

Appendix for n5

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
N5	15	5	CP-QPSK	L	Outer_Full	22.05	PC3	PASS
N5	15	5	CP-QPSK	L	Edge_1RB_Left	22.02	PC3	PASS
N5	15	5	CP-QPSK	L	Inner_Full	23.52	PC3	PASS
N5	15	5	CP-QPSK	L	Edge_1RB_Right	21.96	PC3	PASS
N5	15	5	CP-16QAM	L	Outer_Full	22.00	PC3	PASS
N5	15	5	CP-16QAM	L	Edge_1RB_Left	22.16	PC3	PASS
N5	15	5	CP-16QAM	L	Inner_Full	23.05	PC3	PASS
N5	15	5	CP-16QAM	L	Edge_1RB_Right	21.82	PC3	PASS
N5	15	5	CP-QPSK	M	Outer_Full	21.84	PC3	PASS
N5	15	5	CP-QPSK	M	Edge_1RB_Left	21.94	PC3	PASS
N5	15	5	CP-QPSK	M	Inner_Full	23.24	PC3	PASS
N5	15	5	CP-QPSK	M	Edge_1RB_Right	21.79	PC3	PASS
N5	15	5	CP-16QAM	M	Outer_Full	21.81	PC3	PASS
N5	15	5	CP-16QAM	M	Edge_1RB_Left	22.00	PC3	PASS
N5	15	5	CP-16QAM	M	Inner_Full	22.69	PC3	PASS
N5	15	5	CP-16QAM	M	Edge_1RB_Right	21.75	PC3	PASS
N5	15	5	CP-QPSK	H	Outer_Full	21.70	PC3	PASS
N5	15	5	CP-QPSK	H	Edge_1RB_Left	21.78	PC3	PASS
N5	15	5	CP-QPSK	H	Inner_Full	23.19	PC3	PASS
N5	15	5	CP-QPSK	H	Edge_1RB_Right	21.60	PC3	PASS
N5	15	5	CP-16QAM	H	Outer_Full	21.72	PC3	PASS
N5	15	5	CP-16QAM	H	Edge_1RB_Left	21.32	PC3	PASS
N5	15	5	CP-16QAM	H	Inner_Full	22.80	PC3	PASS
N5	15	5	CP-16QAM	H	Edge_1RB_Right	21.60	PC3	PASS
N5	15	10	CP-QPSK	L	Outer_Full	22.01	PC3	PASS
N5	15	10	CP-QPSK	L	Edge_1RB_Left	22.01	PC3	PASS
N5	15	10	CP-QPSK	L	Inner_Full	23.50	PC3	PASS
N5	15	10	CP-QPSK	L	Edge_1RB_Right	21.70	PC3	PASS
N5	15	10	CP-16QAM	L	Outer_Full	21.94	PC3	PASS
N5	15	10	CP-16QAM	L	Edge_1RB_Left	21.76	PC3	PASS
N5	15	10	CP-16QAM	L	Inner_Full	23.00	PC3	PASS
N5	15	10	CP-16QAM	L	Edge_1RB_Right	21.76	PC3	PASS
N5	15	10	CP-QPSK	M	Outer_Full	21.84	PC3	PASS
N5	15	10	CP-QPSK	M	Edge_1RB_Left	21.79	PC3	PASS
N5	15	10	CP-QPSK	M	Inner_Full	23.32	PC3	PASS

N5	15	10	CP-QPSK	M	Edge_1RB_Right	21.71	PC3	PASS
N5	15	10	CP-16QAM	M	Outer_Full	21.80	PC3	PASS
N5	15	10	CP-16QAM	M	Edge_1RB_Left	21.68	PC3	PASS
N5	15	10	CP-16QAM	M	Inner_Full	22.83	PC3	PASS
N5	15	10	CP-16QAM	M	Edge_1RB_Right	21.63	PC3	PASS
N5	15	10	CP-QPSK	H	Outer_Full	21.73	PC3	PASS
N5	15	10	CP-QPSK	H	Edge_1RB_Left	21.66	PC3	PASS
N5	15	10	CP-QPSK	H	Inner_Full	23.25	PC3	PASS
N5	15	10	CP-QPSK	H	Edge_1RB_Right	21.63	PC3	PASS
N5	15	10	CP-16QAM	H	Outer_Full	21.67	PC3	PASS
N5	15	10	CP-16QAM	H	Edge_1RB_Left	21.88	PC3	PASS
N5	15	10	CP-16QAM	H	Inner_Full	22.81	PC3	PASS
N5	15	10	CP-16QAM	H	Edge_1RB_Right	21.48	PC3	PASS
N5	15	15	CP-QPSK	L	Outer_Full	21.86	PC3	PASS
N5	15	15	CP-QPSK	L	Edge_1RB_Left	22.00	PC3	PASS
N5	15	15	CP-QPSK	L	Inner_Full	23.37	PC3	PASS
N5	15	15	CP-QPSK	L	Edge_1RB_Right	21.67	PC3	PASS
N5	15	15	CP-16QAM	L	Outer_Full	21.85	PC3	PASS
N5	15	15	CP-16QAM	L	Edge_1RB_Left	22.03	PC3	PASS
N5	15	15	CP-16QAM	L	Inner_Full	22.88	PC3	PASS
N5	15	15	CP-16QAM	L	Edge_1RB_Right	21.76	PC3	PASS
N5	15	15	CP-QPSK	M	Outer_Full	21.81	PC3	PASS
N5	15	15	CP-QPSK	M	Edge_1RB_Left	21.87	PC3	PASS
N5	15	15	CP-QPSK	M	Inner_Full	23.33	PC3	PASS
N5	15	15	CP-QPSK	M	Edge_1RB_Right	21.61	PC3	PASS
N5	15	15	CP-16QAM	M	Outer_Full	21.83	PC3	PASS
N5	15	15	CP-16QAM	M	Edge_1RB_Left	21.54	PC3	PASS
N5	15	15	CP-16QAM	M	Inner_Full	22.86	PC3	PASS
N5	15	15	CP-16QAM	M	Edge_1RB_Right	21.62	PC3	PASS
N5	15	15	CP-QPSK	H	Outer_Full	21.80	PC3	PASS
N5	15	15	CP-QPSK	H	Edge_1RB_Left	21.80	PC3	PASS
N5	15	15	CP-QPSK	H	Inner_Full	23.32	PC3	PASS
N5	15	15	CP-QPSK	H	Edge_1RB_Right	21.69	PC3	PASS
N5	15	15	CP-16QAM	H	Outer_Full	21.79	PC3	PASS
N5	15	15	CP-16QAM	H	Edge_1RB_Left	21.79	PC3	PASS
N5	15	15	CP-16QAM	H	Inner_Full	22.78	PC3	PASS
N5	15	15	CP-16QAM	H	Edge_1RB_Right	21.84	PC3	PASS
N5	15	20	CP-QPSK	L	Outer_Full	21.82	PC3	PASS
N5	15	20	CP-QPSK	L	Edge_1RB_Left	21.97	PC3	PASS
N5	15	20	CP-QPSK	L	Inner_Full	23.32	PC3	PASS
N5	15	20	CP-QPSK	L	Edge_1RB_Right	21.67	PC3	PASS
N5	15	20	CP-16QAM	L	Outer_Full	21.84	PC3	PASS

