

Appendix for N25

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
N25	15	5	CP-QPSK	L	Outer_Full	20.88	PC3	PASS
N25	15	5	CP-QPSK	L	Edge_1RB_Left	20.80	PC3	PASS
N25	15	5	CP-QPSK	L	Inner_Full	22.37	PC3	PASS
N25	15	5	CP-QPSK	L	Edge_1RB_Right	21.13	PC3	PASS
N25	15	5	CP-16QAM	L	Outer_Full	21.20	PC3	PASS
N25	15	5	CP-16QAM	L	Edge_1RB_Left	21.08	PC3	PASS
N25	15	5	CP-16QAM	L	Inner_Full	22.15	PC3	PASS
N25	15	5	CP-16QAM	L	Edge_1RB_Right	21.10	PC3	PASS
N25	15	5	CP-QPSK	M	Outer_Full	21.15	PC3	PASS
N25	15	5	CP-QPSK	M	Edge_1RB_Left	21.26	PC3	PASS
N25	15	5	CP-QPSK	M	Inner_Full	22.64	PC3	PASS
N25	15	5	CP-QPSK	M	Edge_1RB_Right	21.15	PC3	PASS
N25	15	5	CP-16QAM	M	Outer_Full	21.16	PC3	PASS
N25	15	5	CP-16QAM	M	Edge_1RB_Left	21.17	PC3	PASS
N25	15	5	CP-16QAM	M	Inner_Full	22.02	PC3	PASS
N25	15	5	CP-16QAM	M	Edge_1RB_Right	20.98	PC3	PASS
N25	15	5	CP-QPSK	H	Outer_Full	21.43	PC3	PASS
N25	15	5	CP-QPSK	H	Edge_1RB_Left	21.38	PC3	PASS
N25	15	5	CP-QPSK	H	Inner_Full	23.14	PC3	PASS
N25	15	5	CP-QPSK	H	Edge_1RB_Right	21.66	PC3	PASS
N25	15	5	CP-16QAM	H	Outer_Full	21.68	PC3	PASS
N25	15	5	CP-16QAM	H	Edge_1RB_Left	21.05	PC3	PASS
N25	15	5	CP-16QAM	H	Inner_Full	22.33	PC3	PASS
N25	15	5	CP-16QAM	H	Edge_1RB_Right	21.42	PC3	PASS
N25	15	10	CP-QPSK	L	Outer_Full	21.11	PC3	PASS
N25	15	10	CP-QPSK	L	Edge_1RB_Left	20.96	PC3	PASS
N25	15	10	CP-QPSK	L	Inner_Full	22.67	PC3	PASS
N25	15	10	CP-QPSK	L	Edge_1RB_Right	20.91	PC3	PASS
N25	15	10	CP-16QAM	L	Outer_Full	20.96	PC3	PASS
N25	15	10	CP-16QAM	L	Edge_1RB_Left	20.86	PC3	PASS
N25	15	10	CP-16QAM	L	Inner_Full	22.19	PC3	PASS
N25	15	10	CP-16QAM	L	Edge_1RB_Right	21.04	PC3	PASS
N25	15	10	CP-QPSK	M	Outer_Full	21.08	PC3	PASS
N25	15	10	CP-QPSK	M	Edge_1RB_Left	21.11	PC3	PASS
N25	15	10	CP-QPSK	M	Inner_Full	22.77	PC3	PASS

N25	15	10	CP-QPSK	M	Edge_1RB_Right	21.19	PC3	PASS
N25	15	10	CP-16QAM	M	Outer_Full	21.25	PC3	PASS
N25	15	10	CP-16QAM	M	Edge_1RB_Left	21.31	PC3	PASS
N25	15	10	CP-16QAM	M	Inner_Full	22.16	PC3	PASS
N25	15	10	CP-16QAM	M	Edge_1RB_Right	21.45	PC3	PASS
N25	15	10	CP-QPSK	H	Outer_Full	21.47	PC3	PASS
N25	15	10	CP-QPSK	H	Edge_1RB_Left	21.33	PC3	PASS
N25	15	10	CP-QPSK	H	Inner_Full	23.17	PC3	PASS
N25	15	10	CP-QPSK	H	Edge_1RB_Right	21.51	PC3	PASS
N25	15	10	CP-16QAM	H	Outer_Full	21.57	PC3	PASS
N25	15	10	CP-16QAM	H	Edge_1RB_Left	21.96	PC3	PASS
N25	15	10	CP-16QAM	H	Inner_Full	22.50	PC3	PASS
N25	15	10	CP-16QAM	H	Edge_1RB_Right	21.82	PC3	PASS
N25	15	15	CP-QPSK	L	Outer_Full	21.17	PC3	PASS
N25	15	15	CP-QPSK	L	Edge_1RB_Left	20.96	PC3	PASS
N25	15	15	CP-QPSK	L	Inner_Full	22.74	PC3	PASS
N25	15	15	CP-QPSK	L	Edge_1RB_Right	21.27	PC3	PASS
N25	15	15	CP-16QAM	L	Outer_Full	21.23	PC3	PASS
N25	15	15	CP-16QAM	L	Edge_1RB_Left	20.87	PC3	PASS
N25	15	15	CP-16QAM	L	Inner_Full	22.13	PC3	PASS
N25	15	15	CP-16QAM	L	Edge_1RB_Right	21.03	PC3	PASS
N25	15	15	CP-QPSK	M	Outer_Full	21.20	PC3	PASS
N25	15	15	CP-QPSK	M	Edge_1RB_Left	21.36	PC3	PASS
N25	15	15	CP-QPSK	M	Inner_Full	22.67	PC3	PASS
N25	15	15	CP-QPSK	M	Edge_1RB_Right	21.19	PC3	PASS
N25	15	15	CP-16QAM	M	Outer_Full	21.03	PC3	PASS
N25	15	15	CP-16QAM	M	Edge_1RB_Left	21.21	PC3	PASS
N25	15	15	CP-16QAM	M	Inner_Full	22.15	PC3	PASS
N25	15	15	CP-16QAM	M	Edge_1RB_Right	21.40	PC3	PASS
N25	15	15	CP-QPSK	H	Outer_Full	21.56	PC3	PASS
N25	15	15	CP-QPSK	H	Edge_1RB_Left	21.34	PC3	PASS
N25	15	15	CP-QPSK	H	Inner_Full	23.00	PC3	PASS
N25	15	15	CP-QPSK	H	Edge_1RB_Right	21.50	PC3	PASS
N25	15	15	CP-16QAM	H	Outer_Full	21.35	PC3	PASS
N25	15	15	CP-16QAM	H	Edge_1RB_Left	21.34	PC3	PASS
N25	15	15	CP-16QAM	H	Inner_Full	22.33	PC3	PASS
N25	15	15	CP-16QAM	H	Edge_1RB_Right	21.66	PC3	PASS
N25	15	20	CP-QPSK	L	Outer_Full	21.27	PC3	PASS
N25	15	20	CP-QPSK	L	Edge_1RB_Left	21.09	PC3	PASS
N25	15	20	CP-QPSK	L	Inner_Full	22.80	PC3	PASS
N25	15	20	CP-QPSK	L	Edge_1RB_Right	21.19	PC3	PASS
N25	15	20	CP-16QAM	L	Outer_Full	21.32	PC3	PASS

