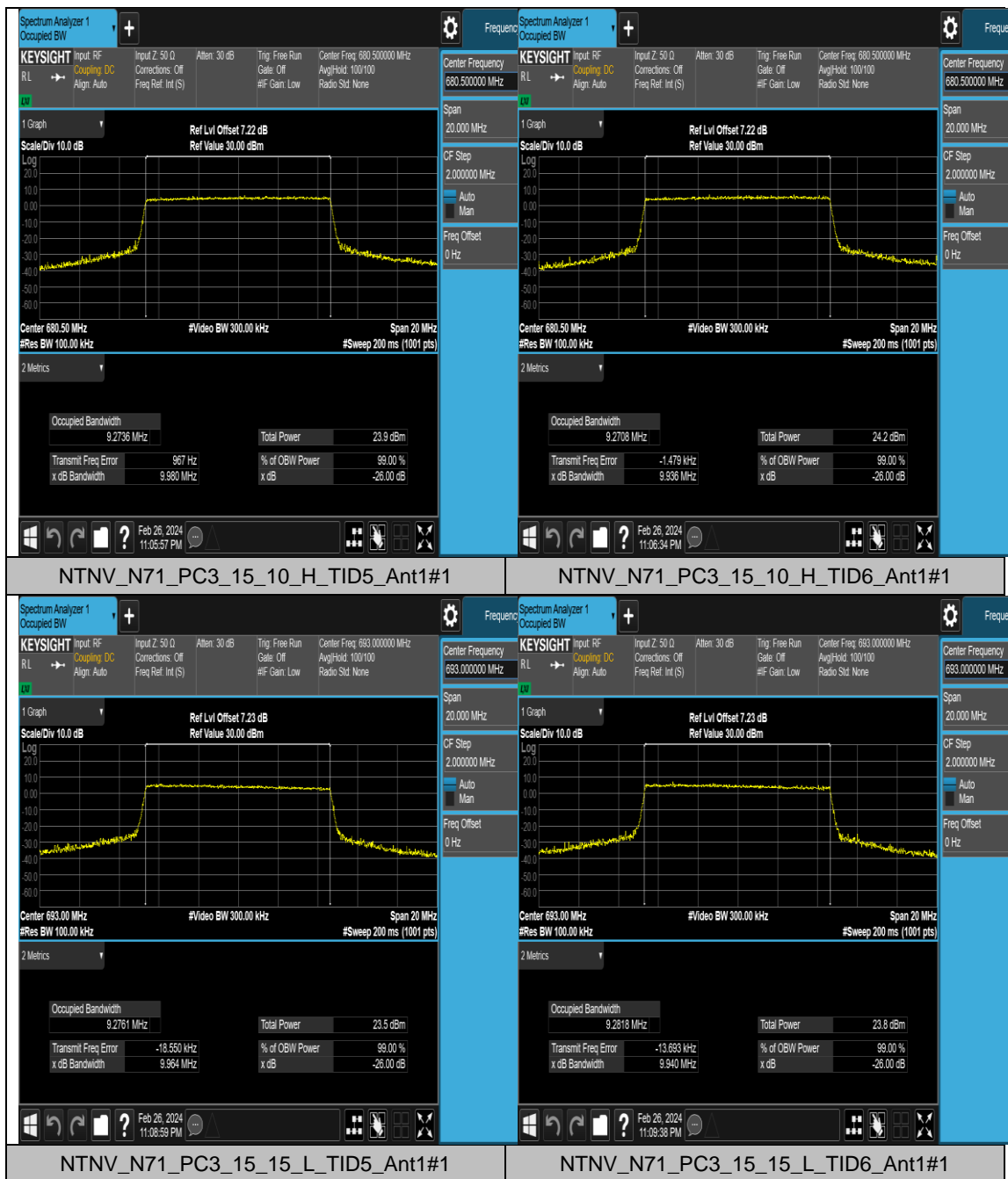
Test Result

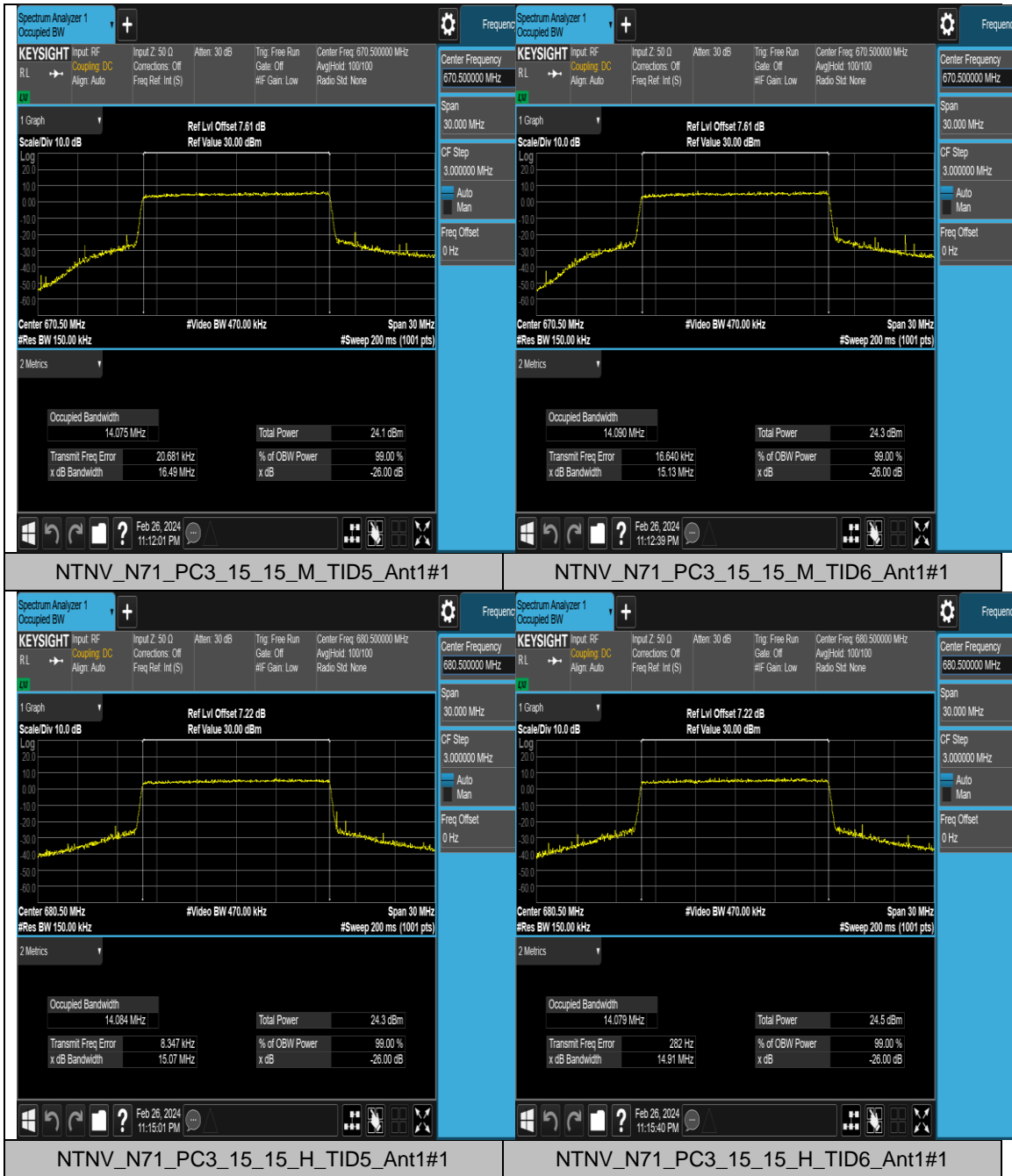
Band	SCS	Bandwidth	Modulation	Channel	RB Config	Result (99%)	Result (26dB)	Verdict
N71	15	5	CP-QPSK	L	Outer_Full	4.4749	4.955	PASS
N71	15	5	CP-16QAM	L	Outer_Full	4.4702	4.954	PASS
N71	15	5	CP-QPSK	M	Outer_Full	4.4737	4.965	PASS
N71	15	5	CP-16QAM	M	Outer_Full	4.4701	4.927	PASS
N71	15	5	CP-QPSK	H	Outer_Full	4.4705	4.945	PASS
N71	15	5	CP-16QAM	H	Outer_Full	4.4745	4.935	PASS
N71	15	10	CP-QPSK	L	Outer_Full	9.2667	10.03	PASS
N71	15	10	CP-16QAM	L	Outer_Full	9.2608	9.970	PASS