N5	15	20	CP-16QAM	L	Edge_1RB_Left	22.05	PC3	PASS
N5	15	20	CP-16QAM	L	Inner_Full	22.87	PC3	PASS
N5	15	20	CP-16QAM	L	Edge_1RB_Right	21.63	PC3	PASS
N5	15	20	CP-QPSK	M	Outer_Full	21.79	PC3	PASS
N5	15	20	CP-QPSK	M	Edge_1RB_Left	21.99	PC3	PASS
N5	15	20	CP-QPSK	M	Inner_Full	23.53	PC3	PASS
N5	15	20	CP-QPSK	M	Edge_1RB_Right	21.56	PC3	PASS
N5	15	20	CP-16QAM	M	Outer_Full	21.76	PC3	PASS
N5	15	20	CP-16QAM	M	Edge_1RB_Left	21.92	PC3	PASS
N5	15	20	CP-16QAM	M	Inner_Full	22.91	PC3	PASS
N5	15	20	CP-16QAM	M	Edge_1RB_Right	21.73	PC3	PASS
N5	15	20	CP-QPSK	H	Outer_Full	21.71	PC3	PASS
N5	15	20	CP-QPSK	H	Edge_1RB_Left	21.75	PC3	PASS
N5	15	20	CP-QPSK	H	Inner_Full	23.24	PC3	PASS
N5	15	20	CP-QPSK	H	Edge_1RB_Right	21.60	PC3	PASS
N5	15	20	CP-16QAM	H	Outer_Full	21.75	PC3	PASS
N5	15	20	CP-16QAM	H	Edge_1RB_Left	22.02	PC3	PASS
N5	15	20	CP-16QAM	H	Inner_Full	22.80	PC3	PASS
N5	15	20	CP-16QAM	H	Edge_1RB_Right	21.69	PC3	PASS

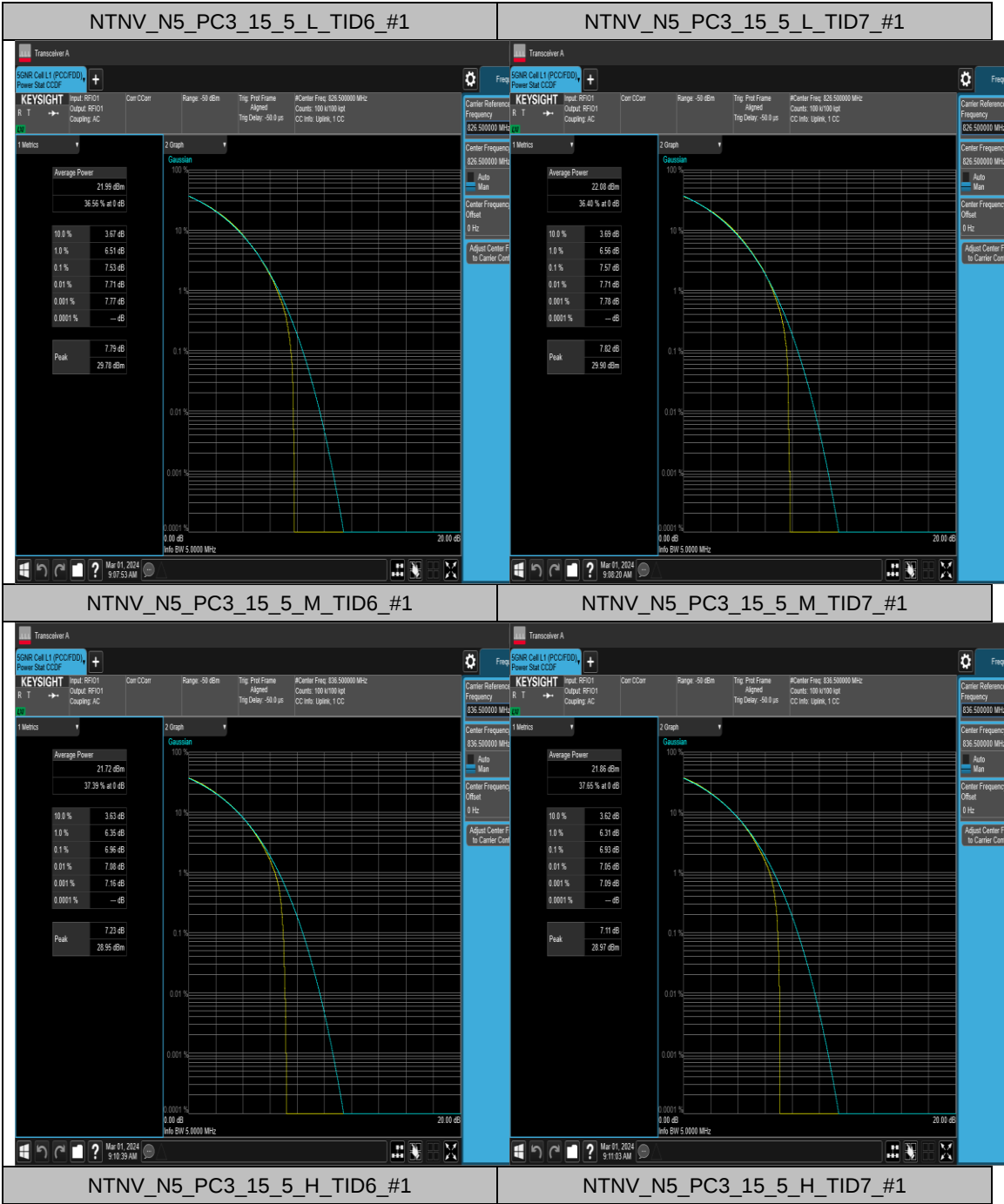
Appendix B: Peak-to-Average Ratio for SA

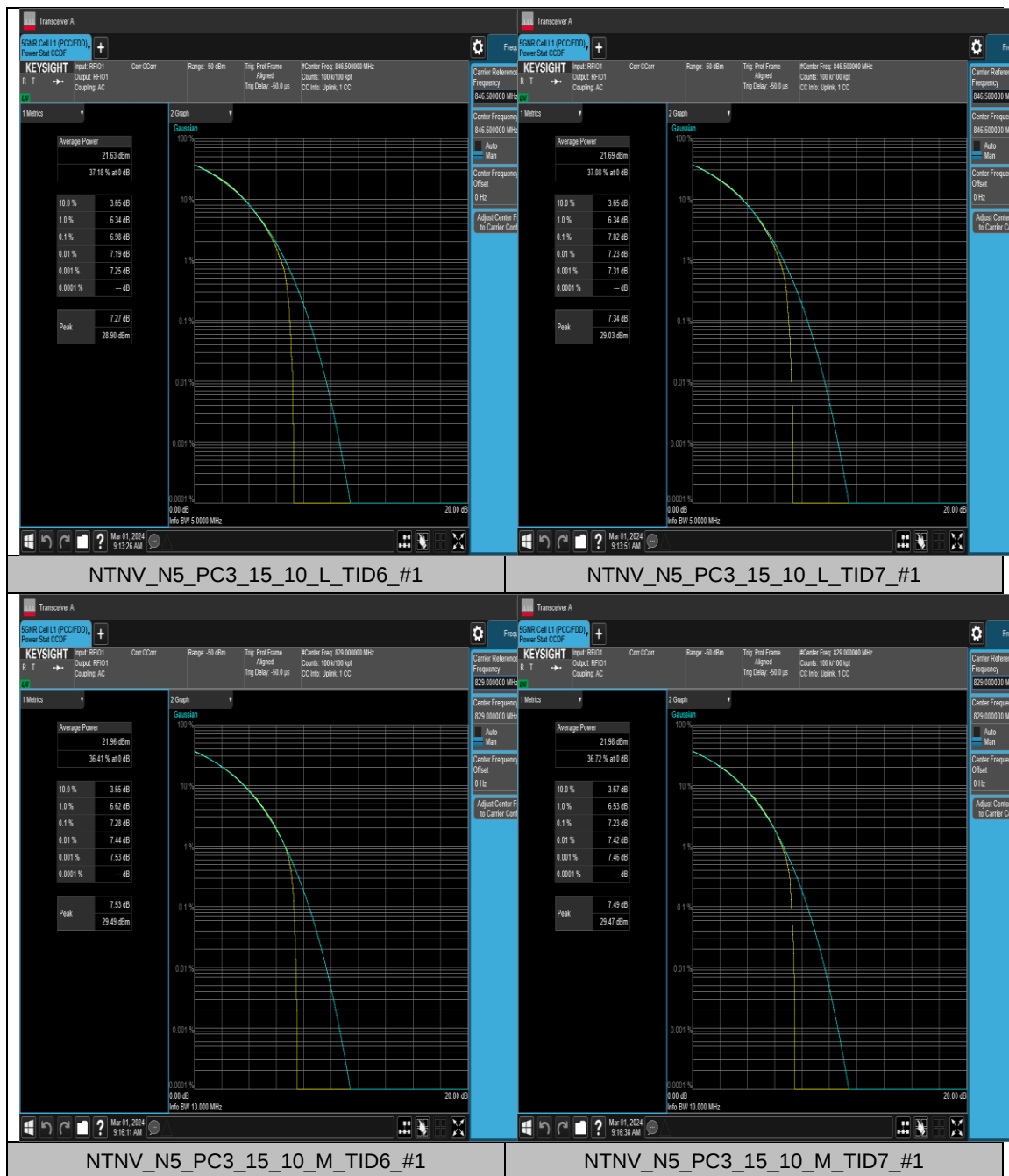
Peak-to-Average Ratio(CCDF)