N25	15	20	CP-16QAM	L	Edge_1RB_Left	21.05	PC3	PASS
N25	15	20	CP-16QAM	L	Inner_Full	22.29	PC3	PASS
N25	15	20	CP-16QAM	L	Edge_1RB_Right	21.35	PC3	PASS
N25	15	20	CP-QPSK	M	Outer_Full	21.17	PC3	PASS
N25	15	20	CP-QPSK	M	Edge_1RB_Left	21.33	PC3	PASS
N25	15	20	CP-QPSK	M	Inner_Full	22.68	PC3	PASS
N25	15	20	CP-QPSK	M	Edge_1RB_Right	21.17	PC3	PASS
N25	15	20	CP-16QAM	M	Outer_Full	21.12	PC3	PASS
N25	15	20	CP-16QAM	M	Edge_1RB_Left	21.24	PC3	PASS
N25	15	20	CP-16QAM	M	Inner_Full	22.12	PC3	PASS
N25	15	20	CP-16QAM	M	Edge_1RB_Right	21.06	PC3	PASS
N25	15	20	CP-QPSK	H	Outer_Full	21.54	PC3	PASS
N25	15	20	CP-QPSK	H	Edge_1RB_Left	21.23	PC3	PASS
N25	15	20	CP-QPSK	H	Inner_Full	23.20	PC3	PASS
N25	15	20	CP-QPSK	H	Edge_1RB_Right	21.47	PC3	PASS
N25	15	20	CP-16QAM	H	Outer_Full	21.52	PC3	PASS
N25	15	20	CP-16QAM	H	Edge_1RB_Left	21.44	PC3	PASS
N25	15	20	CP-16QAM	H	Inner_Full	22.58	PC3	PASS
N25	15	20	CP-16QAM	H	Edge_1RB_Right	20.96	PC3	PASS

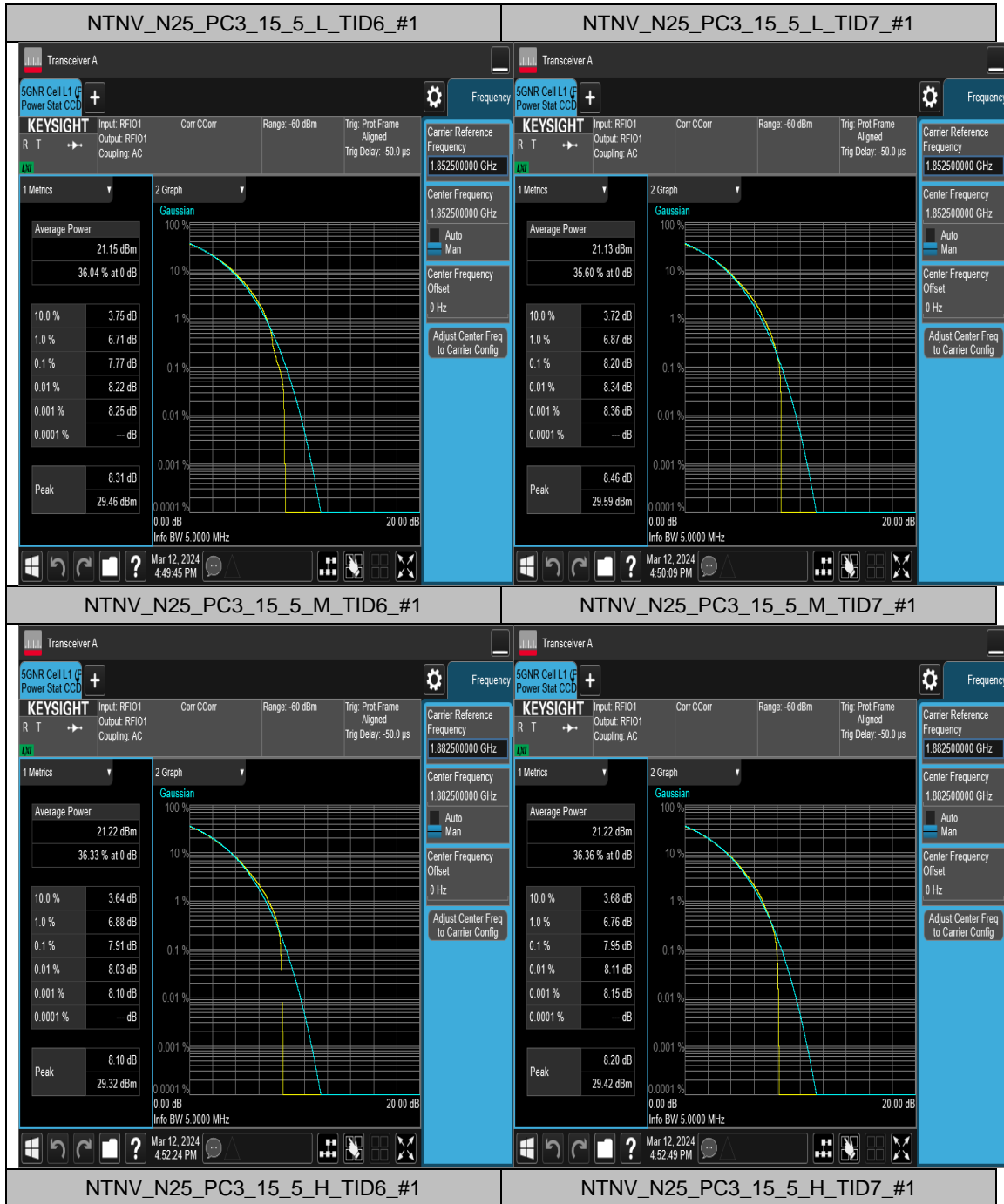
Appendix B: Peak-to-Average Ratio for SA

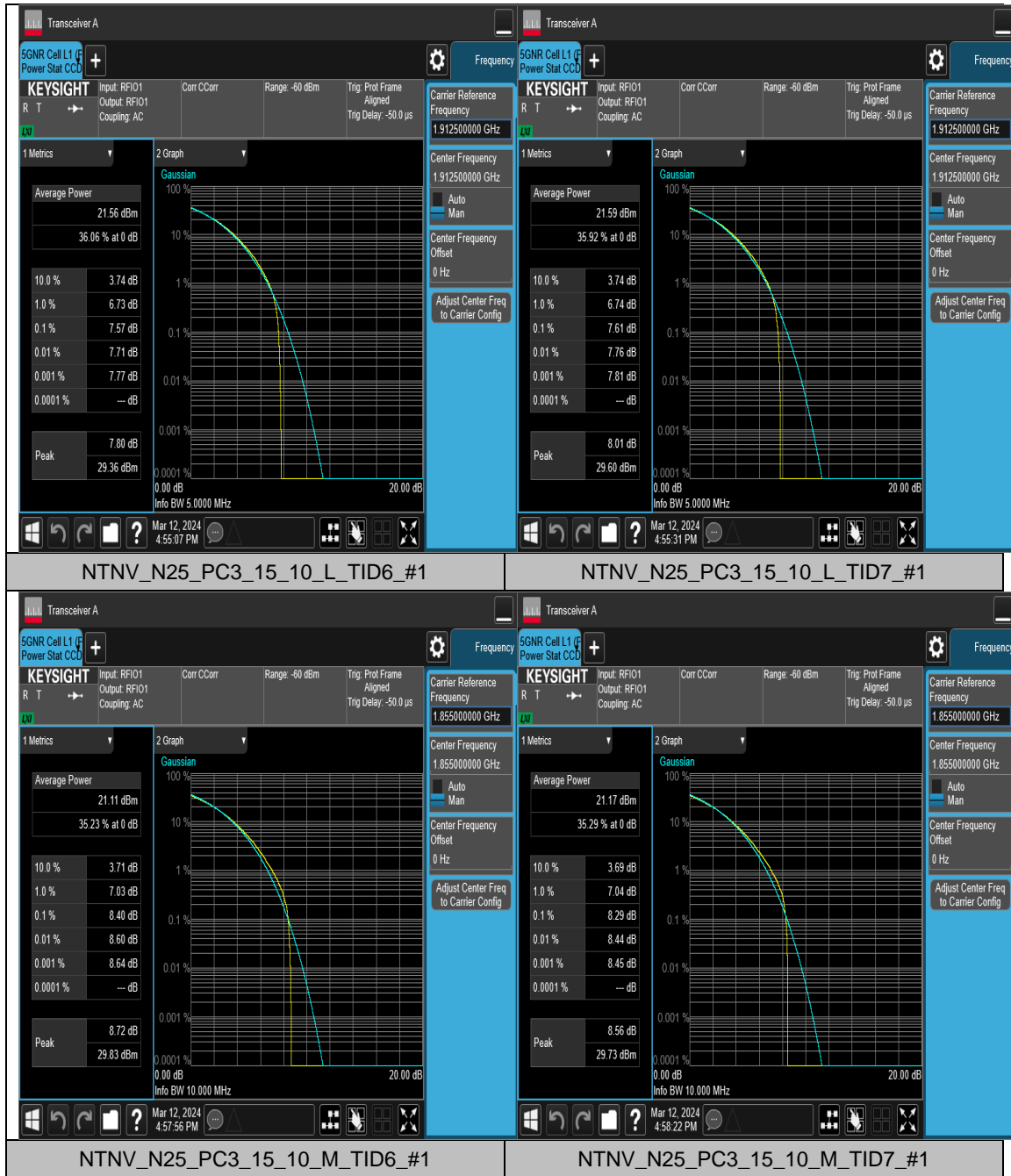
Peak-to-Average Ratio(CCDF)

