

Appendix for N5

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
N5	15	5	CP-QPSK	L	Outer_Full	22.10	PC3	PASS
N5	15	5	CP-QPSK	L	Edge_1RB_Left	22.00	PC3	PASS
N5	15	5	CP-QPSK	L	Inner_Full	23.42	PC3	PASS
N5	15	5	CP-QPSK	L	Edge_1RB_Right	21.86	PC3	PASS
N5	15	5	CP-16QAM	L	Outer_Full	22.16	PC3	PASS
N5	15	5	CP-16QAM	L	Edge_1RB_Left	22.05	PC3	PASS
N5	15	5	CP-16QAM	L	Inner_Full	23.03	PC3	PASS
N5	15	5	CP-16QAM	L	Edge_1RB_Right	21.93	PC3	PASS
N5	15	5	CP-QPSK	M	Outer_Full	21.82	PC3	PASS
N5	15	5	CP-QPSK	M	Edge_1RB_Left	21.71	PC3	PASS
N5	15	5	CP-QPSK	M	Inner_Full	23.17	PC3	PASS
N5	15	5	CP-QPSK	M	Edge_1RB_Right	21.76	PC3	PASS
N5	15	5	CP-16QAM	M	Outer_Full	21.83	PC3	PASS
N5	15	5	CP-16QAM	M	Edge_1RB_Left	21.90	PC3	PASS
N5	15	5	CP-16QAM	M	Inner_Full	22.88	PC3	PASS
N5	15	5	CP-16QAM	M	Edge_1RB_Right	21.66	PC3	PASS
N5	15	5	CP-QPSK	H	Outer_Full	21.65	PC3	PASS
N5	15	5	CP-QPSK	H	Edge_1RB_Left	21.74	PC3	PASS
N5	15	5	CP-QPSK	H	Inner_Full	23.18	PC3	PASS
N5	15	5	CP-QPSK	H	Edge_1RB_Right	21.57	PC3	PASS
N5	15	5	CP-16QAM	H	Outer_Full	21.64	PC3	PASS
N5	15	5	CP-16QAM	H	Edge_1RB_Left	21.78	PC3	PASS
N5	15	5	CP-16QAM	H	Inner_Full	22.59	PC3	PASS
N5	15	5	CP-16QAM	H	Edge_1RB_Right	21.72	PC3	PASS
N5	15	10	CP-QPSK	L	Outer_Full	21.97	PC3	PASS
N5	15	10	CP-QPSK	L	Edge_1RB_Left	21.97	PC3	PASS
N5	15	10	CP-QPSK	L	Inner_Full	23.50	PC3	PASS
N5	15	10	CP-QPSK	L	Edge_1RB_Right	21.73	PC3	PASS
N5	15	10	CP-16QAM	L	Outer_Full	21.93	PC3	PASS
N5	15	10	CP-16QAM	L	Edge_1RB_Left	21.80	PC3	PASS
N5	15	10	CP-16QAM	L	Inner_Full	23.04	PC3	PASS
N5	15	10	CP-16QAM	L	Edge_1RB_Right	21.75	PC3	PASS
N5	15	10	CP-QPSK	M	Outer_Full	21.74	PC3	PASS
N5	15	10	CP-QPSK	M	Edge_1RB_Left	21.75	PC3	PASS
N5	15	10	CP-QPSK	M	Inner_Full	23.28	PC3	PASS

N5	15	10	CP-QPSK	M	Edge_1RB_Right	21.60	PC3	PASS
N5	15	10	CP-16QAM	M	Outer_Full	21.78	PC3	PASS
N5	15	10	CP-16QAM	M	Edge_1RB_Left	21.88	PC3	PASS
N5	15	10	CP-16QAM	M	Inner_Full	22.76	PC3	PASS
N5	15	10	CP-16QAM	M	Edge_1RB_Right	21.81	PC3	PASS
N5	15	10	CP-QPSK	H	Outer_Full	21.69	PC3	PASS
N5	15	10	CP-QPSK	H	Edge_1RB_Left	21.67	PC3	PASS
N5	15	10	CP-QPSK	H	Inner_Full	23.17	PC3	PASS
N5	15	10	CP-QPSK	H	Edge_1RB_Right	21.53	PC3	PASS
N5	15	10	CP-16QAM	H	Outer_Full	21.67	PC3	PASS
N5	15	10	CP-16QAM	H	Edge_1RB_Left	21.61	PC3	PASS
N5	15	10	CP-16QAM	H	Inner_Full	22.68	PC3	PASS
N5	15	10	CP-16QAM	H	Edge_1RB_Right	21.77	PC3	PASS
N5	15	15	CP-QPSK	L	Outer_Full	21.85	PC3	PASS
N5	15	15	CP-QPSK	L	Edge_1RB_Left	22.04	PC3	PASS
N5	15	15	CP-QPSK	L	Inner_Full	23.31	PC3	PASS
N5	15	15	CP-QPSK	L	Edge_1RB_Right	21.65	PC3	PASS
N5	15	15	CP-16QAM	L	Outer_Full	21.81	PC3	PASS
N5	15	15	CP-16QAM	L	Edge_1RB_Left	21.78	PC3	PASS
N5	15	15	CP-16QAM	L	Inner_Full	22.82	PC3	PASS
N5	15	15	CP-16QAM	L	Edge_1RB_Right	21.86	PC3	PASS
N5	15	15	CP-QPSK	M	Outer_Full	21.83	PC3	PASS
N5	15	15	CP-QPSK	M	Edge_1RB_Left	21.90	PC3	PASS
N5	15	15	CP-QPSK	M	Inner_Full	23.29	PC3	PASS
N5	15	15	CP-QPSK	M	Edge_1RB_Right	21.64	PC3	PASS
N5	15	15	CP-16QAM	M	Outer_Full	21.74	PC3	PASS
N5	15	15	CP-16QAM	M	Edge_1RB_Left	21.72	PC3	PASS
N5	15	15	CP-16QAM	M	Inner_Full	22.80	PC3	PASS
N5	15	15	CP-16QAM	M	Edge_1RB_Right	21.75	PC3	PASS
N5	15	15	CP-QPSK	H	Outer_Full	21.75	PC3	PASS
N5	15	15	CP-QPSK	H	Edge_1RB_Left	21.75	PC3	PASS
N5	15	15	CP-QPSK	H	Inner_Full	23.21	PC3	PASS
N5	15	15	CP-QPSK	H	Edge_1RB_Right	21.58	PC3	PASS
N5	15	15	CP-16QAM	H	Outer_Full	21.75	PC3	PASS
N5	15	15	CP-16QAM	H	Edge_1RB_Left	21.85	PC3	PASS
N5	15	15	CP-16QAM	H	Inner_Full	22.74	PC3	PASS
N5	15	15	CP-16QAM	H	Edge_1RB_Right	21.55	PC3	PASS
N5	15	20	CP-QPSK	L	Outer_Full	21.77	PC3	PASS
N5	15	20	CP-QPSK	L	Edge_1RB_Left	22.02	PC3	PASS
N5	15	20	CP-QPSK	L	Inner_Full	23.28	PC3	PASS
N5	15	20	CP-QPSK	L	Edge_1RB_Right	21.56	PC3	PASS
N5	15	20	CP-16QAM	L	Outer_Full	21.87	PC3	PASS

