

Appendix for N7

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
N7	15	5	CP-QPSK	L	Outer_Full	22.01	PC3	PASS
N7	15	5	CP-QPSK	L	Edge_1RB_Left	22.08	PC3	PASS
N7	15	5	CP-QPSK	L	Inner_Full	23.41	PC3	PASS
N7	15	5	CP-QPSK	L	Edge_1RB_Right	21.96	PC3	PASS
N7	15	5	CP-16QAM	L	Outer_Full	22.17	PC3	PASS
N7	15	5	CP-16QAM	L	Edge_1RB_Left	22.20	PC3	PASS
N7	15	5	CP-16QAM	L	Inner_Full	22.96	PC3	PASS
N7	15	5	CP-16QAM	L	Edge_1RB_Right	21.92	PC3	PASS
N7	15	5	CP-QPSK	M	Outer_Full	21.93	PC3	PASS
N7	15	5	CP-QPSK	M	Edge_1RB_Left	21.81	PC3	PASS
N7	15	5	CP-QPSK	M	Inner_Full	23.38	PC3	PASS
N7	15	5	CP-QPSK	M	Edge_1RB_Right	21.51	PC3	PASS
N7	15	5	CP-16QAM	M	Outer_Full	21.90	PC3	PASS
N7	15	5	CP-16QAM	M	Edge_1RB_Left	22.11	PC3	PASS
N7	15	5	CP-16QAM	M	Inner_Full	22.90	PC3	PASS
N7	15	5	CP-16QAM	M	Edge_1RB_Right	21.76	PC3	PASS
N7	15	5	CP-QPSK	H	Outer_Full	21.86	PC3	PASS