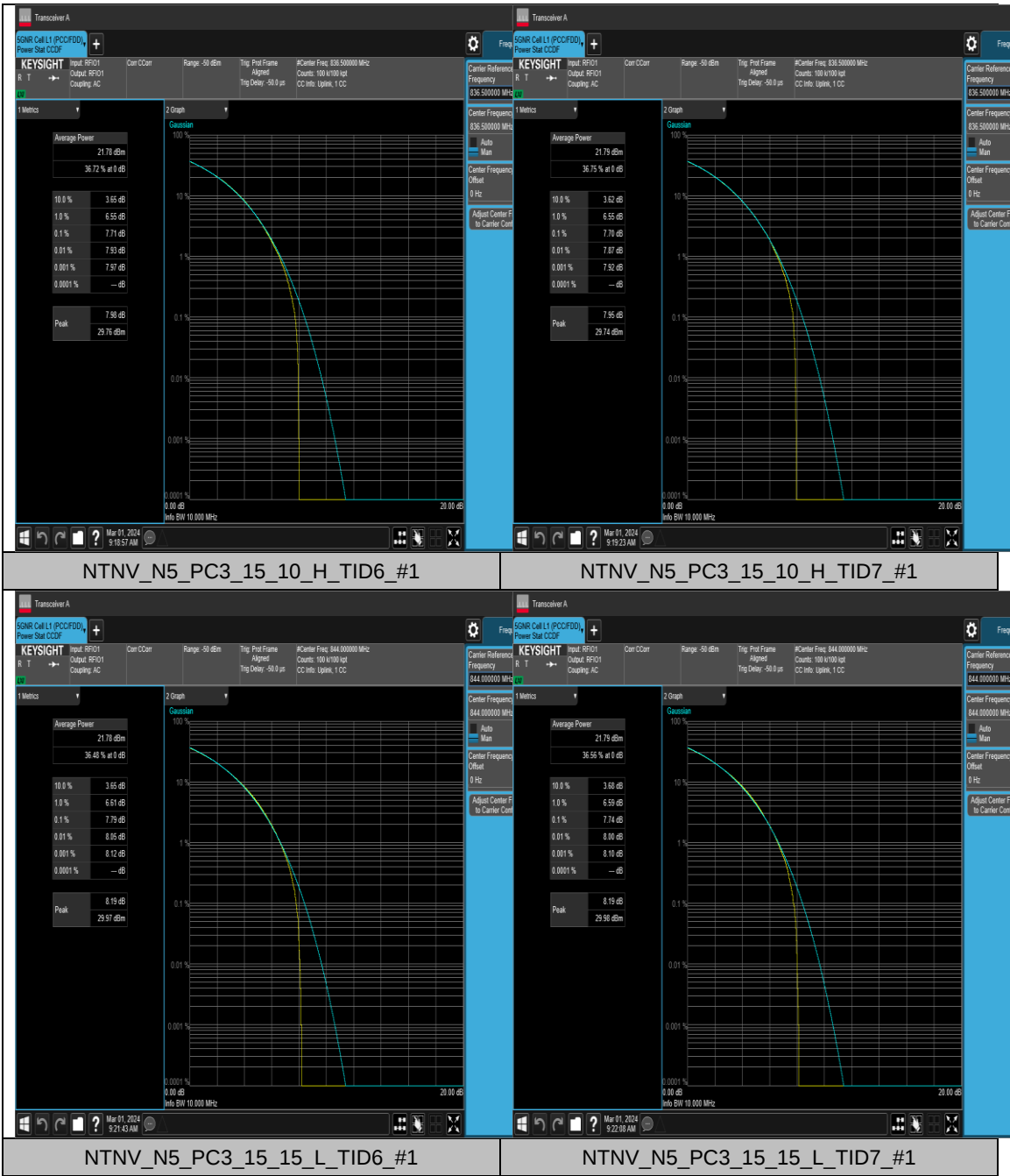
Test Result

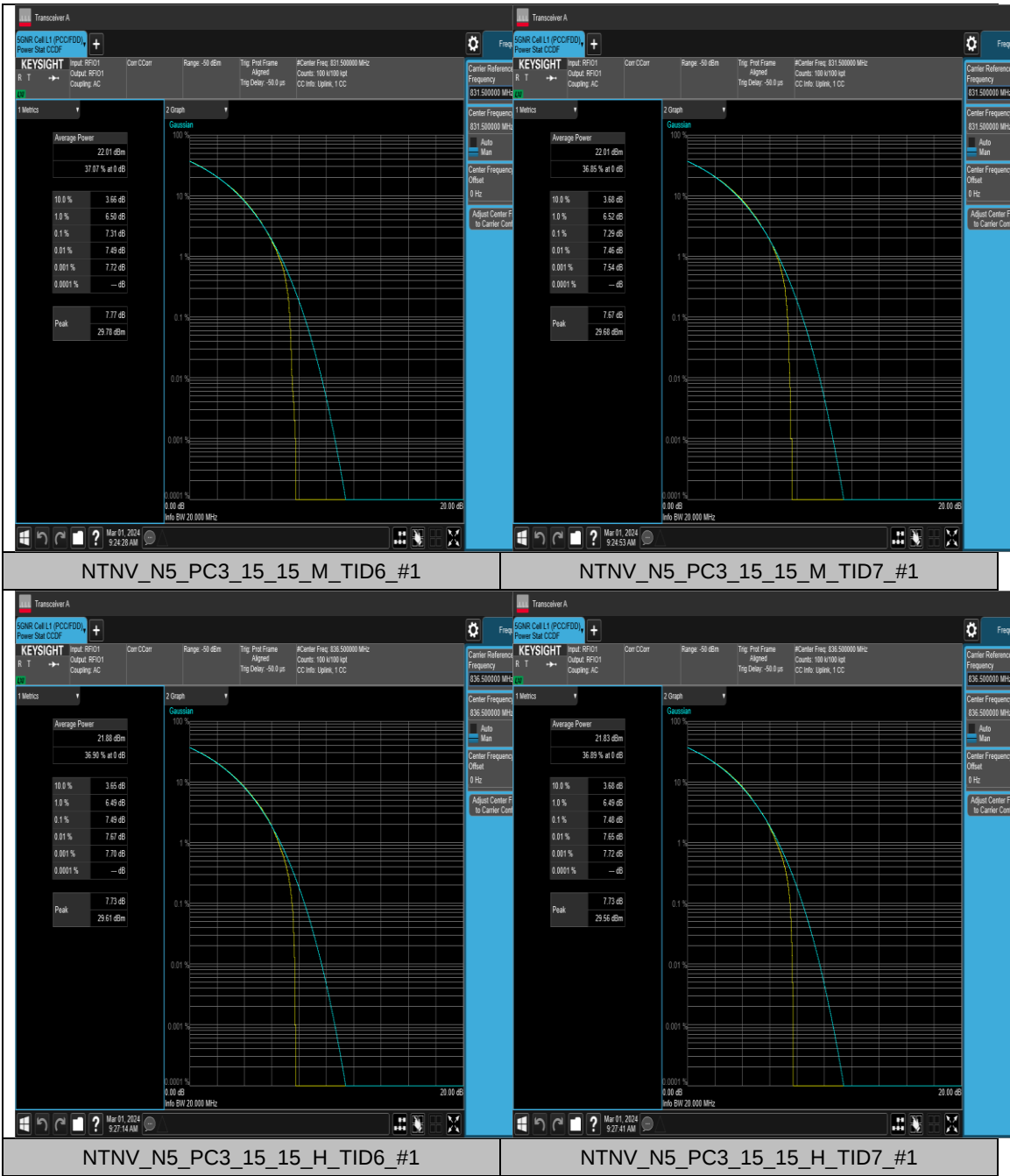
Band	SCS	Bandwidth	Modulation	Channel	RB Config	Result	Limit	Verdict
N5	15	5	CP-QPSK	L	Outer_Full	7.53	≤13	PASS
N5	15	5	CP-16QAM	L	Outer_Full	7.57	≤13	PASS
N5	15	5	CP-QPSK	M	Outer_Full	6.96	≤13	PASS
N5	15	5	CP-16QAM	M	Outer_Full	6.93	≤13	PASS
N5	15	5	CP-QPSK	H	Outer_Full	6.98	≤13	PASS
N5	15	5	CP-16QAM	H	Outer_Full	7.02	≤13	PASS
N5	15	10	CP-QPSK	L	Outer_Full	7.28	≤13	PASS
N5	15	10	CP-16QAM	L	Outer_Full	7.23	≤13	PASS
N5	15	10	CP-QPSK	M	Outer_Full	7.71	≤13	PASS
N5	15	10	CP-16QAM	M	Outer_Full	7.70	≤13	PASS
N5	15	10	CP-QPSK	H	Outer_Full	7.79	≤13	PASS
N5	15	10	CP-16QAM	H	Outer_Full	7.74	≤13	PASS
N5	15	15	CP-QPSK	L	Outer_Full	7.31	≤13	PASS
N5	15	15	CP-16QAM	L	Outer_Full	7.29	≤13	PASS
N5	15	15	CP-QPSK	M	Outer_Full	7.49	≤13	PASS
N5	15	15	CP-16QAM	M	Outer_Full	7.48	≤13	PASS
N5	15	15	CP-QPSK	H	Outer_Full	7.85	≤13	PASS
N5	15	15	CP-16QAM	H	Outer_Full	7.88	≤13	PASS
N5	15	20	CP-QPSK	L	Outer_Full	7.45	≤13	PASS
N5	15	20	CP-16QAM	L	Outer_Full	8.03	≤13	PASS
N5	15	20	CP-QPSK	M	Outer_Full	7.36	≤13	PASS
N5	15	20	CP-16QAM	M	Outer_Full	7.41	≤13	PASS
N5	15	20	CP-QPSK	H	Outer_Full	7.55	≤13	PASS
N5	15	20	CP-16QAM	H	Outer_Full	7.55	≤13	PASS