N5	15	20	CP-16QAM	L	Edge_1RB_Left	21.87	PC3	PASS
N5	15	20	CP-16QAM	L	Inner_Full	22.78	PC3	PASS
N5	15	20	CP-16QAM	L	Edge_1RB_Right	21.62	PC3	PASS
N5	15	20	CP-QPSK	M	Outer_Full	21.74	PC3	PASS
N5	15	20	CP-QPSK	M	Edge_1RB_Left	21.90	PC3	PASS
N5	15	20	CP-QPSK	M	Inner_Full	23.22	PC3	PASS
N5	15	20	CP-QPSK	M	Edge_1RB_Right	21.50	PC3	PASS
N5	15	20	CP-16QAM	M	Outer_Full	21.71	PC3	PASS
N5	15	20	CP-16QAM	M	Edge_1RB_Left	21.96	PC3	PASS
N5	15	20	CP-16QAM	M	Inner_Full	22.79	PC3	PASS
N5	15	20	CP-16QAM	M	Edge_1RB_Right	21.00	PC3	PASS
N5	15	20	CP-QPSK	H	Outer_Full	21.62	PC3	PASS
N5	15	20	CP-QPSK	H	Edge_1RB_Left	21.68	PC3	PASS
N5	15	20	CP-QPSK	H	Inner_Full	23.27	PC3	PASS
N5	15	20	CP-QPSK	H	Edge_1RB_Right	21.55	PC3	PASS
N5	15	20	CP-16QAM	H	Outer_Full	21.72	PC3	PASS
N5	15	20	CP-16QAM	H	Edge_1RB_Left	22.09	PC3	PASS
N5	15	20	CP-16QAM	H	Inner_Full	22.65	PC3	PASS
N5	15	20	CP-16QAM	H	Edge_1RB_Right	21.62	PC3	PASS

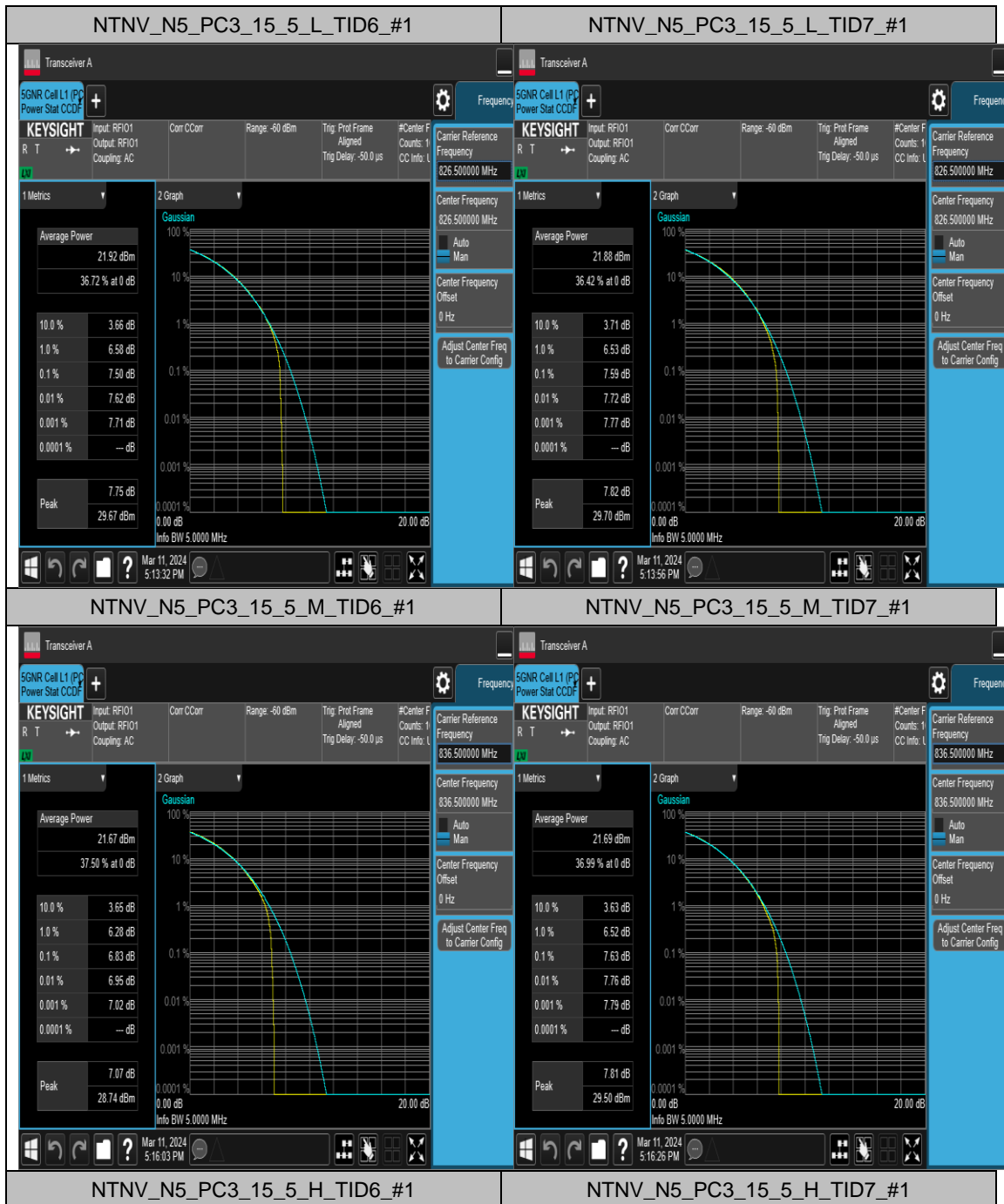
Appendix B: Peak-to-Average Ratio for SA

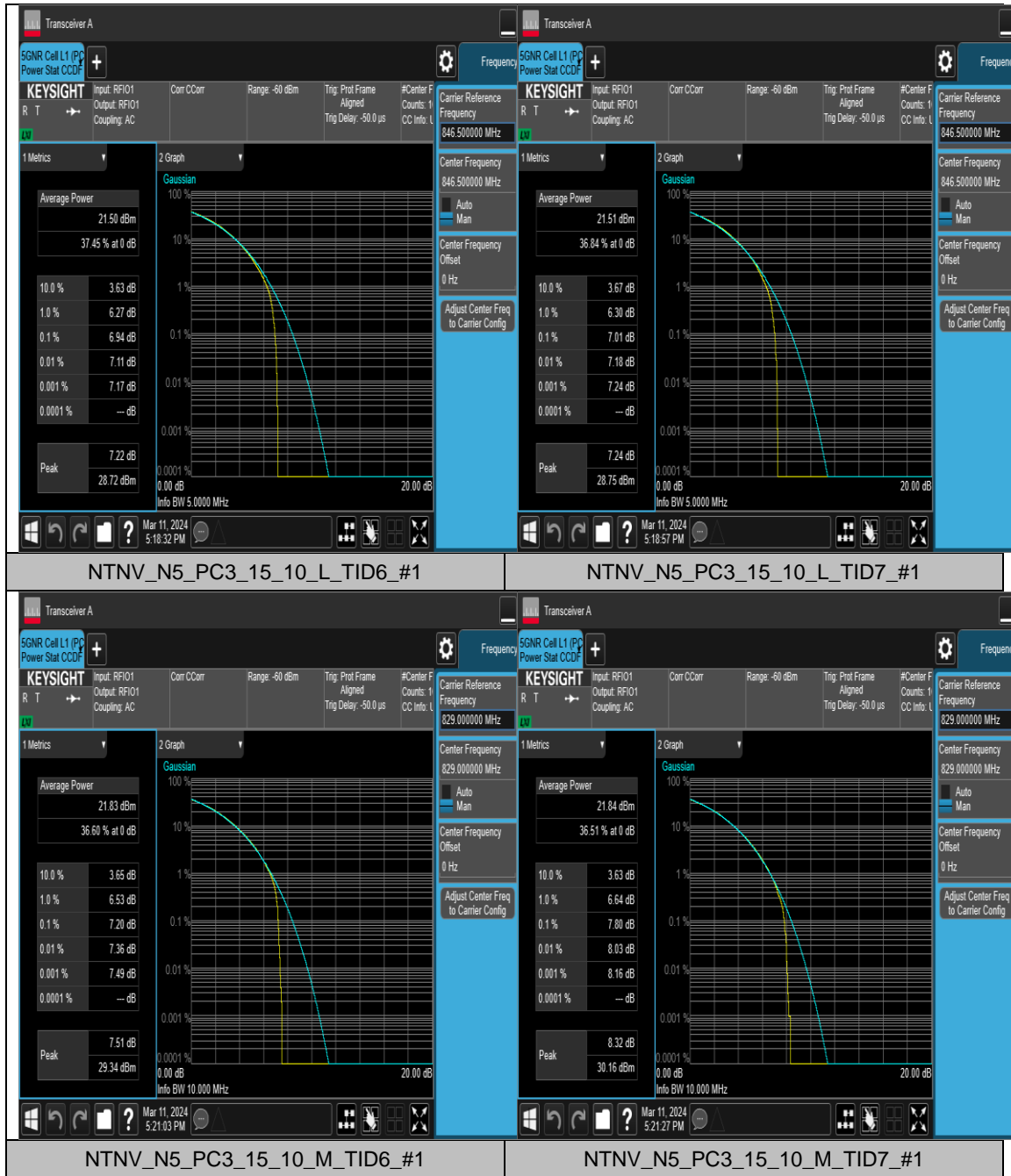
Peak-to-Average Ratio(CCDF)