N7	15	5	CP-QPSK	H	Edge_1RB_Left	21.76	PC3	PASS
N7	15	5	CP-QPSK	H	Inner_Full	23.52	PC3	PASS
N7	15	5	CP-QPSK	H	Edge_1RB_Right	21.90	PC3	PASS
N7	15	5	CP-16QAM	H	Outer_Full	21.65	PC3	PASS
N7	15	5	CP-16QAM	H	Edge_1RB_Left	21.99	PC3	PASS
N7	15	5	CP-16QAM	H	Inner_Full	23.07	PC3	PASS
N7	15	5	CP-16QAM	H	Edge_1RB_Right	21.47	PC3	PASS
N7	15	10	CP-QPSK	L	Outer_Full	22.08	PC3	PASS
N7	15	10	CP-QPSK	L	Edge_1RB_Left	21.90	PC3	PASS
N7	15	10	CP-QPSK	L	Inner_Full	23.58	PC3	PASS
N7	15	10	CP-QPSK	L	Edge_1RB_Right	21.87	PC3	PASS
N7	15	10	CP-16QAM	L	Outer_Full	21.95	PC3	PASS
N7	15	10	CP-16QAM	L	Edge_1RB_Left	21.93	PC3	PASS
N7	15	10	CP-16QAM	L	Inner_Full	23.10	PC3	PASS
N7	15	10	CP-16QAM	L	Edge_1RB_Right	21.96	PC3	PASS
N7	15	10	CP-QPSK	M	Outer_Full	21.52	PC3	PASS
N7	15	10	CP-QPSK	M	Edge_1RB_Left	21.40	PC3	PASS
N7	15	10	CP-QPSK	M	Inner_Full	23.33	PC3	PASS