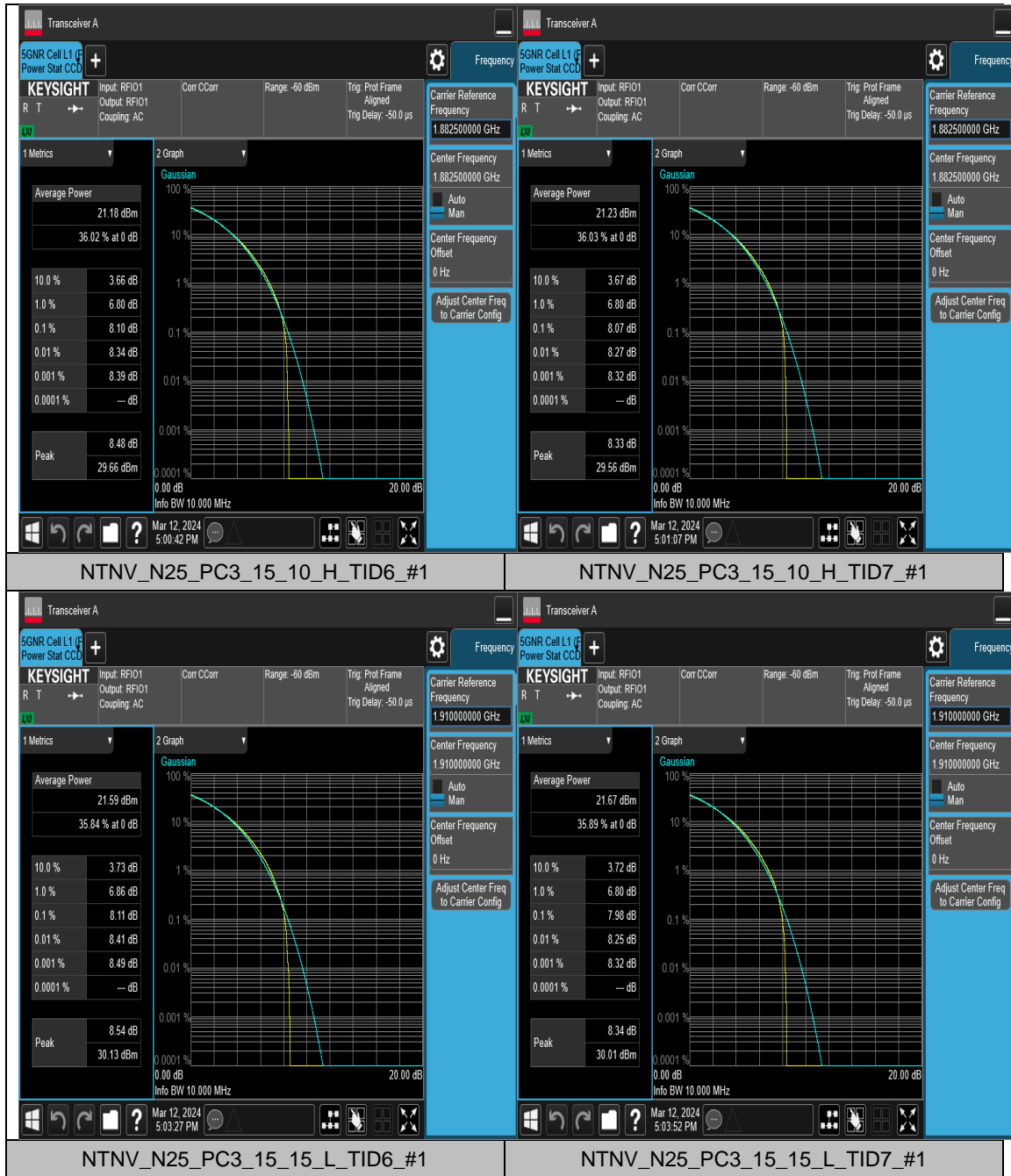
Test Result

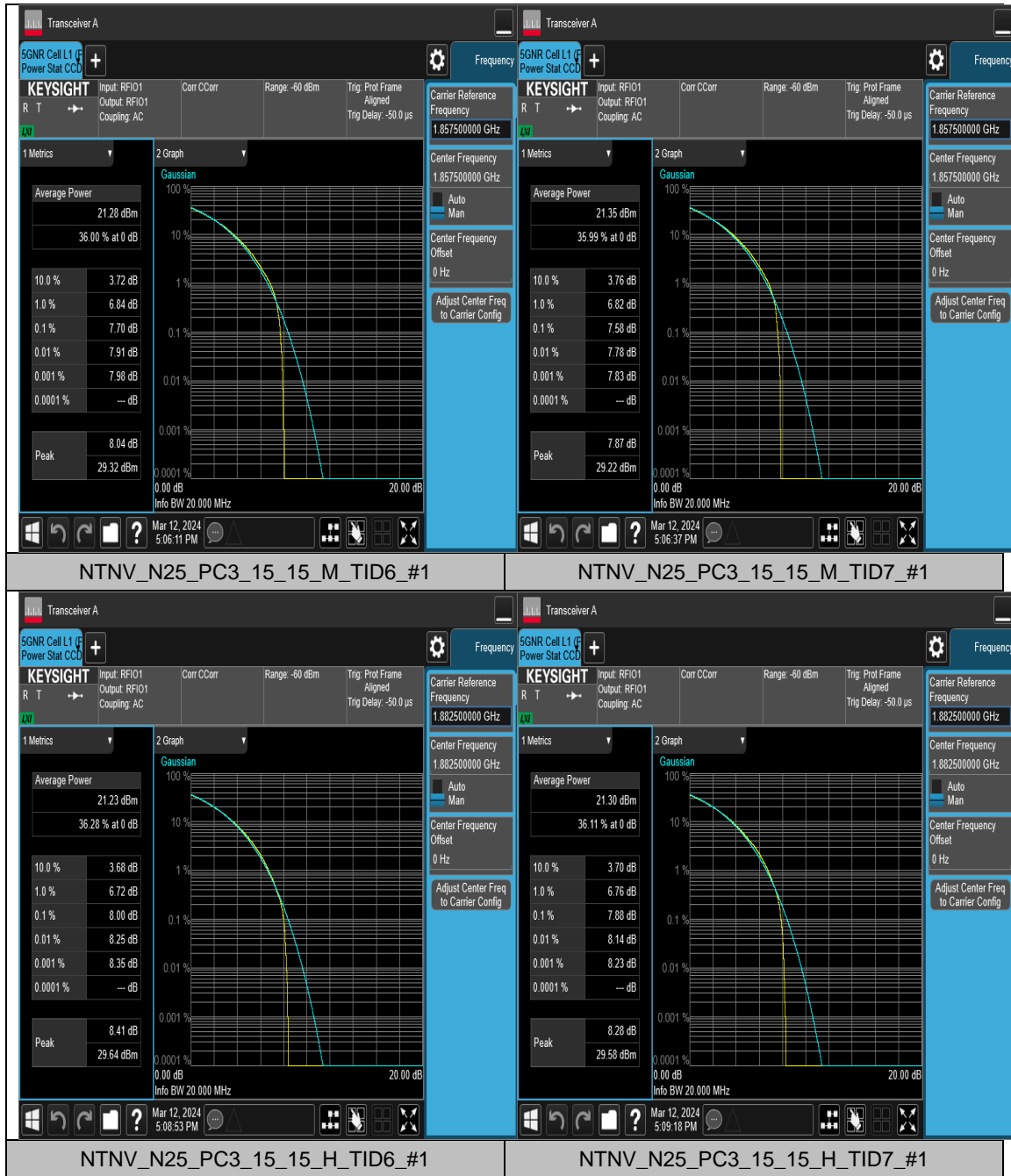
Band	SCS	Bandwidth	Modulation	Channel	RB Config	Result	Limit	Verdict
N25	15	5	CP-QPSK	L	Outer_Full	7.77	≤13	PASS
N25	15	5	CP-16QAM	L	Outer_Full	8.20	≤13	PASS
N25	15	5	CP-QPSK	M	Outer_Full	7.91	≤13	PASS
N25	15	5	CP-16QAM	M	Outer_Full	7.95	≤13	PASS
N25	15	5	CP-QPSK	H	Outer_Full	7.57	≤13	PASS
N25	15	5	CP-16QAM	H	Outer_Full	7.61	≤13	PASS
N25	15	10	CP-QPSK	L	Outer_Full	8.40	≤13	PASS
N25	15	10	CP-16QAM	L	Outer_Full	8.29	≤13	PASS
N25	15	10	CP-QPSK	M	Outer_Full	8.10	≤13	PASS
N25	15	10	CP-16QAM	M	Outer_Full	8.07	≤13	PASS
N25	15	10	CP-QPSK	H	Outer_Full	8.11	≤13	PASS
N25	15	10	CP-16QAM	H	Outer_Full	7.98	≤13	PASS
N25	15	15	CP-QPSK	L	Outer_Full	7.70	≤13	PASS
N25	15	15	CP-16QAM	L	Outer_Full	7.58	≤13	PASS
N25	15	15	CP-QPSK	M	Outer_Full	8.00	≤13	PASS
N25	15	15	CP-16QAM	M	Outer_Full	7.88	≤13	PASS
N25	15	15	CP-QPSK	H	Outer_Full	7.54	≤13	PASS
N25	15	15	CP-16QAM	H	Outer_Full	7.51	≤13	PASS
N25	15	20	CP-QPSK	L	Outer_Full	7.54	≤13	PASS
N25	15	20	CP-16QAM	L	Outer_Full	7.46	≤13	PASS
N25	15	20	CP-QPSK	M	Outer_Full	7.75	≤13	PASS
N25	15	20	CP-16QAM	M	Outer_Full	7.70	≤13	PASS
N25	15	20	CP-QPSK	H	Outer_Full	7.51	≤13	PASS
N25	15	20	CP-16QAM	H	Outer_Full	7.49	≤13	PASS