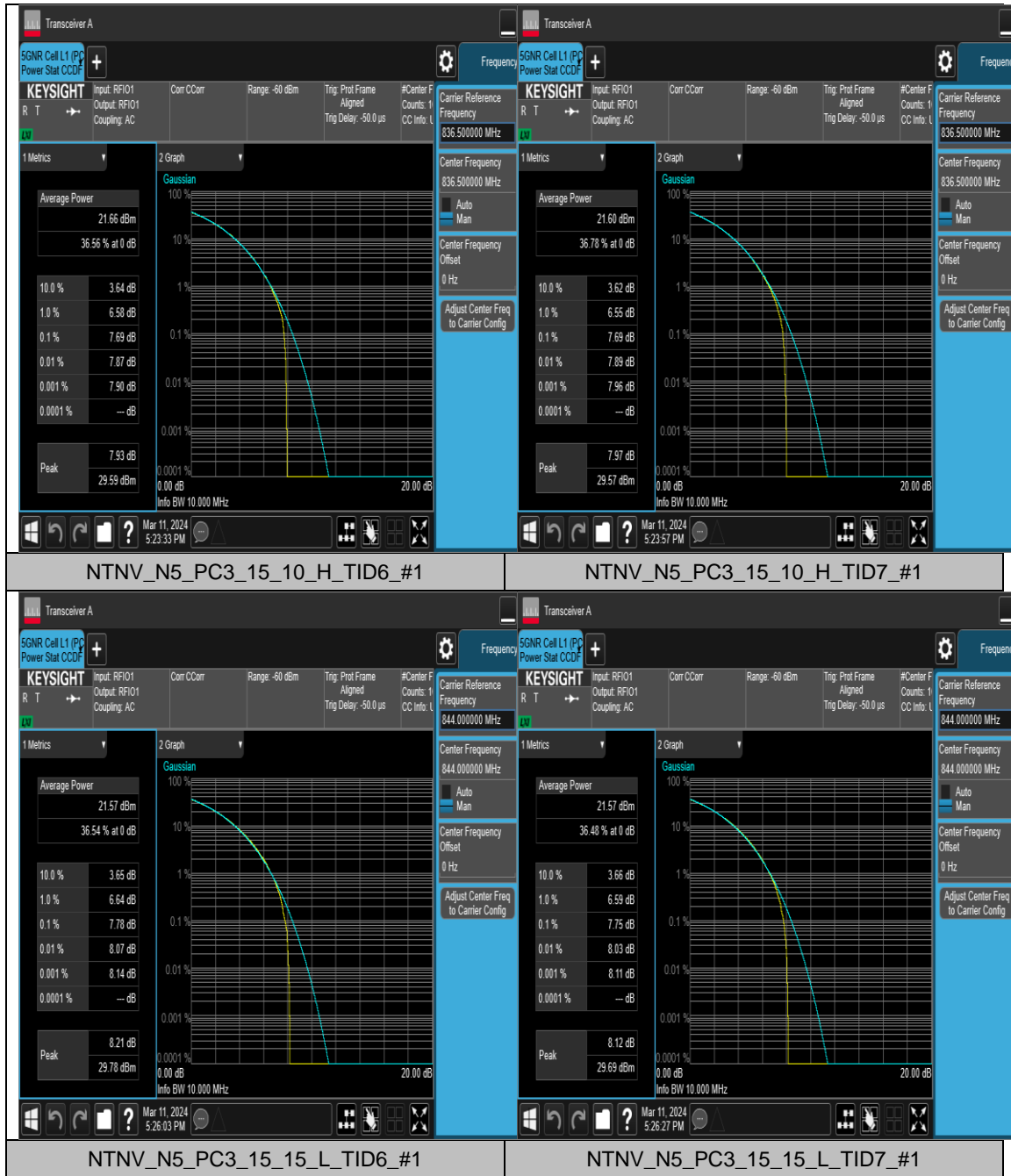
Test Result

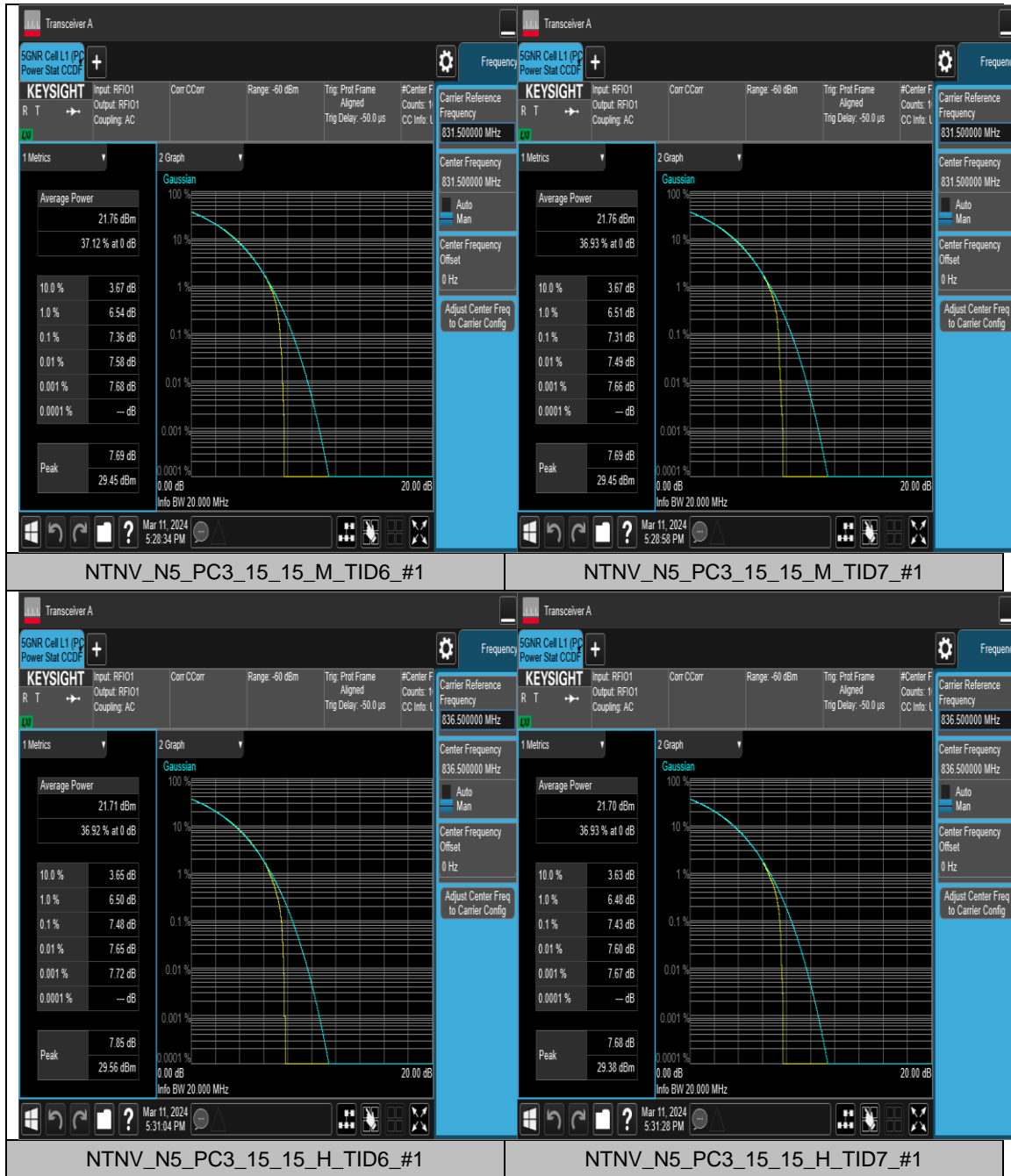
Band	SCS	Bandwidth	Modulation	Channel	RB Config	Result	Limit	Verdict
N5	15	5	CP-QPSK	L	Outer_Full	7.50	≤13	PASS
N5	15	5	CP-16QAM	L	Outer_Full	7.59	≤13	PASS
N5	15	5	CP-QPSK	M	Outer_Full	6.83	≤13	PASS
N5	15	5	CP-16QAM	M	Outer_Full	7.63	≤13	PASS
N5	15	5	CP-QPSK	H	Outer_Full	6.94	≤13	PASS
N5	15	5	CP-16QAM	H	Outer_Full	7.01	≤13	PASS
N5	15	10	CP-QPSK	L	Outer_Full	7.20	≤13	PASS
N5	15	10	CP-16QAM	L	Outer_Full	7.80	≤13	PASS
N5	15	10	CP-QPSK	M	Outer_Full	7.69	≤13	PASS
N5	15	10	CP-16QAM	M	Outer_Full	7.69	≤13	PASS
N5	15	10	CP-QPSK	H	Outer_Full	7.78	≤13	PASS
N5	15	10	CP-16QAM	H	Outer_Full	7.75	≤13	PASS
N5	15	15	CP-QPSK	L	Outer_Full	7.36	≤13	PASS
N5	15	15	CP-16QAM	L	Outer_Full	7.31	≤13	PASS
N5	15	15	CP-QPSK	M	Outer_Full	7.48	≤13	PASS
N5	15	15	CP-16QAM	M	Outer_Full	7.43	≤13	PASS
N5	15	15	CP-QPSK	H	Outer_Full	7.04	≤13	PASS
N5	15	15	CP-16QAM	H	Outer_Full	7.65	≤13	PASS
N5	15	20	CP-QPSK	L	Outer_Full	7.17	≤13	PASS
N5	15	20	CP-16QAM	L	Outer_Full	7.16	≤13	PASS
N5	15	20	CP-QPSK	M	Outer_Full	7.29	≤13	PASS
N5	15	20	CP-16QAM	M	Outer_Full	7.19	≤13	PASS
N5	15	20	CP-QPSK	H	Outer_Full	7.49	≤13	PASS
N5	15	20	CP-16QAM	H	Outer_Full	7.45	≤13	PASS