N7	15	10	CP-QPSK	M	Edge_1RB_Right	21.73	PC3	PASS
N7	15	10	CP-16QAM	M	Outer_Full	21.91	PC3	PASS
N7	15	10	CP-16QAM	M	Edge_1RB_Left	21.83	PC3	PASS
N7	15	10	CP-16QAM	M	Inner_Full	22.88	PC3	PASS
N7	15	10	CP-16QAM	M	Edge_1RB_Right	21.59	PC3	PASS
N7	15	10	CP-QPSK	H	Outer_Full	21.91	PC3	PASS
N7	15	10	CP-QPSK	H	Edge_1RB_Left	21.58	PC3	PASS
N7	15	10	CP-QPSK	H	Inner_Full	23.51	PC3	PASS
N7	15	10	CP-QPSK	H	Edge_1RB_Right	21.99	PC3	PASS
N7	15	10	CP-16QAM	H	Outer_Full	21.98	PC3	PASS
N7	15	10	CP-16QAM	H	Edge_1RB_Left	21.89	PC3	PASS
N7	15	10	CP-16QAM	H	Inner_Full	23.05	PC3	PASS
N7	15	10	CP-16QAM	H	Edge_1RB_Right	21.76	PC3	PASS
N7	15	15	CP-QPSK	L	Outer_Full	21.81	PC3	PASS
N7	15	15	CP-QPSK	L	Edge_1RB_Left	22.16	PC3	PASS
N7	15	15	CP-QPSK	L	Inner_Full	23.52	PC3	PASS
N7	15	15	CP-QPSK	L	Edge_1RB_Right	21.69	PC3	PASS
N7	15	15	CP-16QAM	L	Outer_Full	21.84	PC3	PASS
N7	15	15	CP-16QAM	L	Edge_1RB_Left	21.79	PC3	PASS