N71	15	10	CP-QPSK	M	Outer_Full	9.2736	9.980	PASS
N71	15	10	CP-16QAM	M	Outer_Full	9.2708	9.936	PASS
N71	15	10	CP-QPSK	H	Outer_Full	9.2761	9.964	PASS
N71	15	10	CP-16QAM	H	Outer_Full	9.2818	9.940	PASS
N71	15	15	CP-QPSK	L	Outer_Full	14.075	16.49	PASS
N71	15	15	CP-16QAM	L	Outer_Full	14.090	15.13	PASS
N71	15	15	CP-QPSK	M	Outer_Full	14.084	15.07	PASS
N71	15	15	CP-16QAM	M	Outer_Full	14.079	14.91	PASS
N71	15	15	CP-QPSK	H	Outer_Full	14.082	14.88	PASS
N71	15	15	CP-16QAM	H	Outer_Full	14.072	14.88	PASS
N71	15	20	CP-QPSK	L	Outer_Full	18.858	19.77	PASS
N71	15	20	CP-16QAM	L	Outer_Full	18.863	19.79	PASS
N71	15	20	CP-QPSK	M	Outer_Full	18.867	19.78	PASS
N71	15	20	CP-16QAM	M	Outer_Full	18.877	19.83	PASS
N71	15	20	CP-QPSK	H	Outer_Full	18.831	19.79	PASS
N71	15	20	CP-16QAM	H	Outer_Full	18.852	19.78	PASS

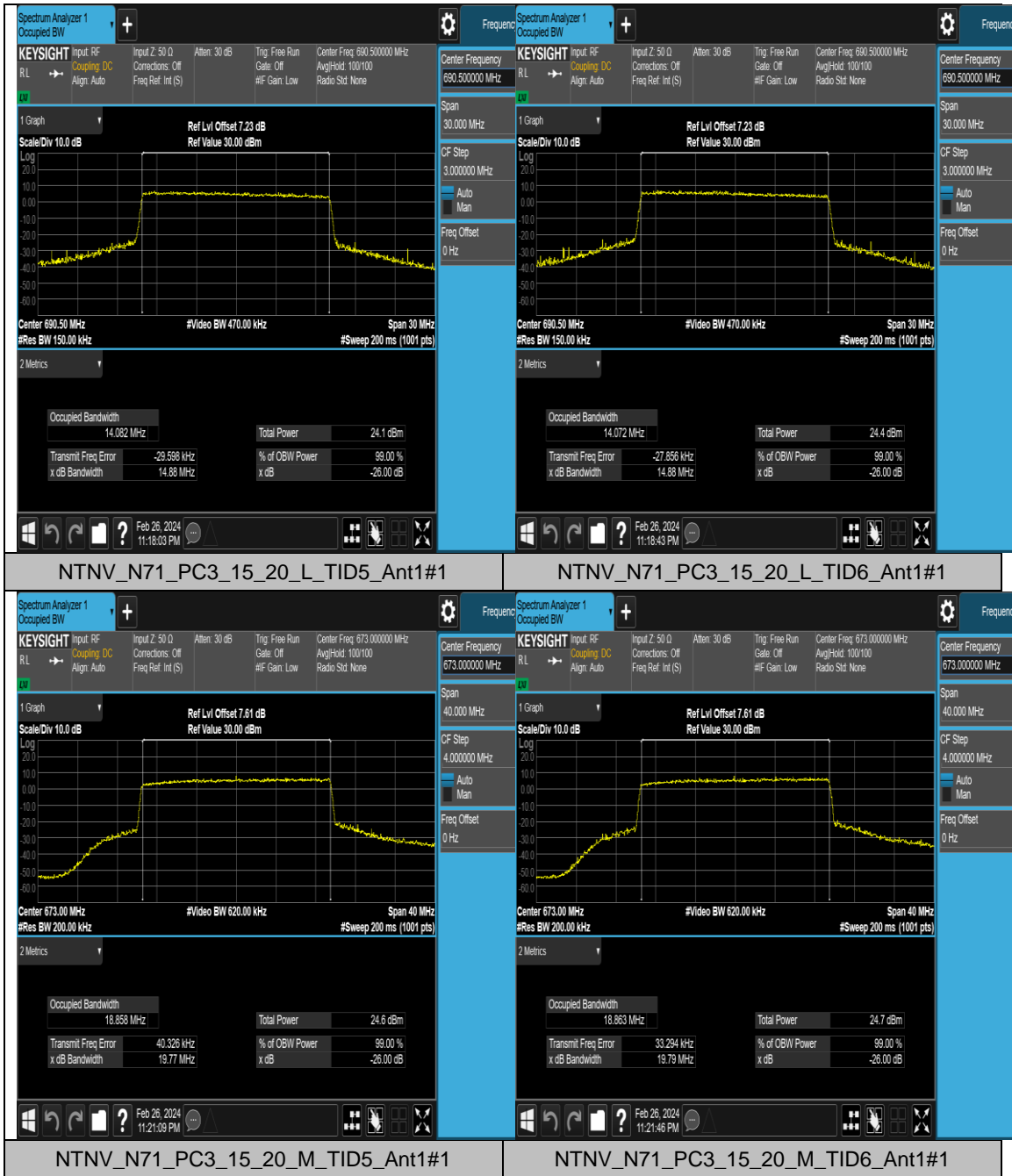
Test Graphs

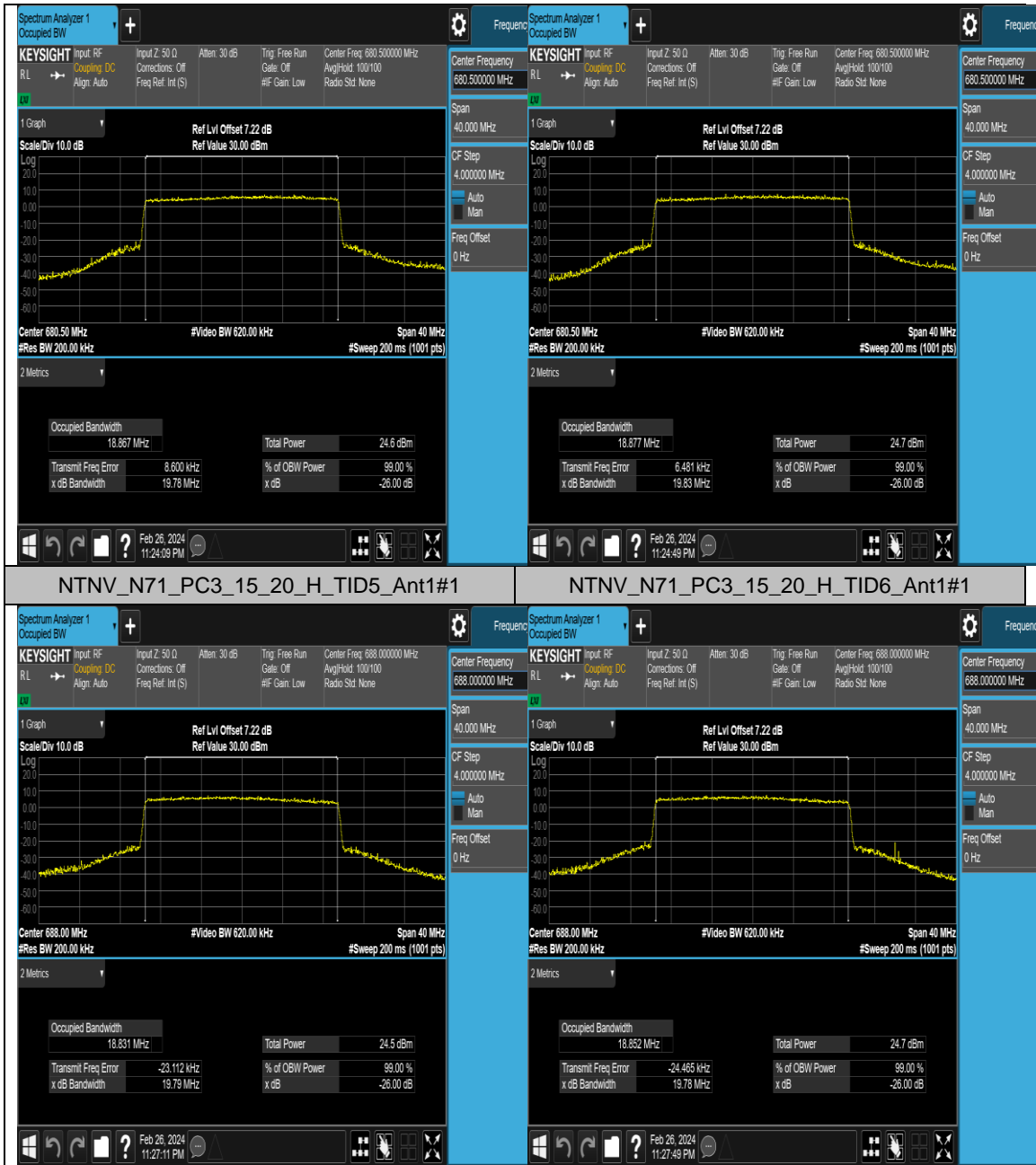












Appendix D: Band Edge for SA

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	DFT-16QAM	L	Outer_Full	PASS
N71	15	5	DFT-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	DFT-16QAM	H	Outer_Full	PASS
N71	15	5	DFT-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	DFT-16QAM	L	Outer_Full	PASS
N71	15	10	DFT-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	DFT-16QAM	H	Outer_Full	PASS
N71	15	10	DFT-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	DFT-16QAM	L	Outer_Full	PASS
N71	15	15	DFT-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	DFT-16QAM	H	Outer_Full	PASS
N71	15	15	DFT-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	DFT-16QAM	L	Outer_Full	PASS
N71	15	20	DFT-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	DFT-16QAM	H	Outer_Full	PASS
N71	15	20	DFT-16QAM	H	Edge_1RB_Right	PASS

Test Graphs