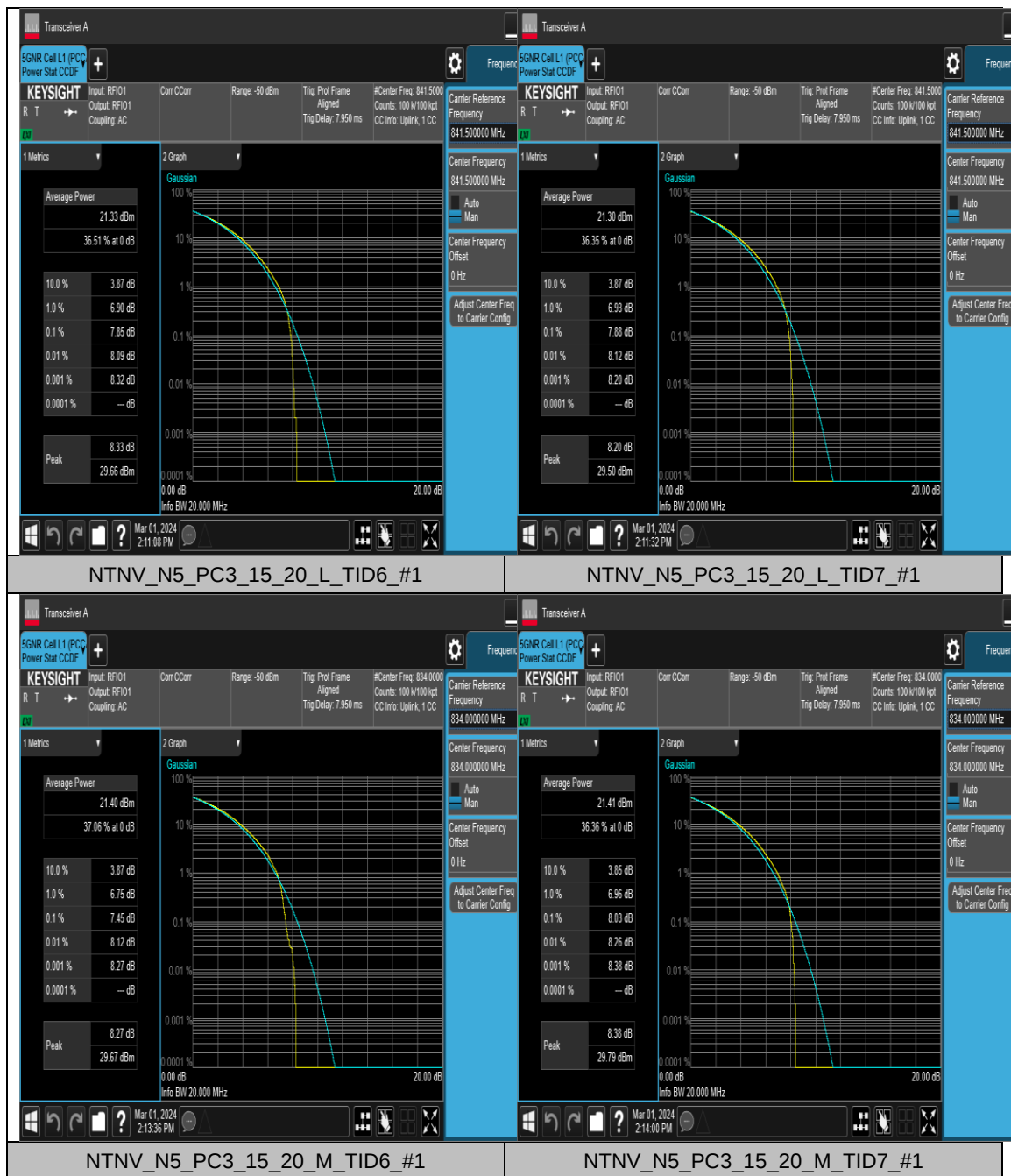
Test Graphs

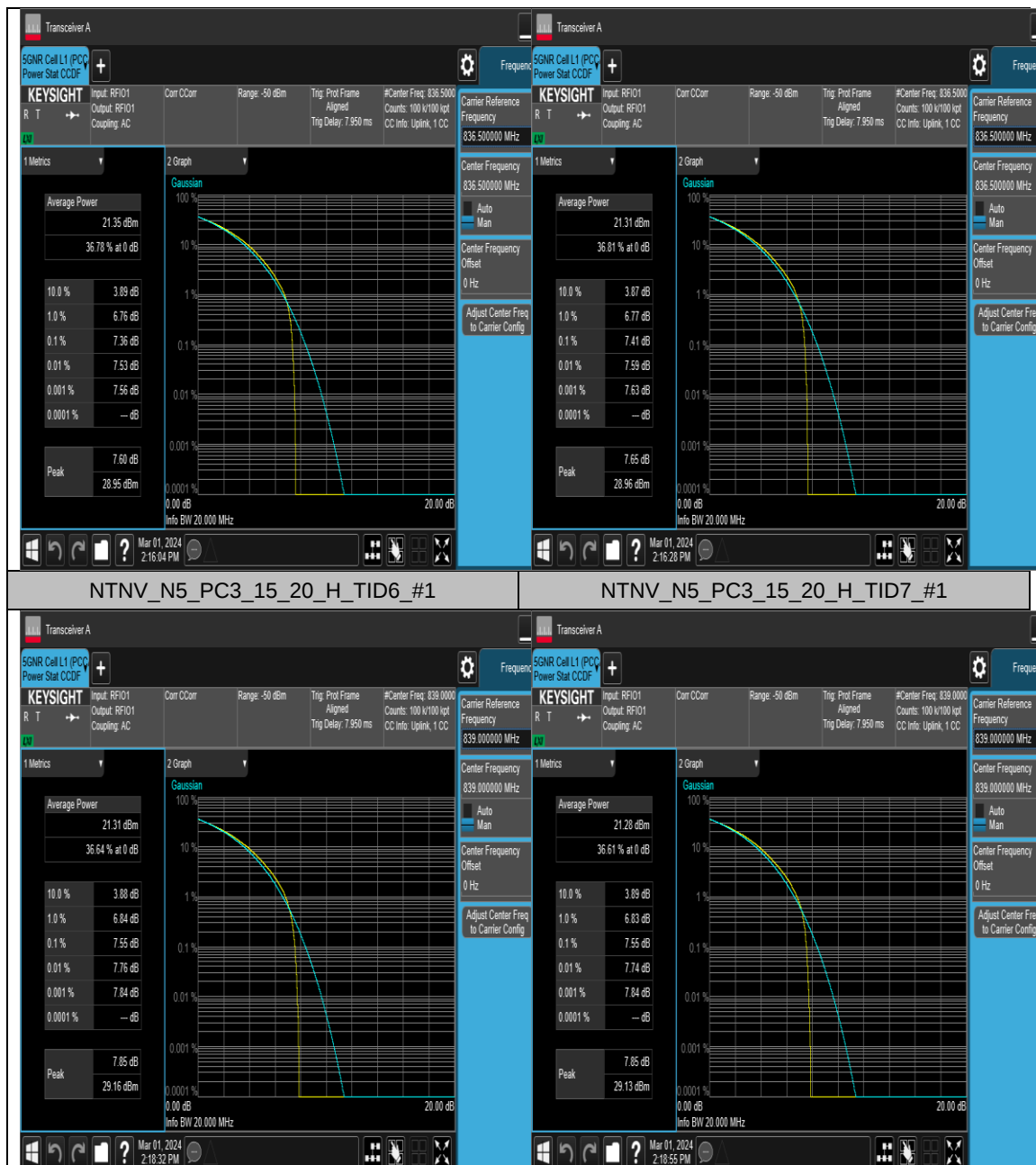