N7	15	15	CP-16QAM	L	Inner_Full	23.07	PC3	PASS
N7	15	15	CP-16QAM	L	Edge_1RB_Right	21.74	PC3	PASS
N7	15	15	CP-QPSK	M	Outer_Full	21.64	PC3	PASS
N7	15	15	CP-QPSK	M	Edge_1RB_Left	21.89	PC3	PASS
N7	15	15	CP-QPSK	M	Inner_Full	23.46	PC3	PASS
N7	15	15	CP-QPSK	M	Edge_1RB_Right	21.60	PC3	PASS
N7	15	15	CP-16QAM	M	Outer_Full	21.65	PC3	PASS
N7	15	15	CP-16QAM	M	Edge_1RB_Left	22.06	PC3	PASS
N7	15	15	CP-16QAM	M	Inner_Full	22.55	PC3	PASS
N7	15	15	CP-16QAM	M	Edge_1RB_Right	21.61	PC3	PASS
N7	15	15	CP-QPSK	H	Outer_Full	21.69	PC3	PASS
N7	15	15	CP-QPSK	H	Edge_1RB_Left	21.61	PC3	PASS
N7	15	15	CP-QPSK	H	Inner_Full	23.40	PC3	PASS
N7	15	15	CP-QPSK	H	Edge_1RB_Right	21.58	PC3	PASS
N7	15	15	CP-16QAM	H	Outer_Full	21.96	PC3	PASS
N7	15	15	CP-16QAM	H	Edge_1RB_Left	21.58	PC3	PASS
N7	15	15	CP-16QAM	H	Inner_Full	22.81	PC3	PASS
N7	15	15	CP-16QAM	H	Edge_1RB_Right	21.96	PC3	PASS