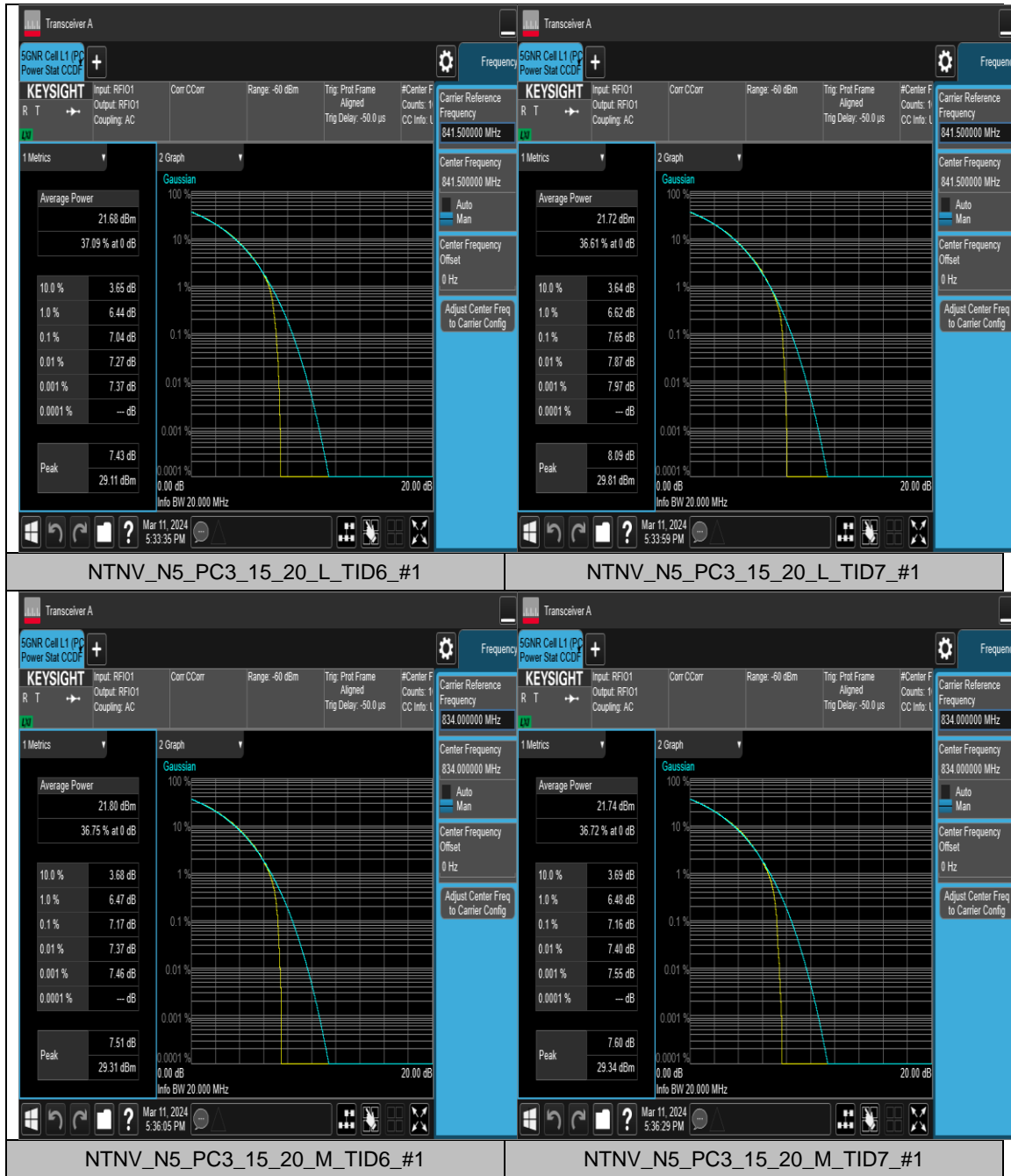
Test Graphs

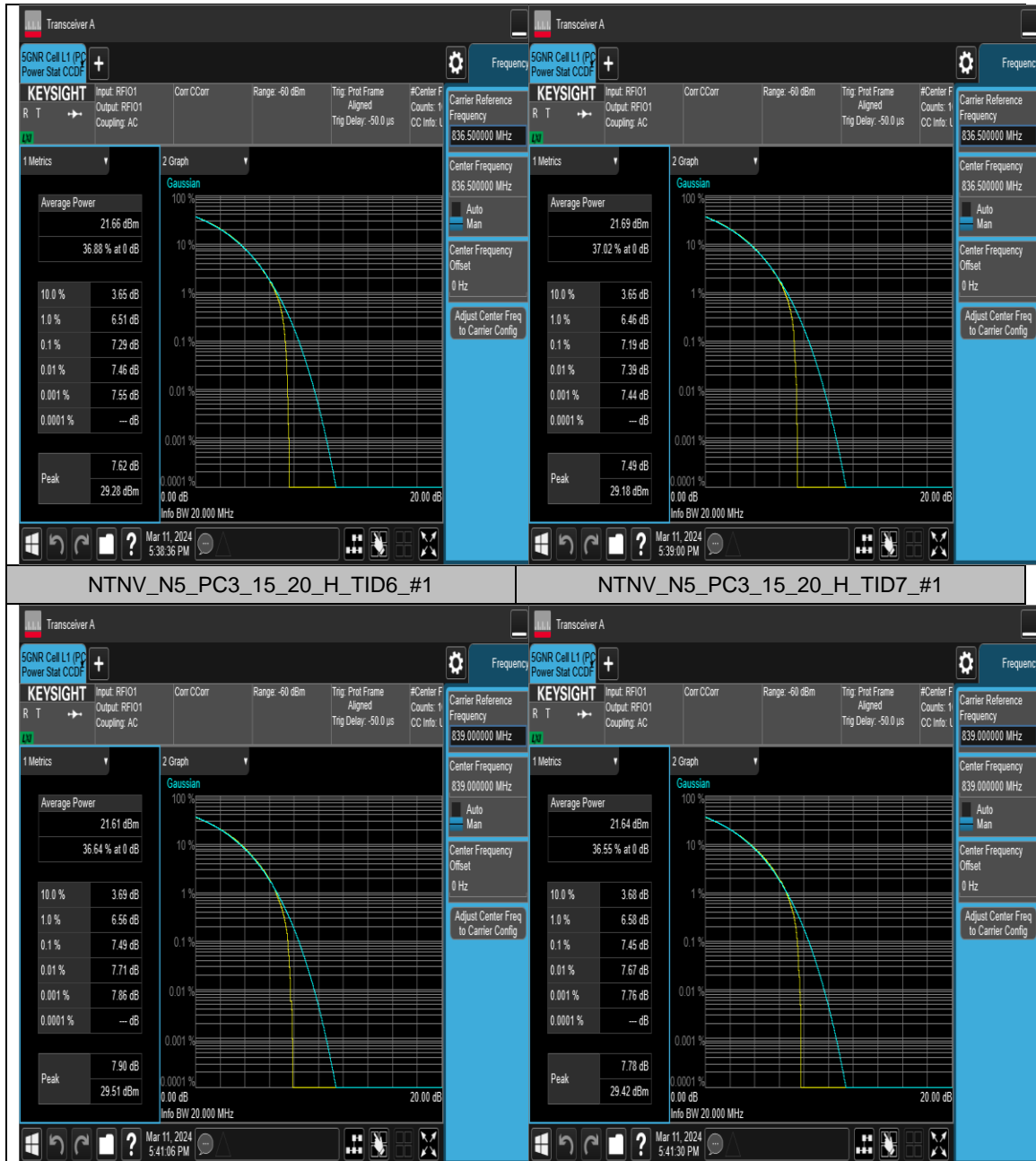