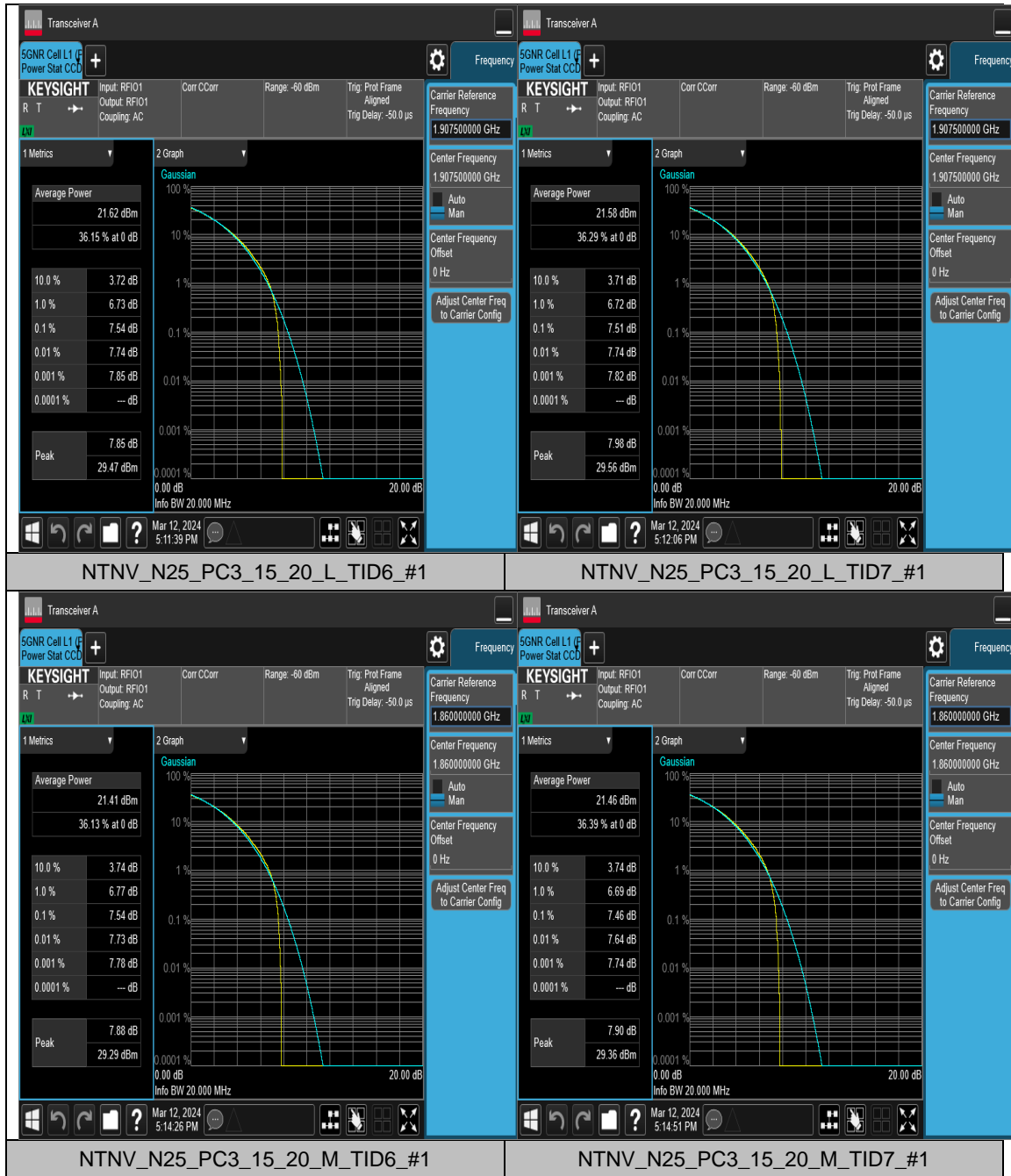
Test Graphs

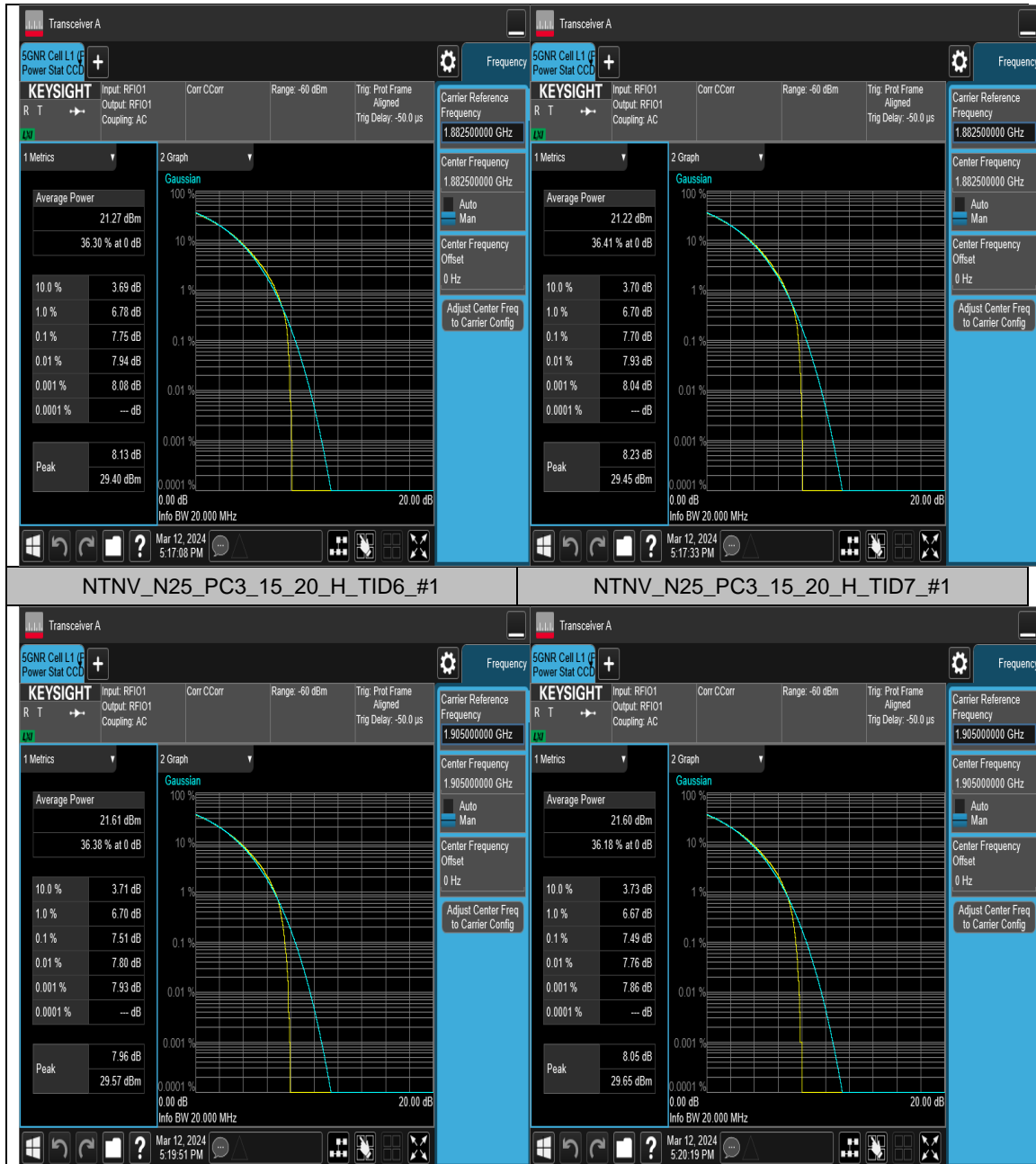