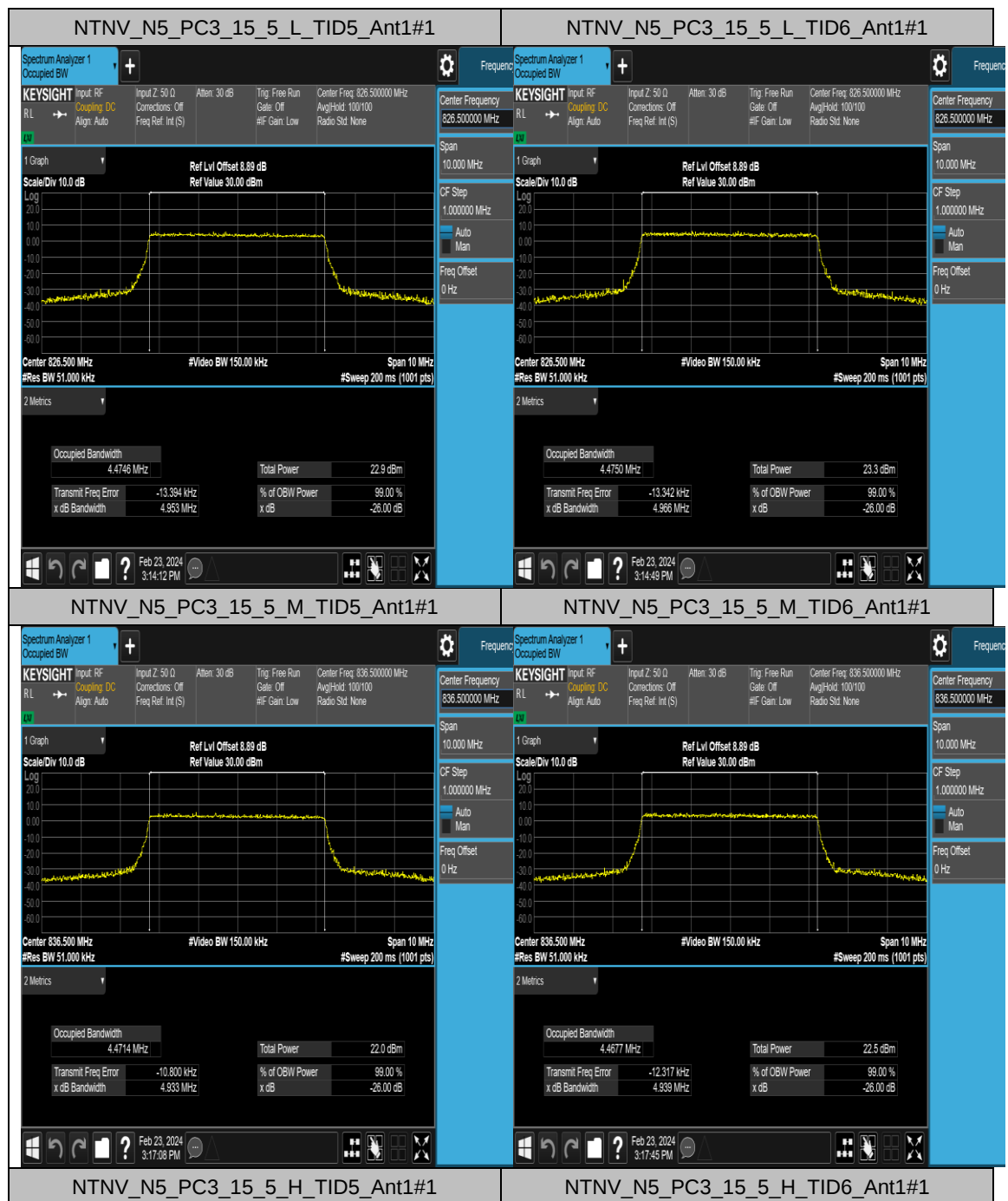


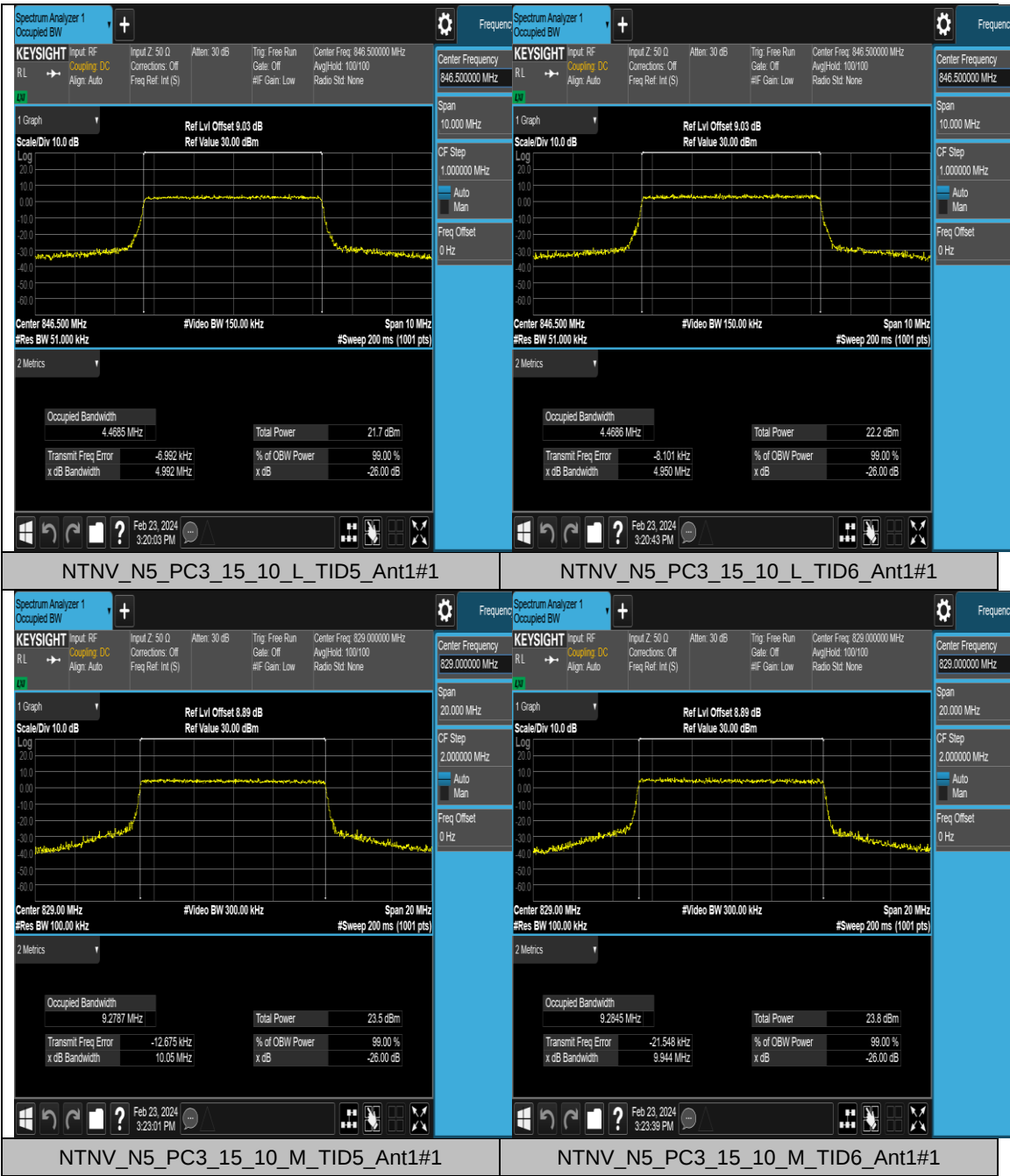
Appendix C: 26dB Bandwidth and Occupied Bandwidth for SA