N7	15	20	CP-QPSK	L	Outer_Full	22.01	PC3	PASS
N7	15	20	CP-QPSK	L	Edge_1RB_Left	21.78	PC3	PASS
N7	15	20	CP-QPSK	L	Inner_Full	23.39	PC3	PASS
N7	15	20	CP-QPSK	L	Edge_1RB_Right	21.89	PC3	PASS
N7	15	20	CP-16QAM	L	Outer_Full	21.83	PC3	PASS

N7	15	20	CP-16QAM	L	Edge_1RB_Left	21.92	PC3	PASS
N7	15	20	CP-16QAM	L	Inner_Full	22.98	PC3	PASS
N7	15	20	CP-16QAM	L	Edge_1RB_Right	21.58	PC3	PASS
N7	15	20	CP-QPSK	M	Outer_Full	21.66	PC3	PASS
N7	15	20	CP-QPSK	M	Edge_1RB_Left	21.83	PC3	PASS
N7	15	20	CP-QPSK	M	Inner_Full	23.09	PC3	PASS
N7	15	20	CP-QPSK	M	Edge_1RB_Right	21.68	PC3	PASS
N7	15	20	CP-16QAM	M	Outer_Full	21.94	PC3	PASS
N7	15	20	CP-16QAM	M	Edge_1RB_Left	21.79	PC3	PASS
N7	15	20	CP-16QAM	M	Inner_Full	22.88	PC3	PASS
N7	15	20	CP-16QAM	M	Edge_1RB_Right	22.19	PC3	PASS
N7	15	20	CP-QPSK	H	Outer_Full	21.62	PC3	PASS
N7	15	20	CP-QPSK	H	Edge_1RB_Left	21.53	PC3	PASS