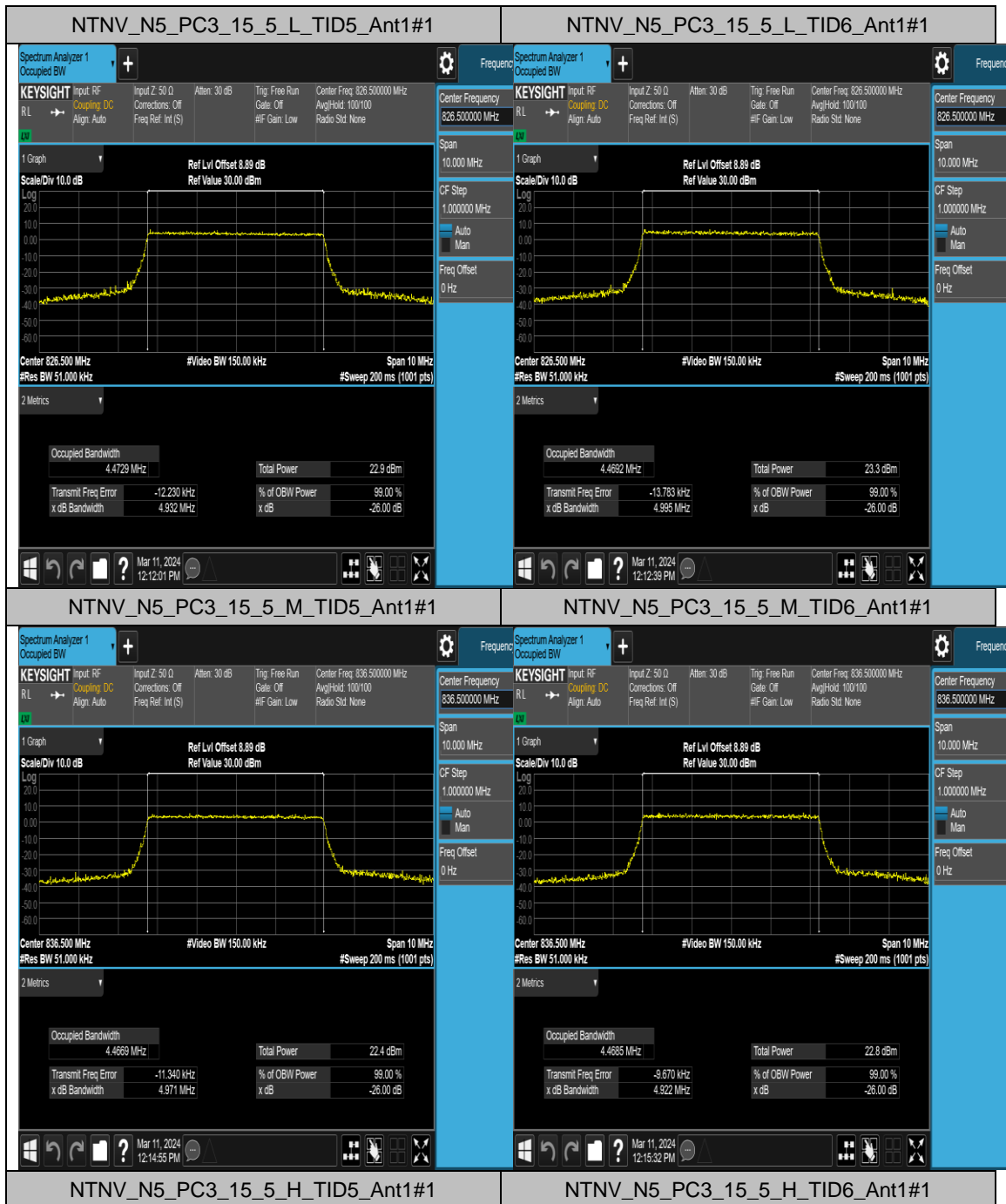


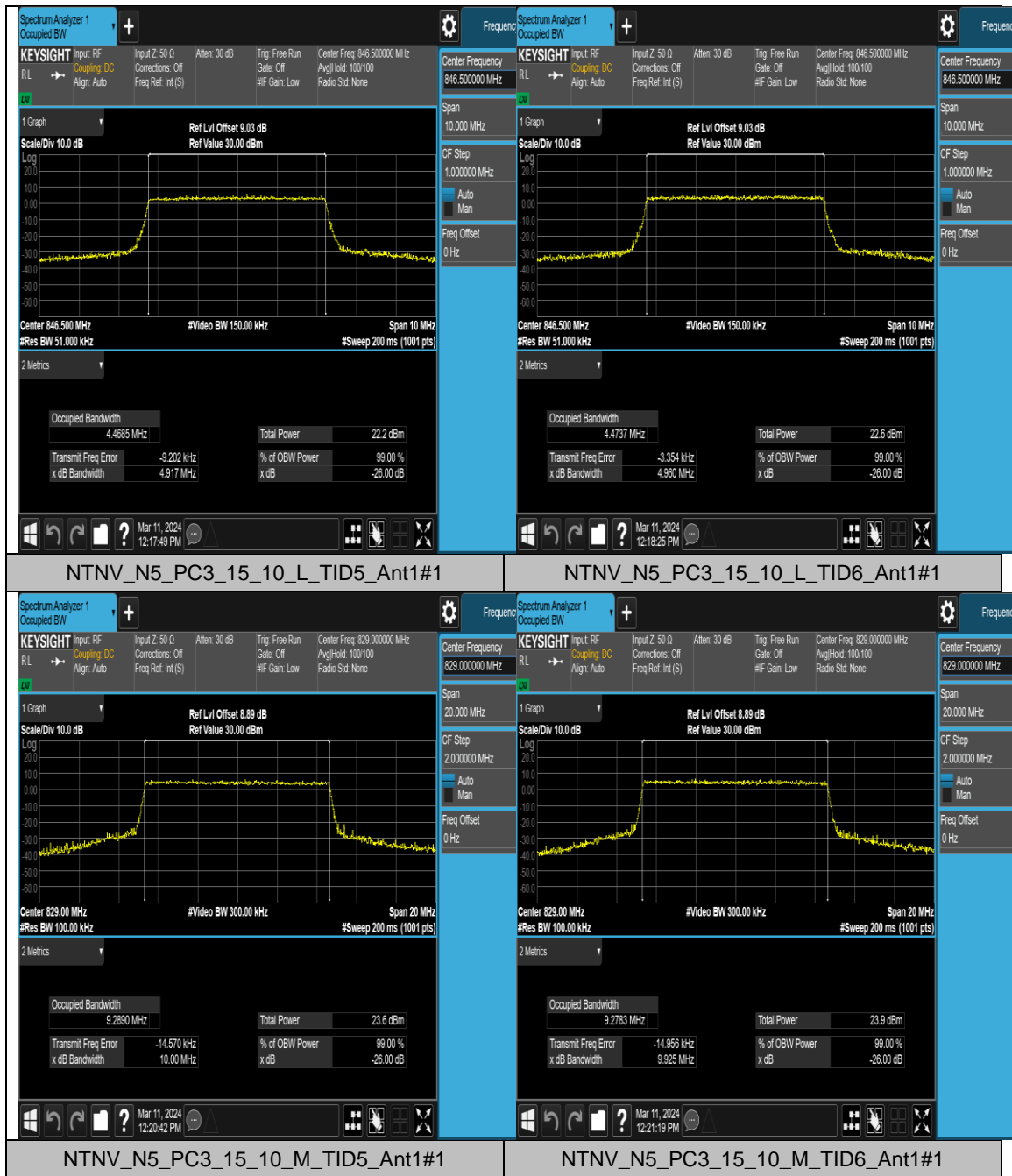