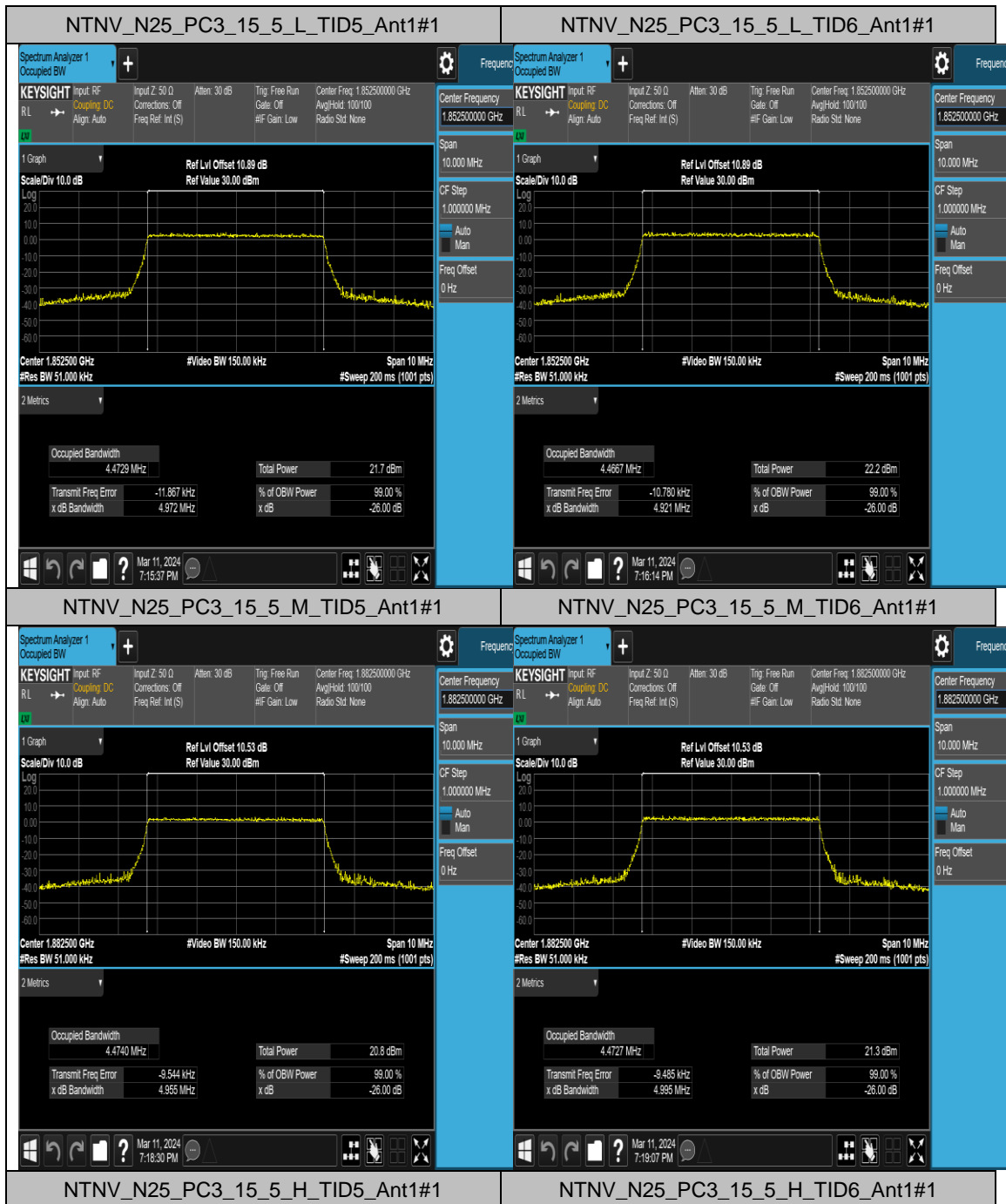


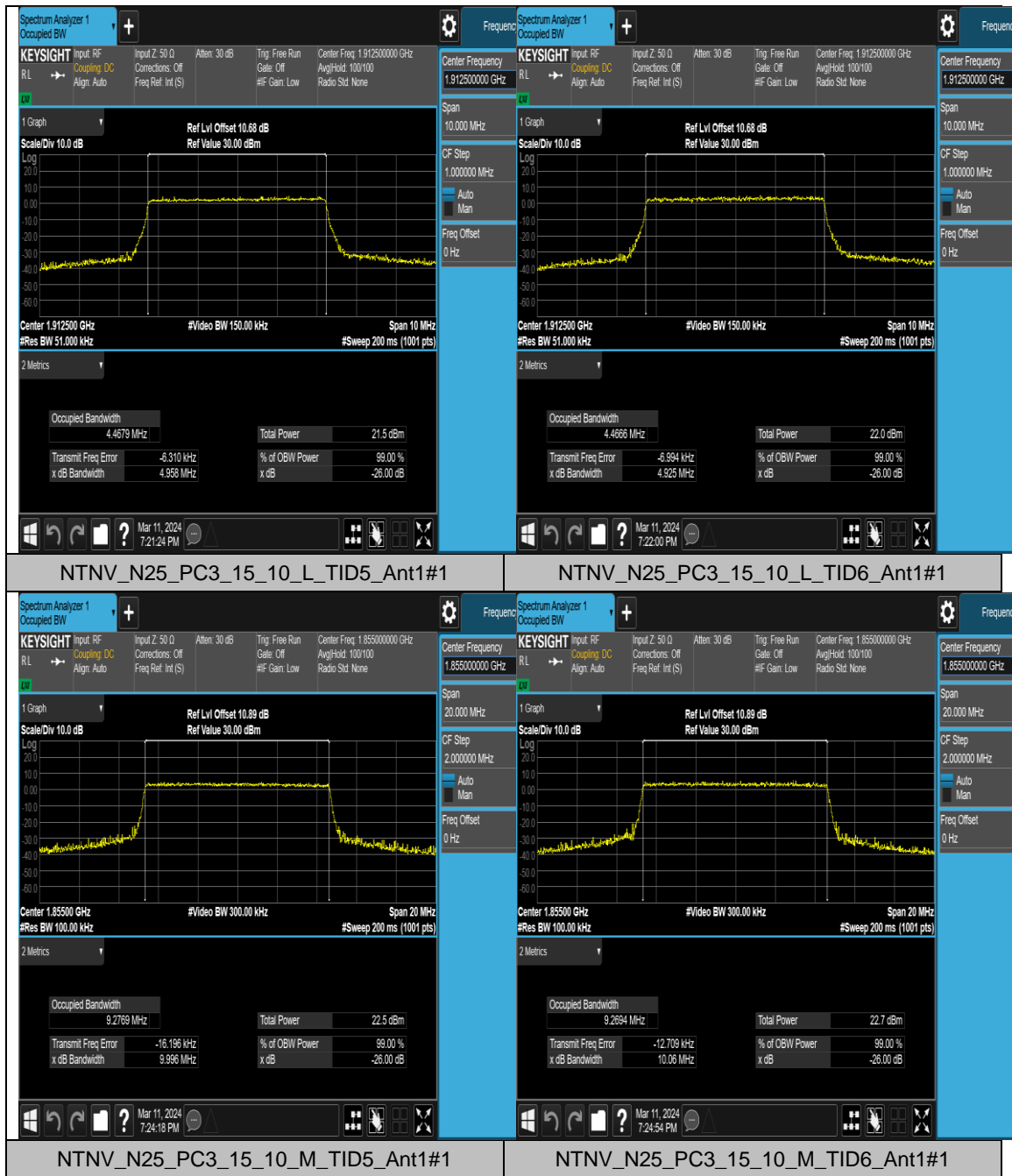