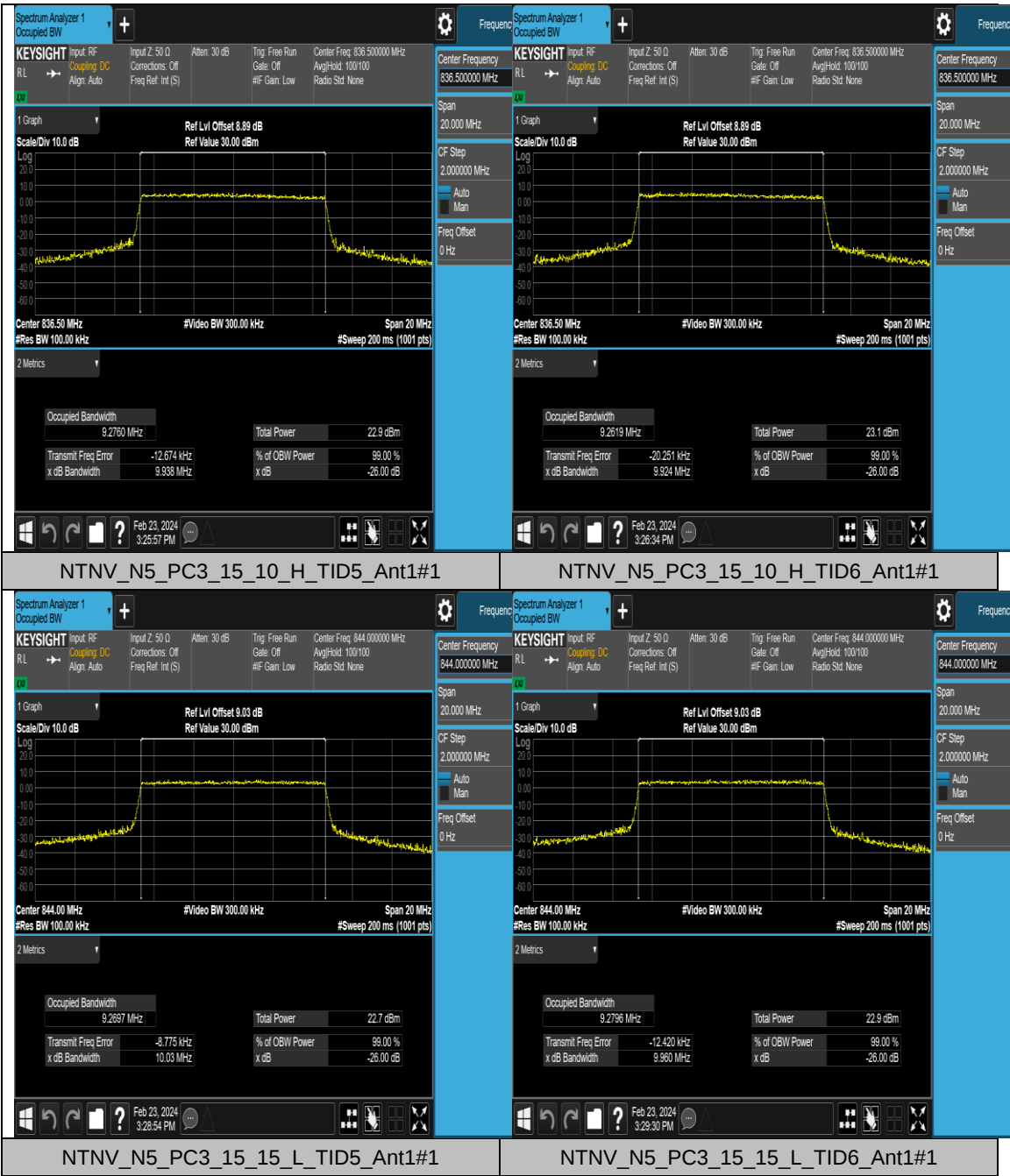
Test Result

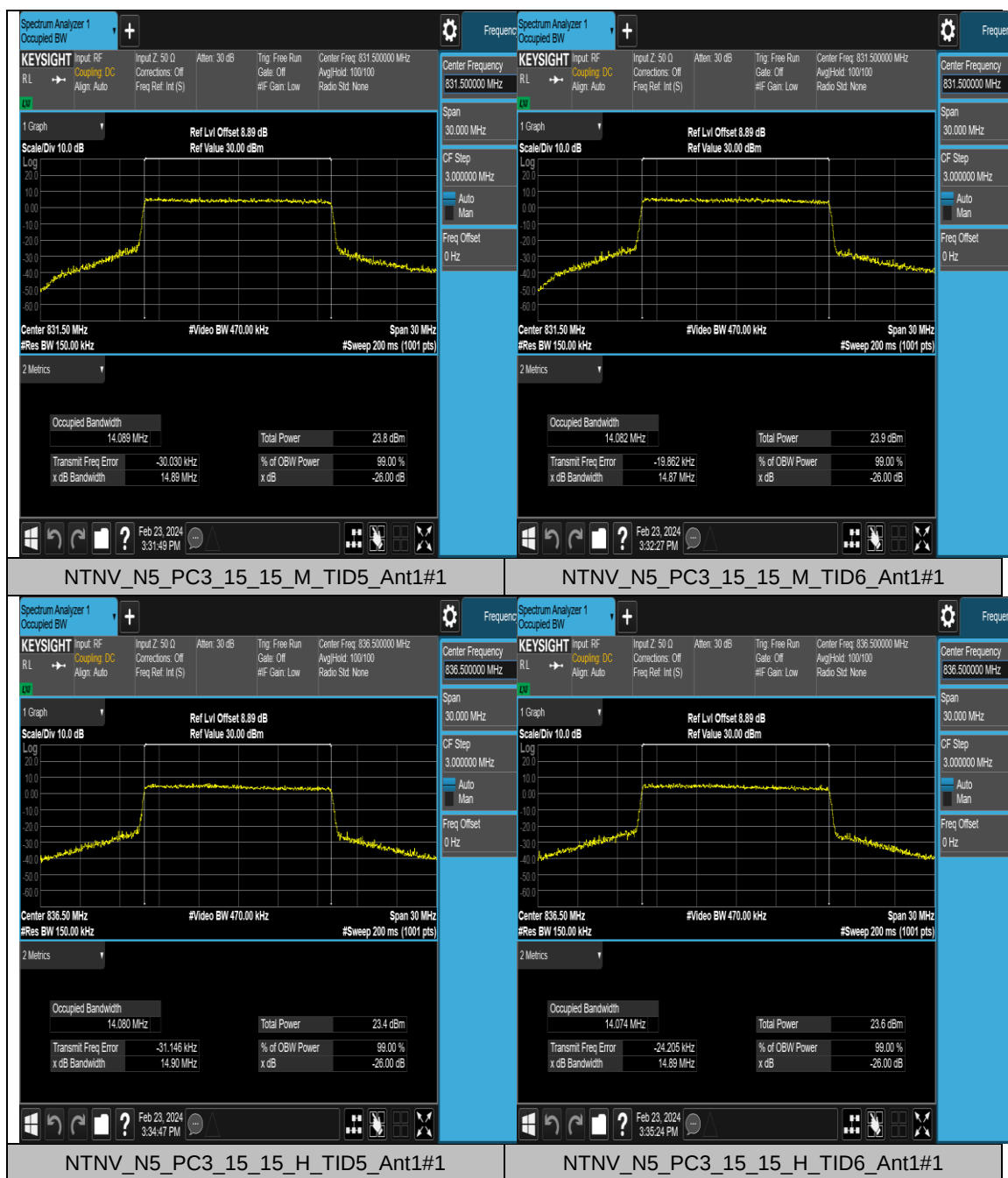
Band	SCS	Bandwidth	Modulation	Channel	RB Config	Result (99%)	Result (26dB)	Verdict
N5	15	5	CP-QPSK	L	Outer_Full	4.4746	4.953	PASS
N5	15	5	CP-16QAM	L	Outer_Full	4.4750	4.966	PASS
N5	15	5	CP-QPSK	M	Outer_Full	4.4714	4.933	PASS
N5	15	5	CP-16QAM	M	Outer_Full	4.4677	4.939	PASS
N5	15	5	CP-QPSK	H	Outer_Full	4.4685	4.992	PASS
N5	15	5	CP-16QAM	H	Outer_Full	4.4686	4.950	PASS
N5	15	10	CP-QPSK	L	Outer_Full	9.2787	10.05	PASS
N5	15	10	CP-16QAM	L	Outer_Full	9.2845	9.944	PASS
N5	15	10	CP-QPSK	M	Outer_Full	9.2760	9.938	PASS
N5	15	10	CP-16QAM	M	Outer_Full	9.2619	9.924	PASS
N5	15	10	CP-QPSK	H	Outer_Full	9.2697	10.03	PASS
N5	15	10	CP-16QAM	H	Outer_Full	9.2796	9.960	PASS
N5	15	15	CP-QPSK	L	Outer_Full	14.089	14.89	PASS
N5	15	15	CP-16QAM	L	Outer_Full	14.082	14.87	PASS
N5	15	15	CP-QPSK	M	Outer_Full	14.080	14.90	PASS
N5	15	15	CP-16QAM	M	Outer_Full	14.074	14.89	PASS
N5	15	15	CP-QPSK	H	Outer_Full	14.105	14.93	PASS
N5	15	15	CP-16QAM	H	Outer_Full	14.114	14.92	PASS
N5	15	20	CP-QPSK	L	Outer_Full	18.882	19.81	PASS
N5	15	20	CP-16QAM	L	Outer_Full	18.899	19.84	PASS
N5	15	20	CP-QPSK	M	Outer_Full	18.883	19.78	PASS
N5	15	20	CP-16QAM	M	Outer_Full	18.870	19.78	PASS
N5	15	20	CP-QPSK	H	Outer_Full	18.889	19.72	PASS
N5	15	20	CP-16QAM	H	Outer_Full	18.892	19.79	PASS