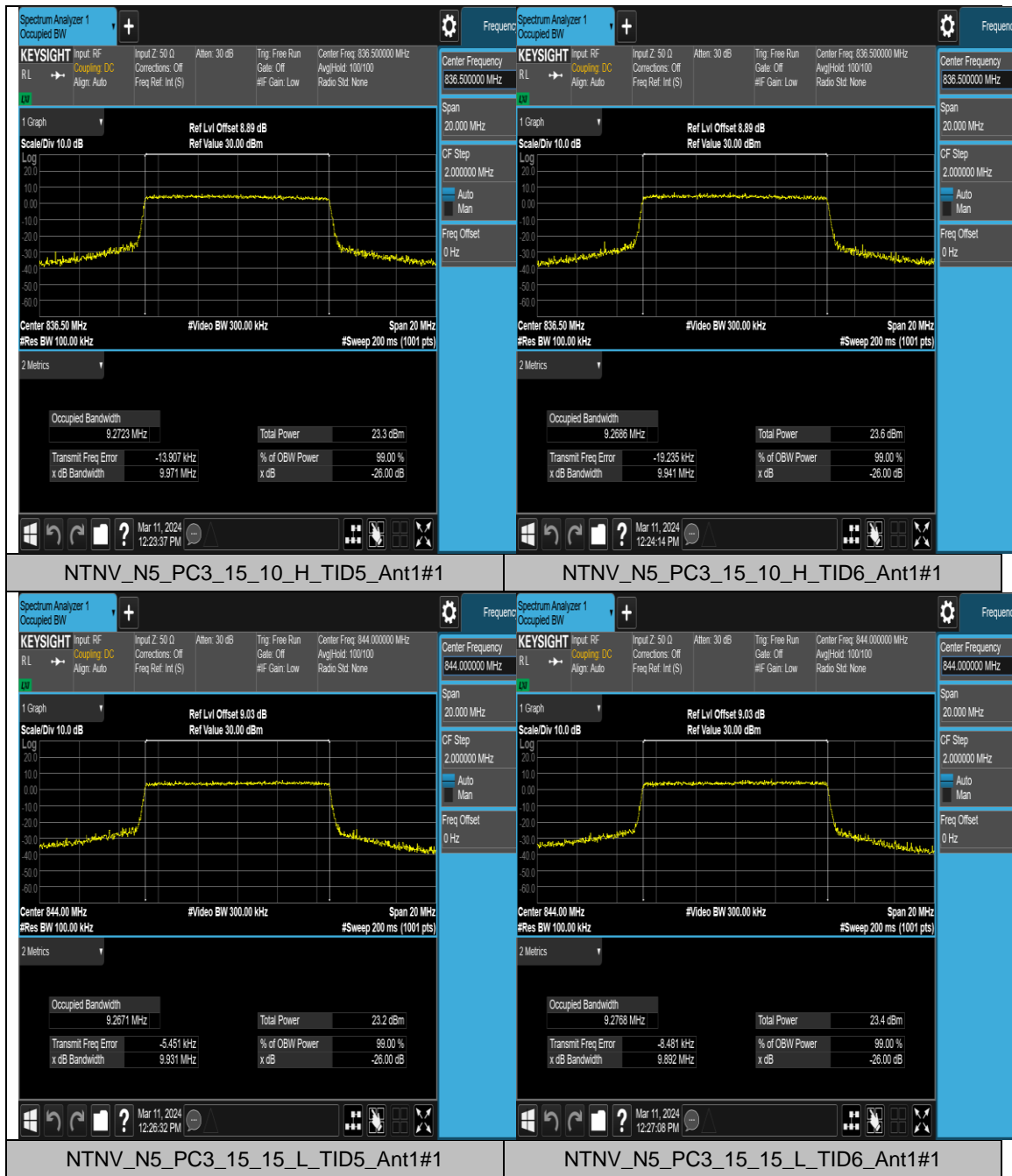
Appendix C: 26dB Bandwidth and Occupied Bandwidth for SA**Test Result**