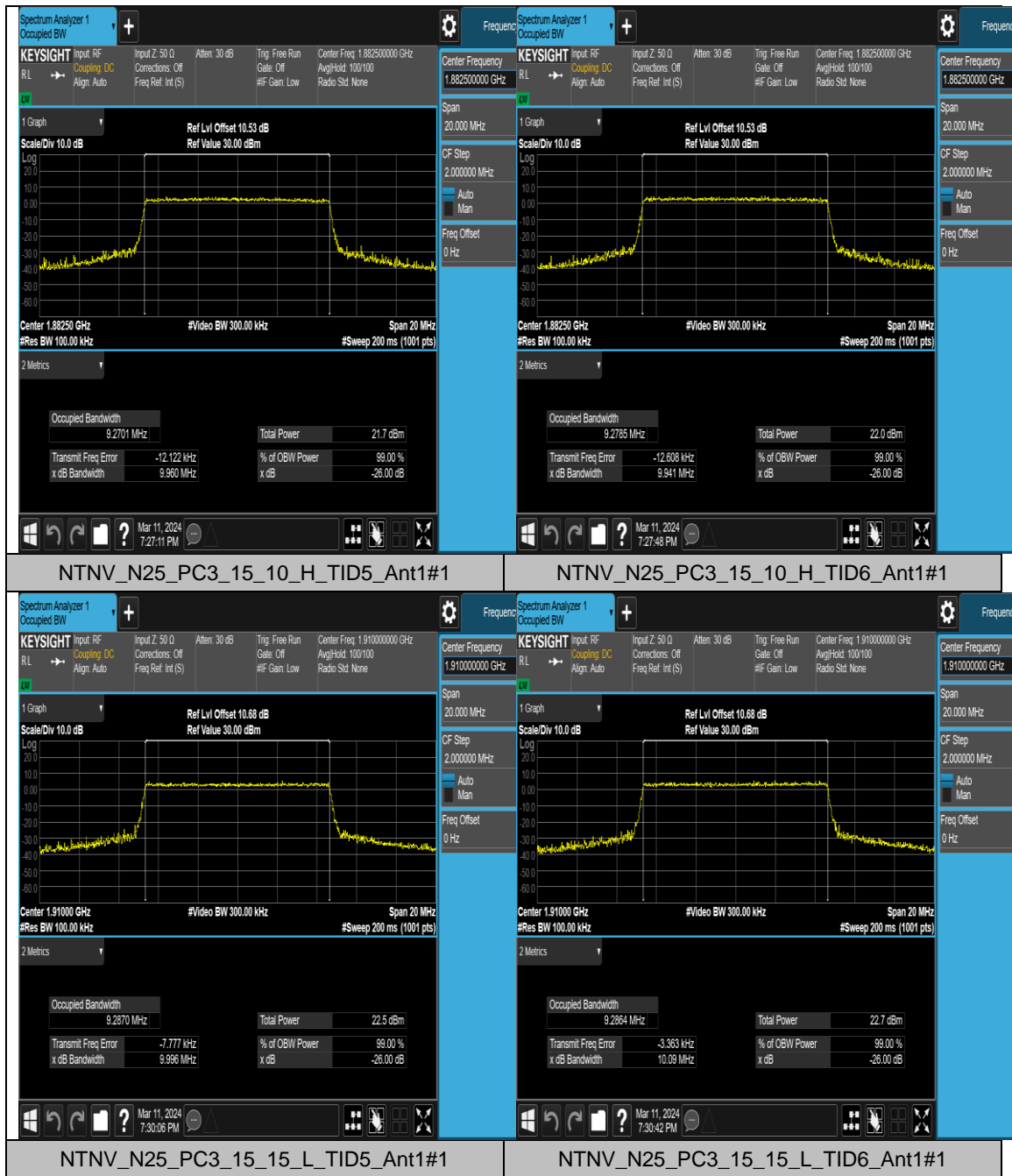
Appendix C: 26dB Bandwidth and Occupied Bandwidth for SA**Test Result**