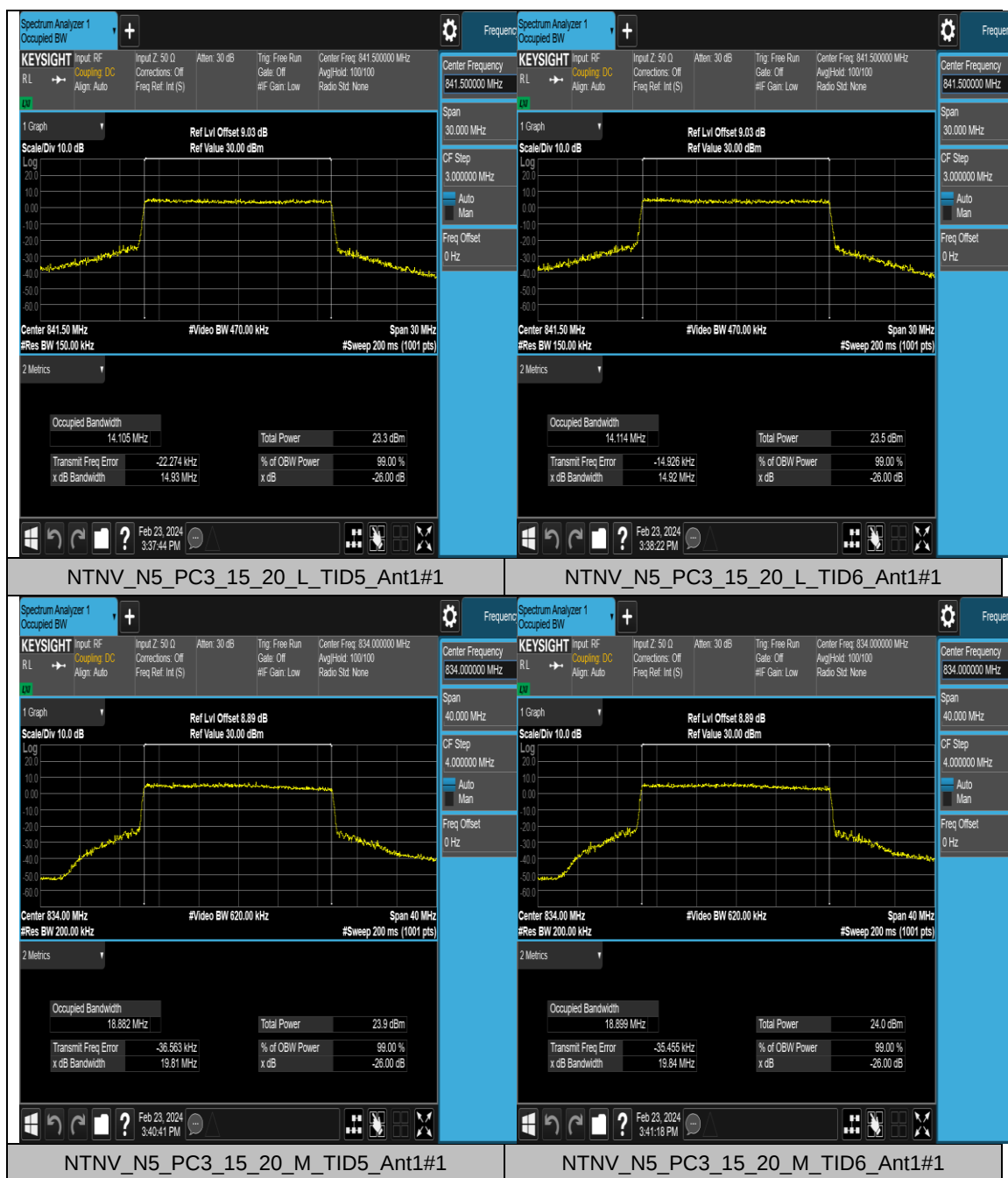
Test Graphs

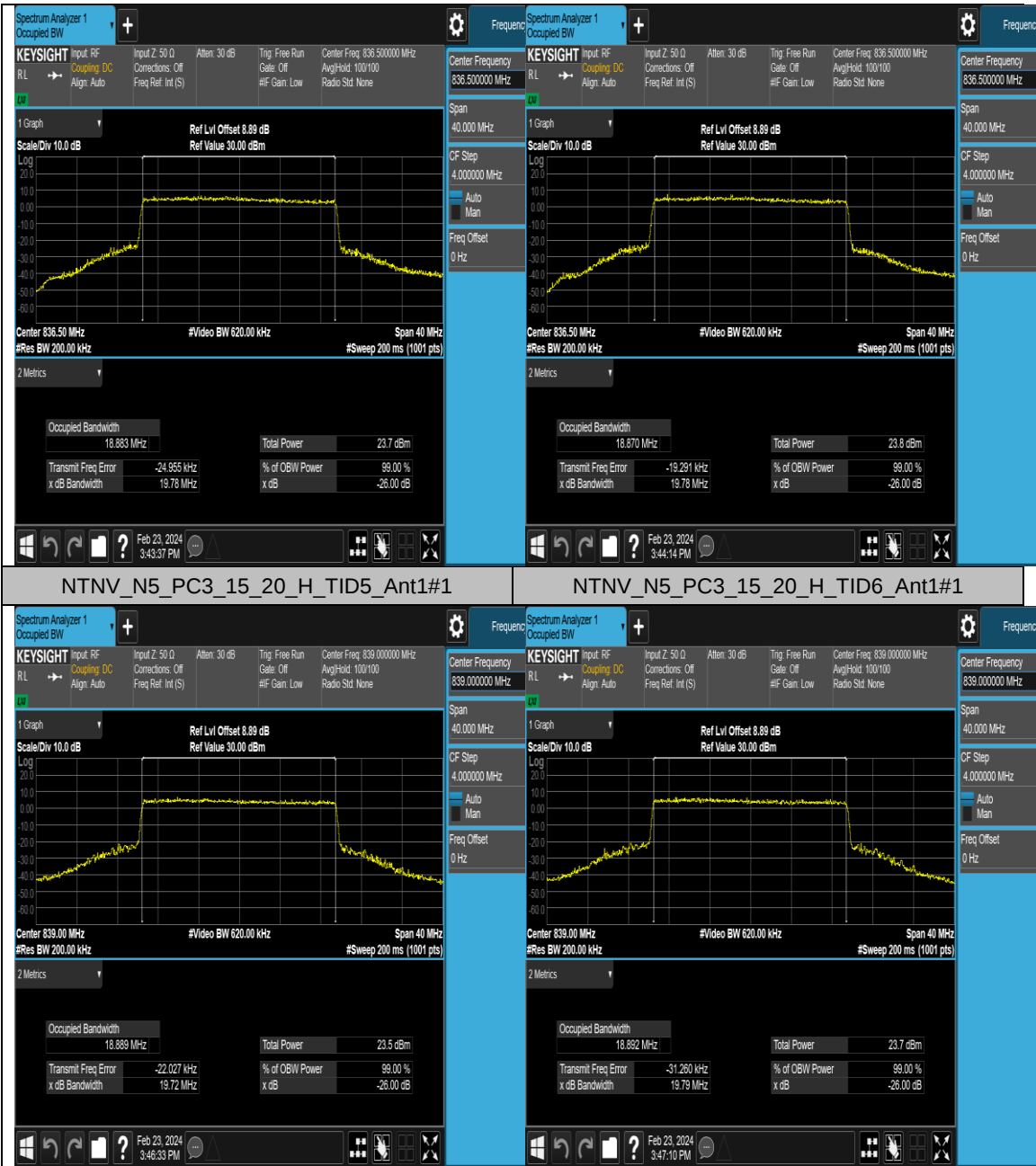












Appendix D: Band Edge for SA

Test Result

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

Test Graphs