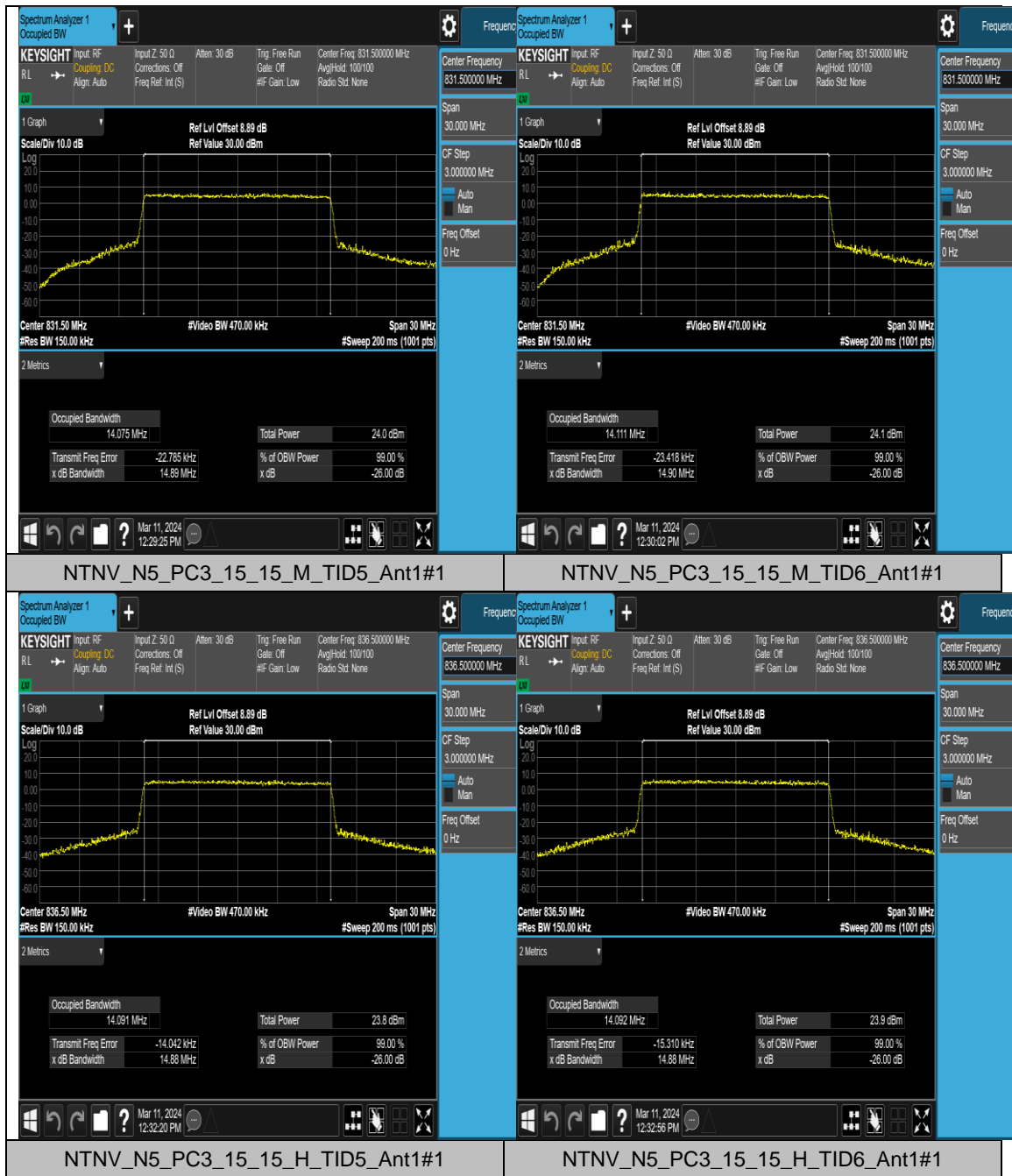
Band	SCS	Bandwidth	Modulation	Channel	RB Config	Result (99%)	Result (26dB)	Verdict
N5	15	5	CP-QPSK	L	Outer_Full	4.4729	4.932	PASS
N5	15	5	CP-16QAM	L	Outer_Full	4.4692	4.995	PASS
N5	15	5	CP-QPSK	M	Outer_Full	4.4669	4.971	PASS
N5	15	5	CP-16QAM	M	Outer_Full	4.4685	4.922	PASS
N5	15	5	CP-QPSK	H	Outer_Full	4.4685	4.917	PASS
N5	15	5	CP-16QAM	H	Outer_Full	4.4737	4.960	PASS
N5	15	10	CP-QPSK	L	Outer_Full	9.2890	10.00	PASS
N5	15	10	CP-16QAM	L	Outer_Full	9.2783	9.925	PASS
N5	15	10	CP-QPSK	M	Outer_Full	9.2723	9.971	PASS
N5	15	10	CP-16QAM	M	Outer_Full	9.2686	9.941	PASS
N5	15	10	CP-QPSK	H	Outer_Full	9.2671	9.931	PASS
N5	15	10	CP-16QAM	H	Outer_Full	9.2768	9.892	PASS
N5	15	15	CP-QPSK	L	Outer_Full	14.075	14.89	PASS
N5	15	15	CP-16QAM	L	Outer_Full	14.111	14.90	PASS
N5	15	15	CP-QPSK	M	Outer_Full	14.091	14.88	PASS
N5	15	15	CP-16QAM	M	Outer_Full	14.092	14.88	PASS
N5	15	15	CP-QPSK	H	Outer_Full	14.113	14.91	PASS
N5	15	15	CP-16QAM	H	Outer_Full	14.093	14.89	PASS
N5	15	20	CP-QPSK	L	Outer_Full	18.877	19.82	PASS
N5	15	20	CP-16QAM	L	Outer_Full	18.891	19.79	PASS
N5	15	20	CP-QPSK	M	Outer_Full	18.896	19.79	PASS
N5	15	20	CP-16QAM	M	Outer_Full	18.900	19.84	PASS
N5	15	20	CP-QPSK	H	Outer_Full	18.875	19.82	PASS
N5	15	20	CP-16QAM	H	Outer_Full	18.877	19.81	PASS