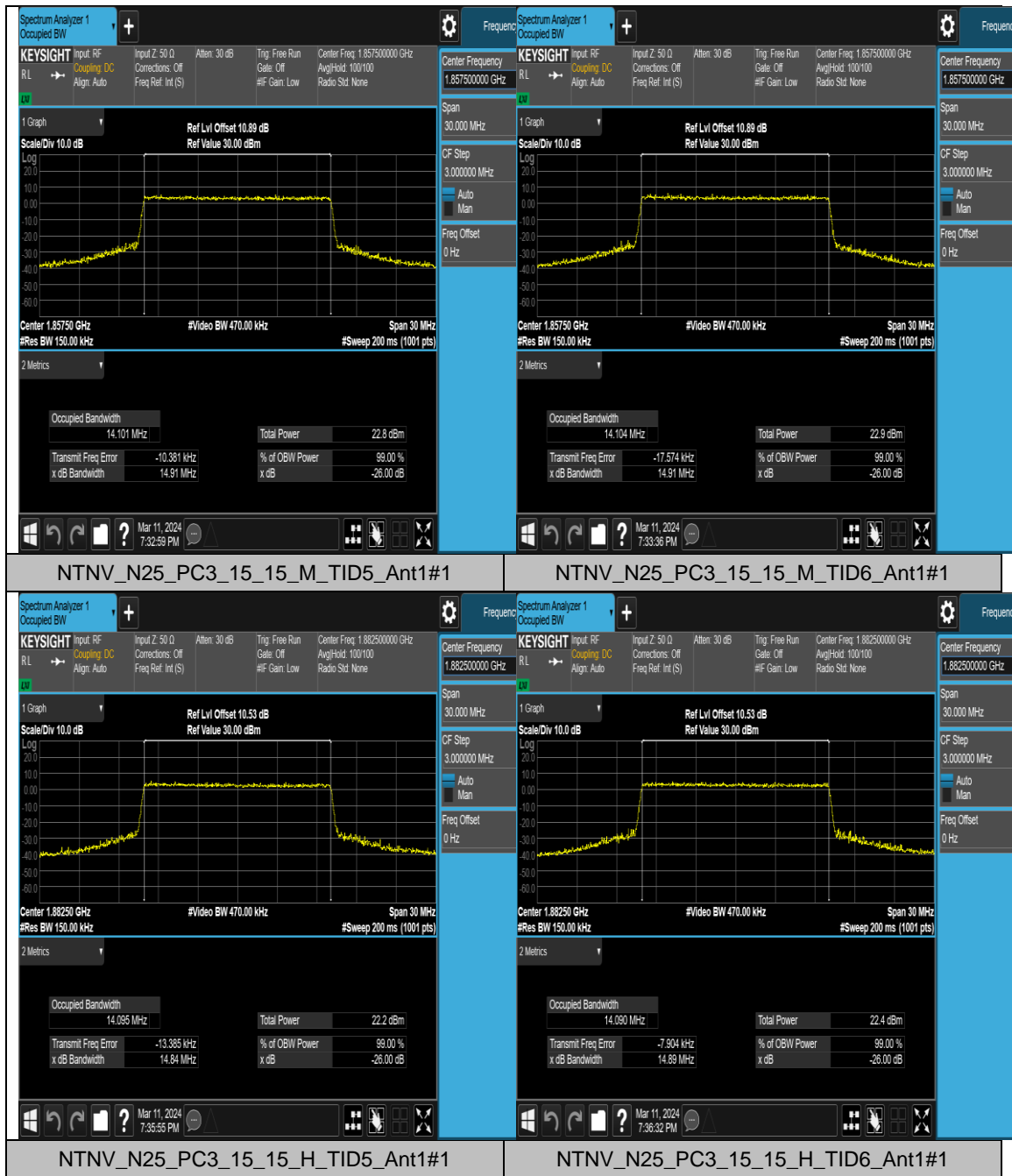
Band	SCS	Bandwidth	Modulation	Channel	RB Config	Result (99%)	Result (26dB)	Verdict
N25	15	5	CP-QPSK	L	Outer_Full	4.4729	4.972	PASS
N25	15	5	CP-16QAM	L	Outer_Full	4.4667	4.921	PASS
N25	15	5	CP-QPSK	M	Outer_Full	4.4740	4.955	PASS
N25	15	5	CP-16QAM	M	Outer_Full	4.4727	4.995	PASS
N25	15	5	CP-QPSK	H	Outer_Full	4.4679	4.958	PASS
N25	15	5	CP-16QAM	H	Outer_Full	4.4666	4.925	PASS
N25	15	10	CP-QPSK	L	Outer_Full	9.2769	9.996	PASS
N25	15	10	CP-16QAM	L	Outer_Full	9.2694	10.06	PASS
N25	15	10	CP-QPSK	M	Outer_Full	9.2701	9.960	PASS
N25	15	10	CP-16QAM	M	Outer_Full	9.2785	9.941	PASS
N25	15	10	CP-QPSK	H	Outer_Full	9.2870	9.996	PASS
N25	15	10	CP-16QAM	H	Outer_Full	9.2864	10.09	PASS
N25	15	15	CP-QPSK	L	Outer_Full	14.101	14.91	PASS
N25	15	15	CP-16QAM	L	Outer_Full	14.104	14.91	PASS
N25	15	15	CP-QPSK	M	Outer_Full	14.095	14.84	PASS
N25	15	15	CP-16QAM	M	Outer_Full	14.090	14.89	PASS
N25	15	15	CP-QPSK	H	Outer_Full	14.115	14.91	PASS
N25	15	15	CP-16QAM	H	Outer_Full	14.120	14.88	PASS
N25	15	20	CP-QPSK	L	Outer_Full	18.895	19.84	PASS
N25	15	20	CP-16QAM	L	Outer_Full	18.914	19.82	PASS
N25	15	20	CP-QPSK	M	Outer_Full	18.885	19.92	PASS
N25	15	20	CP-16QAM	M	Outer_Full	18.922	19.80	PASS
N25	15	20	CP-QPSK	H	Outer_Full	18.898	19.80	PASS
N25	15	20	CP-16QAM	H	Outer_Full	18.880	19.81	PASS

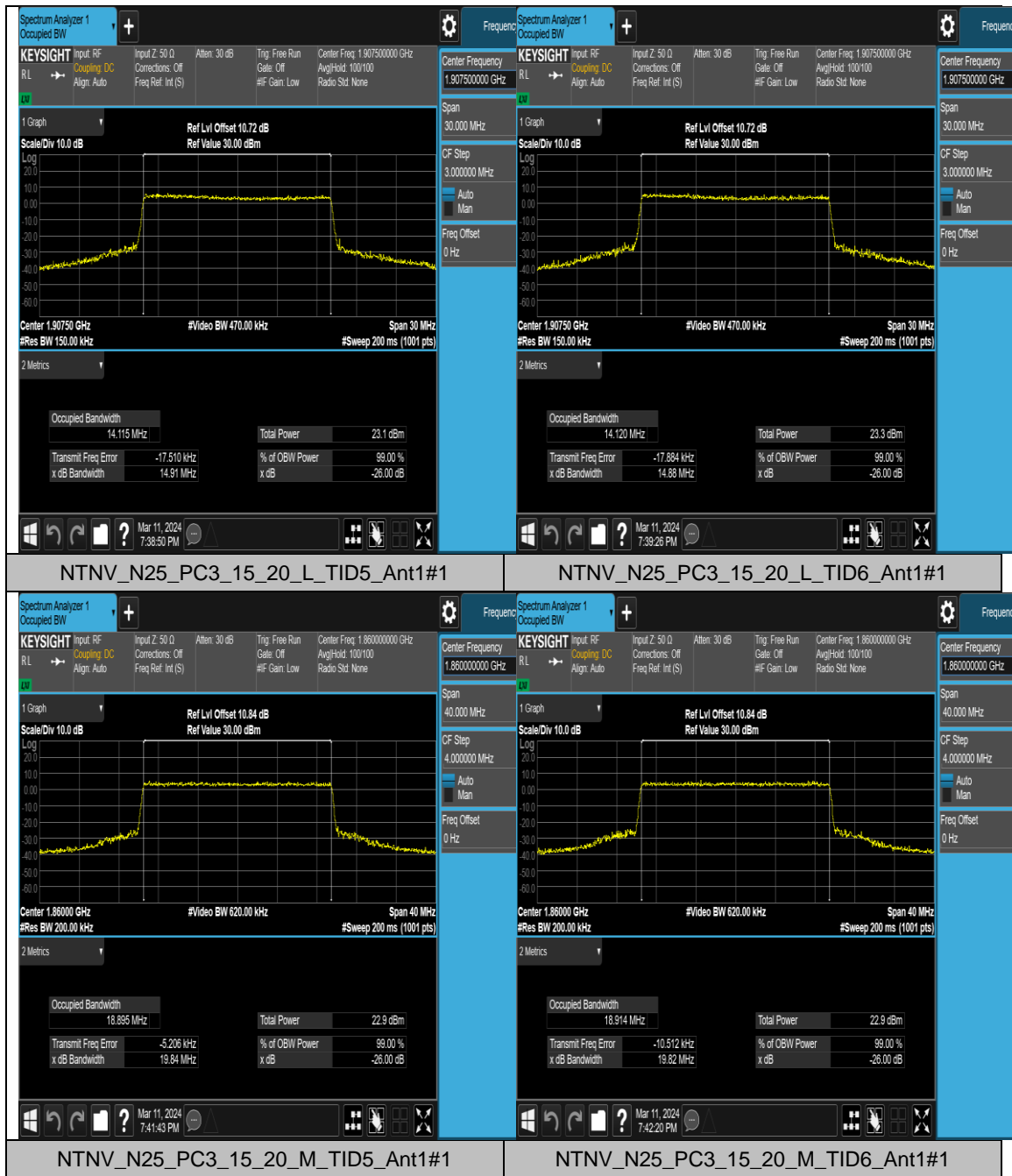
Test Graphs

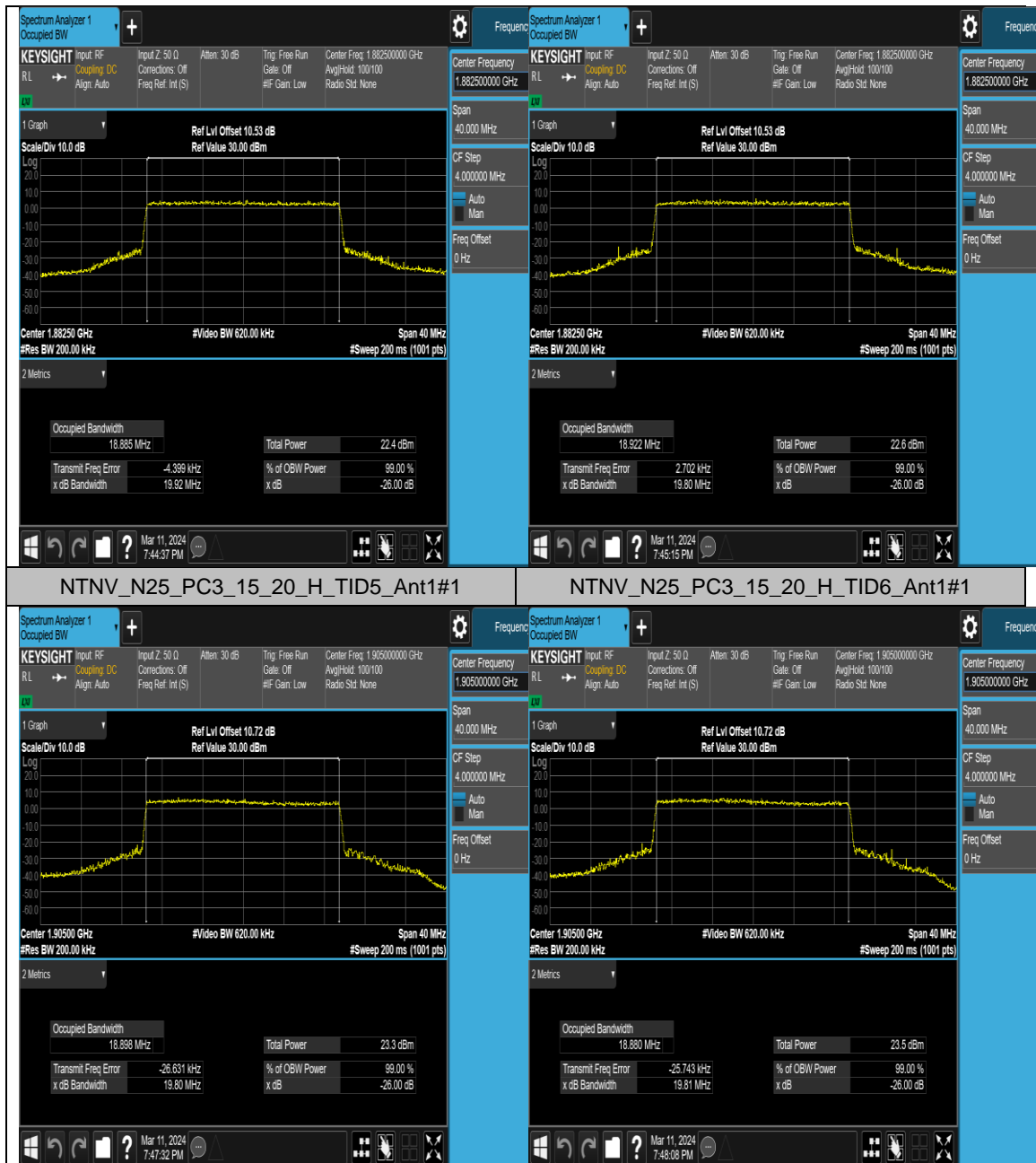












Appendix D: Band Edge for SA

Test Result

Band	SCS	Bandwidth	Modulation	Channel	RB Config	Verdict
N25	15	5	CP-QPSK	L	Outer_Full	PASS
N25	15	5	CP-QPSK	L	Edge_1RB_Left	PASS
N25	15	5	CP-16QAM	L	Outer_Full	PASS
N25	15	5	CP-16QAM	L	Edge_1RB_Left	PASS
N25	15	5	CP-QPSK	H	Outer_Full	PASS
N25	15	5	CP-QPSK	H	Edge_1RB_Right	PASS
N25	15	5	CP-16QAM	H	Outer_Full	PASS
N25	15	5	CP-16QAM	H	Edge_1RB_Right	PASS
N25	15	10	CP-QPSK	L	Outer_Full	PASS
N25	15	10	CP-QPSK	L	Edge_1RB_Left	PASS
N25	15	10	CP-16QAM	L	Outer_Full	PASS
N25	15	10	CP-16QAM	L	Edge_1RB_Left	PASS
N25	15	10	CP-QPSK	H	Outer_Full	PASS
N25	15	10	CP-QPSK	H	Edge_1RB_Right	PASS
N25	15	10	CP-16QAM	H	Outer_Full	PASS
N25	15	10	CP-16QAM	H	Edge_1RB_Right	PASS
N25	15	15	CP-QPSK	L	Outer_Full	PASS
N25	15	15	CP-QPSK	L	Edge_1RB_Left	PASS
N25	15	15	CP-16QAM	L	Outer_Full	PASS
N25	15	15	CP-16QAM	L	Edge_1RB_Left	PASS
N25	15	15	CP-QPSK	H	Outer_Full	PASS
N25	15	15	CP-QPSK	H	Edge_1RB_Right	PASS
N25	15	15	CP-16QAM	H	Outer_Full	PASS
N25	15	15	CP-16QAM	H	Edge_1RB_Right	PASS
N25	15	20	CP-QPSK	L	Outer_Full	PASS
N25	15	20	CP-QPSK	L	Edge_1RB_Left	PASS
N25	15	20	CP-16QAM	L	Outer_Full	PASS
N25	15	20	CP-16QAM	L	Edge_1RB_Left	PASS
N25	15	20	CP-QPSK	H	Outer_Full	PASS
N25	15	20	CP-QPSK	H	Edge_1RB_Right	PASS
N25	15	20	CP-16QAM	H	Outer_Full	PASS
N25	15	20	CP-16QAM	H	Edge_1RB_Right	PASS

Test Graphs