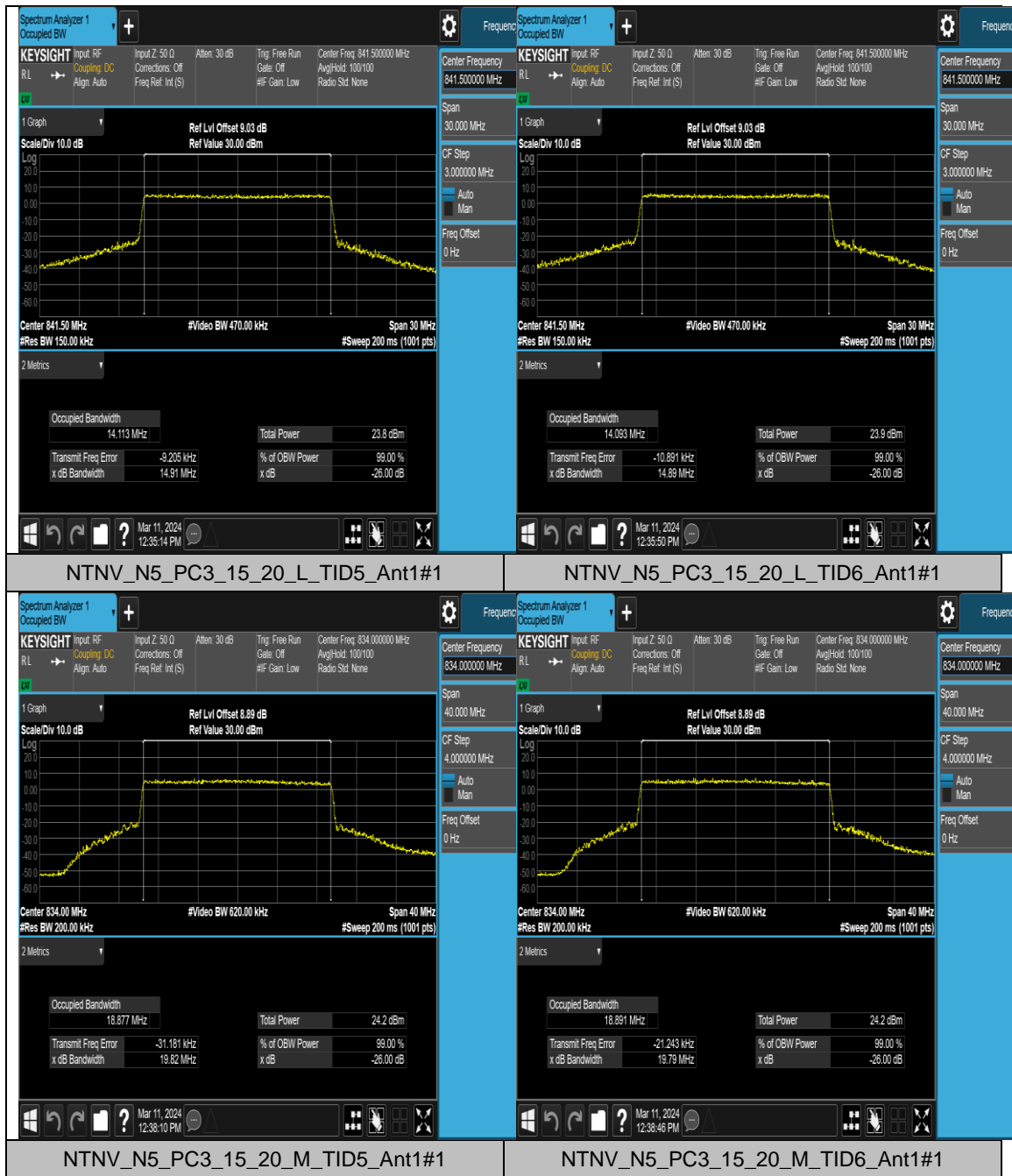
Test Graphs

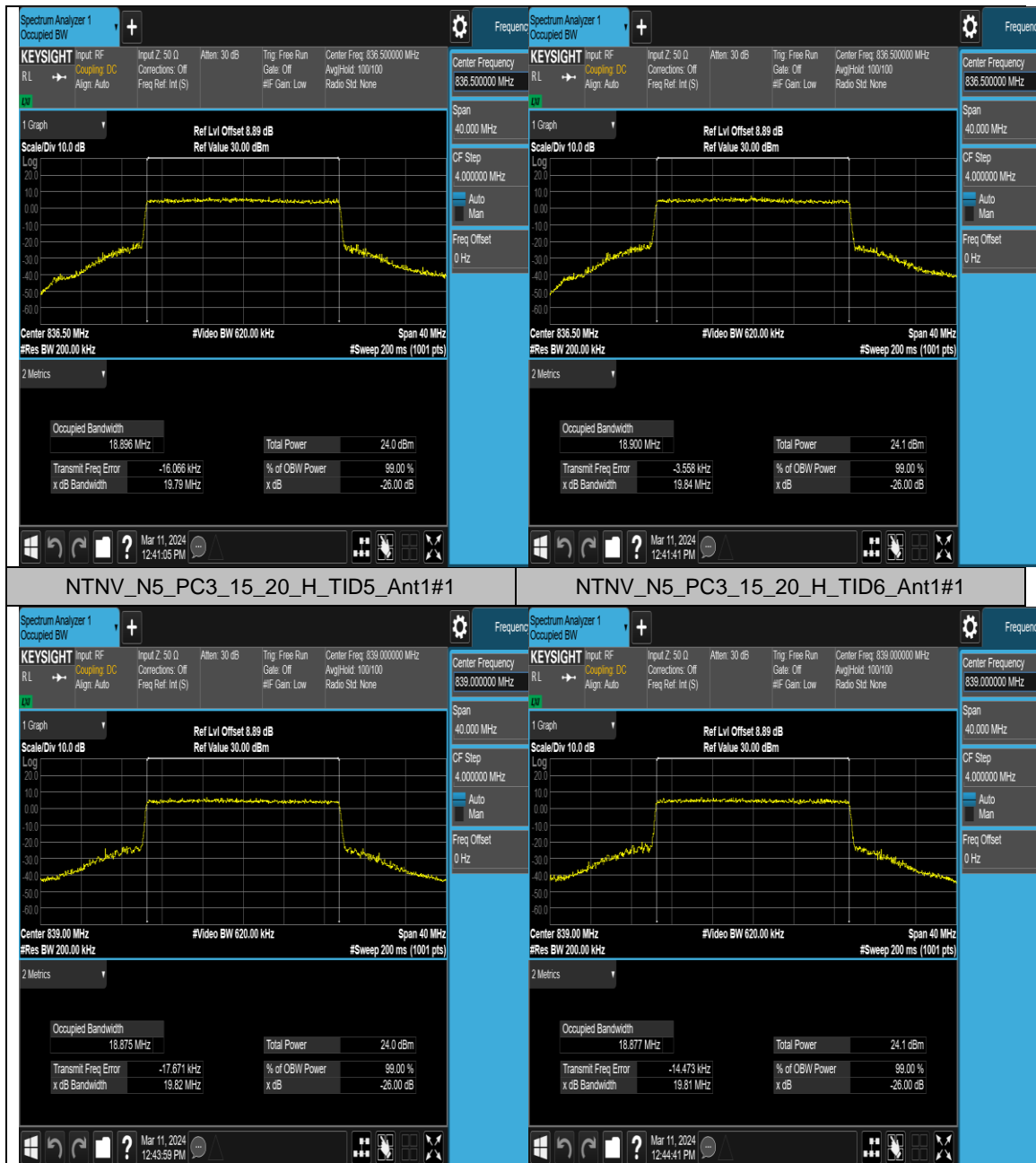












Appendix D: Band Edge for SA

Test Result

Band	SCS	Bandwidth	Modulation	Channel	RB Config	Verdict
N5	15	5	CP-QPSK	L	Outer_Full	PASS
N5	15	5	CP-QPSK	L	Edge_1RB_Left	PASS
N5	15	5	CP-16QAM	L	Outer_Full	PASS
N5	15	5	CP-16QAM	L	Edge_1RB_Left	PASS
N5	15	5	CP-QPSK	H	Outer_Full	PASS
N5	15	5	CP-QPSK	H	Edge_1RB_Right	PASS
N5	15	5	CP-16QAM	H	Outer_Full	PASS
N5	15	5	CP-16QAM	H	Edge_1RB_Right	PASS
N5	15	10	CP-QPSK	L	Outer_Full	PASS
N5	15	10	CP-QPSK	L	Edge_1RB_Left	PASS
N5	15	10	CP-16QAM	L	Outer_Full	PASS
N5	15	10	CP-16QAM	L	Edge_1RB_Left	PASS
N5	15	10	CP-QPSK	H	Outer_Full	PASS
N5	15	10	CP-QPSK	H	Edge_1RB_Right	PASS
N5	15	10	CP-16QAM	H	Outer_Full	PASS
N5	15	10	CP-16QAM	H	Edge_1RB_Right	PASS
N5	15	15	CP-QPSK	L	Outer_Full	PASS
N5	15	15	CP-QPSK	L	Edge_1RB_Left	PASS
N5	15	15	CP-16QAM	L	Outer_Full	PASS
N5	15	15	CP-16QAM	L	Edge_1RB_Left	PASS
N5	15	15	CP-QPSK	H	Outer_Full	PASS
N5	15	15	CP-QPSK	H	Edge_1RB_Right	PASS
N5	15	15	CP-16QAM	H	Outer_Full	PASS
N5	15	15	CP-16QAM	H	Edge_1RB_Right	PASS
N5	15	20	CP-QPSK	L	Outer_Full	PASS
N5	15	20	CP-QPSK	L	Edge_1RB_Left	PASS
N5	15	20	CP-16QAM	L	Outer_Full	PASS
N5	15	20	CP-16QAM	L	Edge_1RB_Left	PASS
N5	15	20	CP-QPSK	H	Outer_Full	PASS
N5	15	20	CP-QPSK	H	Edge_1RB_Right	PASS
N5	15	20	CP-16QAM	H	Outer_Full	PASS
N5	15	20	CP-16QAM	H	Edge_1RB_Right	PASS

Test Graphs