N7	15	20	CP-QPSK	H	Inner_Full	23.45	PC3	PASS
N7	15	20	CP-QPSK	H	Edge_1RB_Right	22.08	PC3	PASS
N7	15	20	CP-16QAM	H	Outer_Full	21.61	PC3	PASS
N7	15	20	CP-16QAM	H	Edge_1RB_Left	21.77	PC3	PASS
N7	15	20	CP-16QAM	H	Inner_Full	22.93	PC3	PASS
N7	15	20	CP-16QAM	H	Edge_1RB_Right	21.54	PC3	PASS

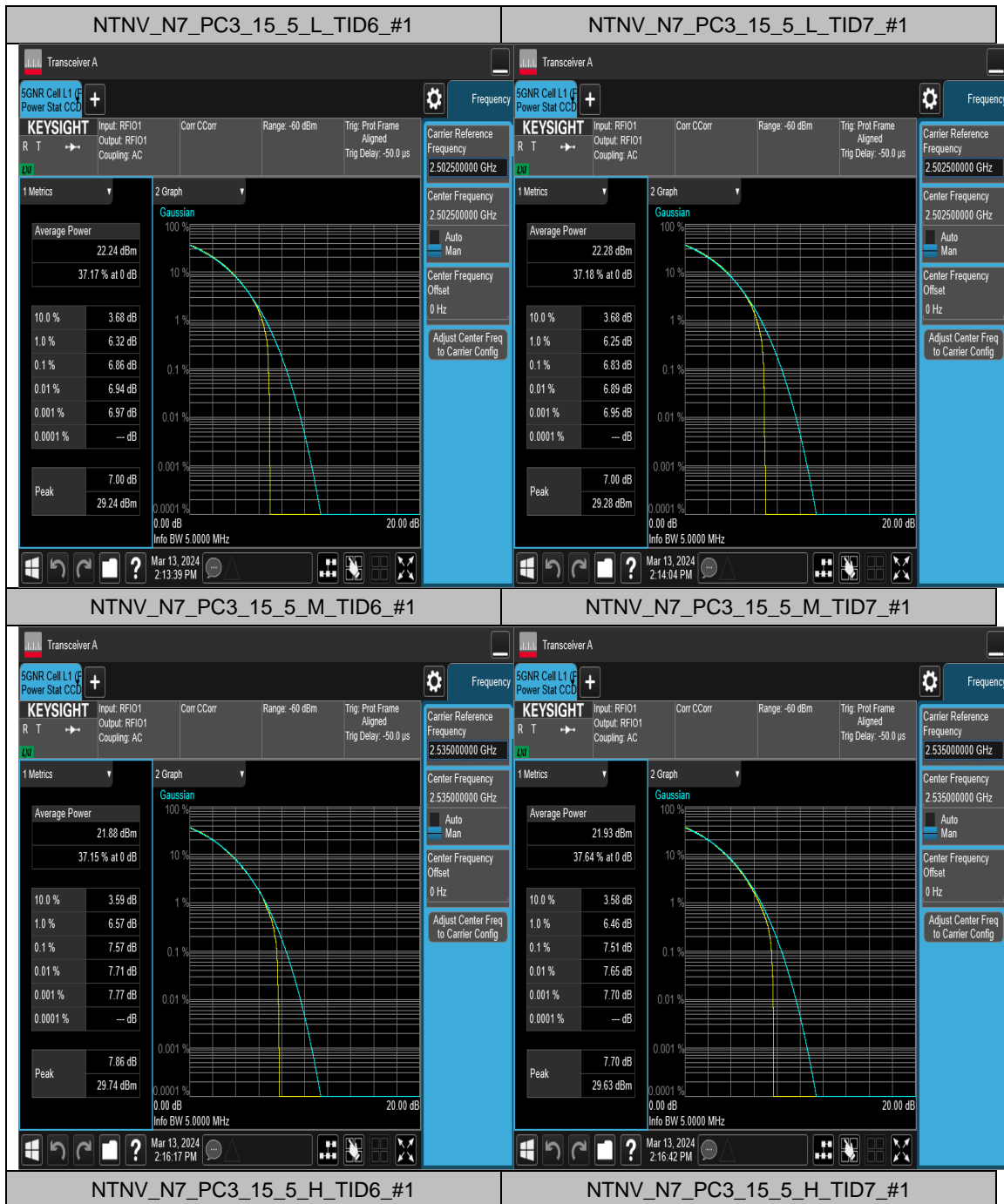
Appendix B: Peak-to-Average Ratio for SA

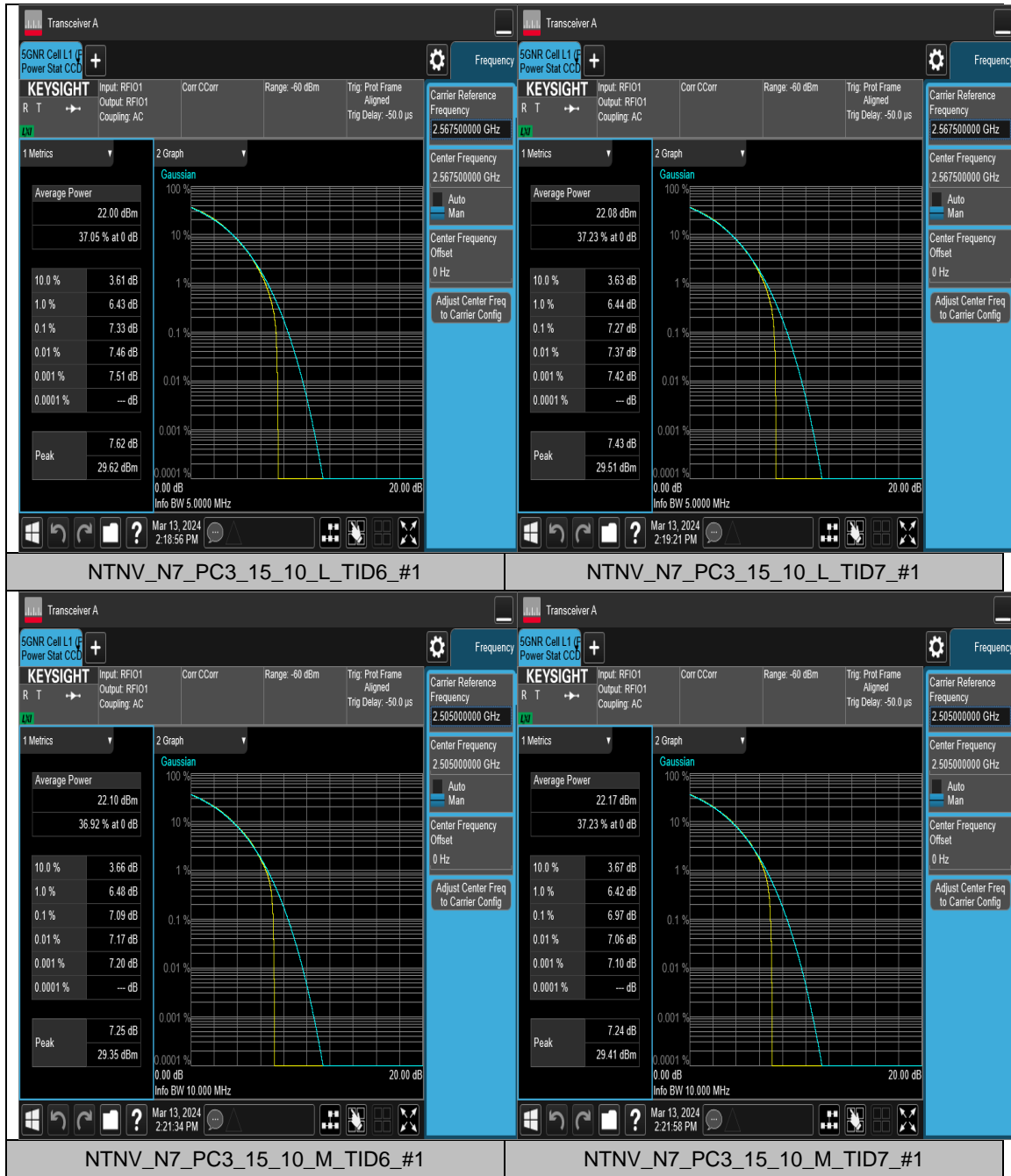
Peak-to-Average Ratio(CCDF)

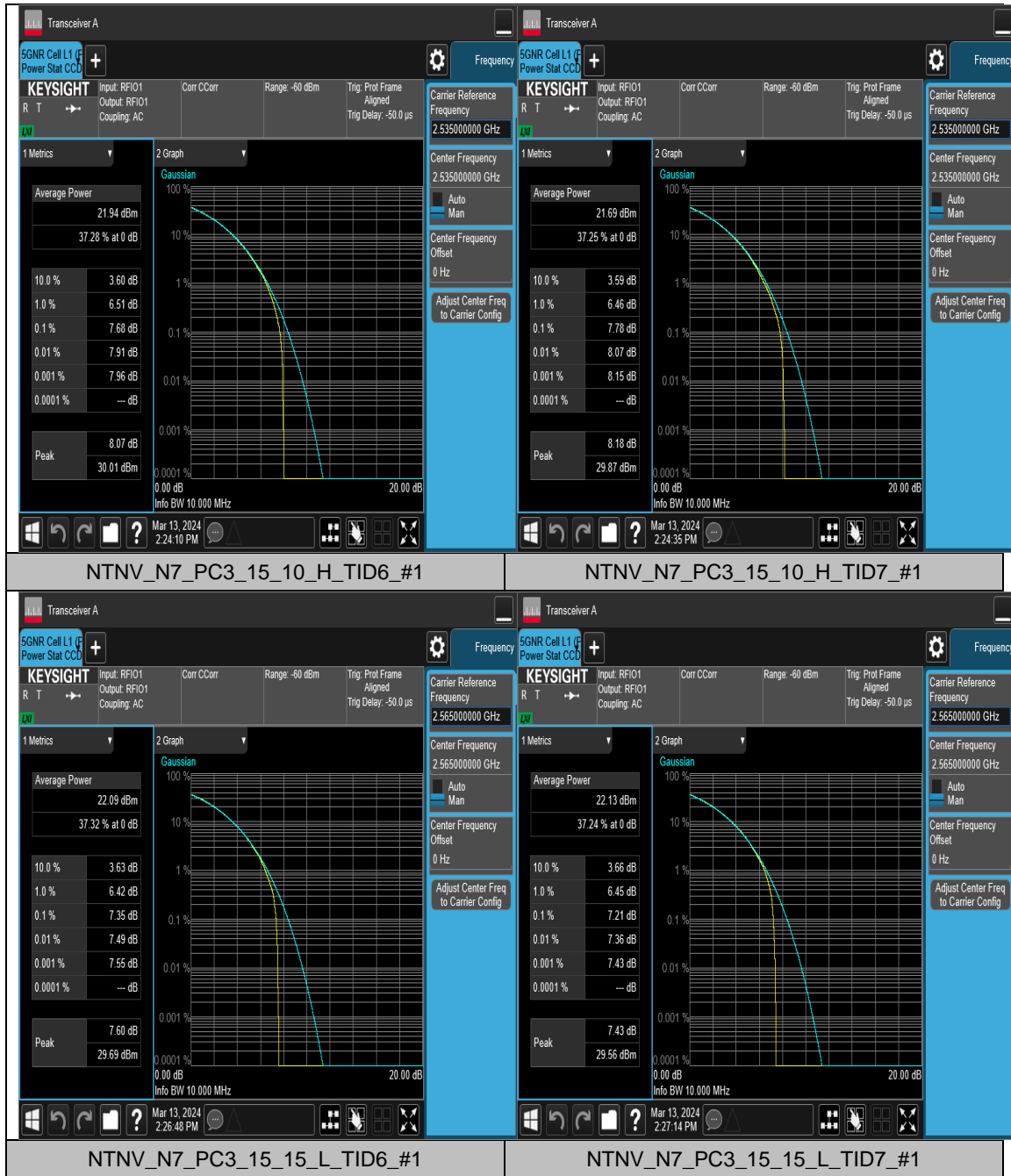
Test Result

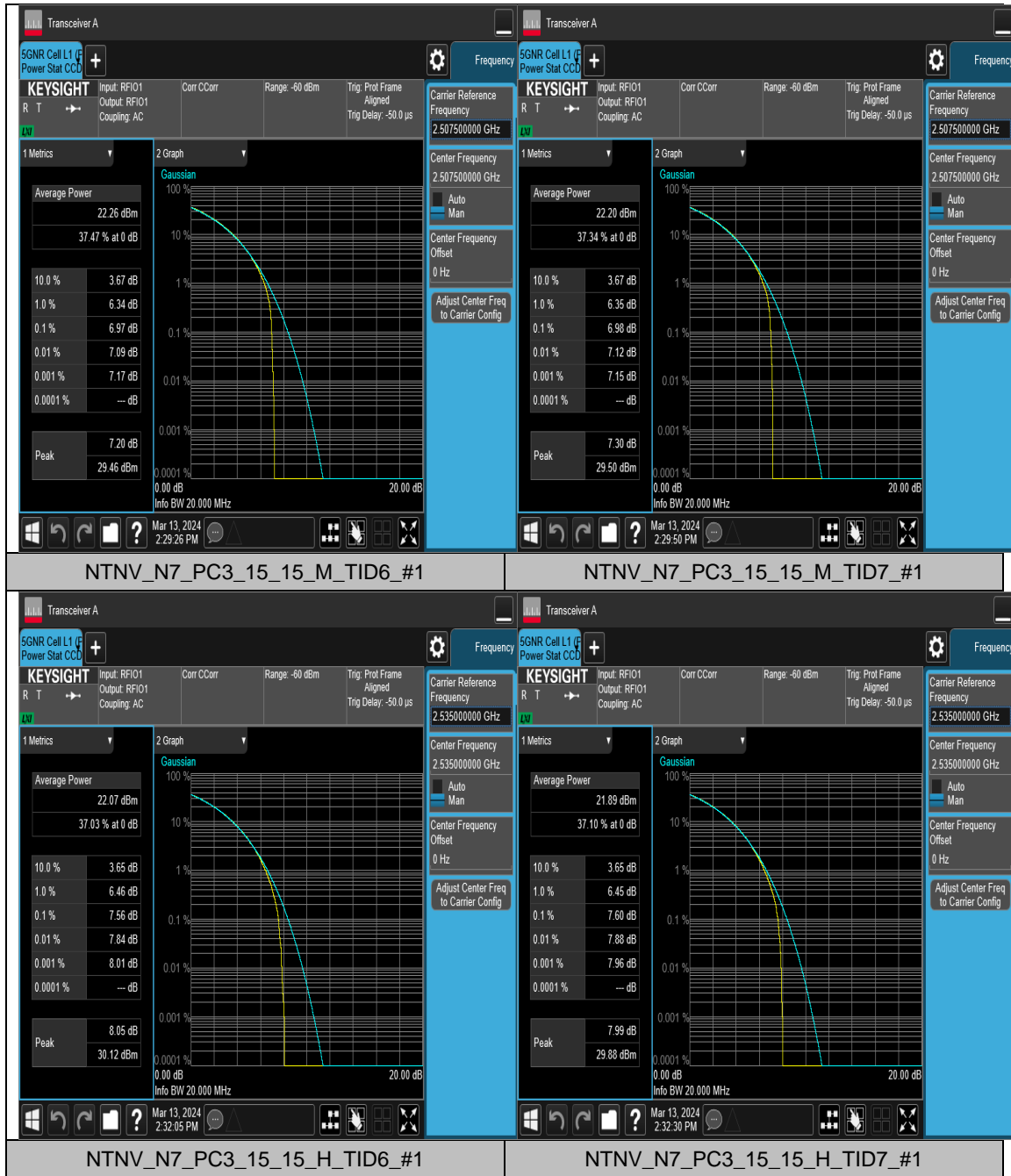
Band	SCS	Bandwidth	Modulation	Channel	RB Config	Result	Limit	Verdict
N7	15	5	CP-QPSK	L	Outer_Full	6.86	≤13	PASS
N7	15	5	CP-16QAM	L	Outer_Full	6.83	≤13	PASS
N7	15	5	CP-QPSK	M	Outer_Full	7.57	≤13	PASS
N7	15	5	CP-16QAM	M	Outer_Full	7.51	≤13	PASS
N7	15	5	CP-QPSK	H	Outer_Full	7.33	≤13	PASS
N7	15	5	CP-16QAM	H	Outer_Full	7.27	≤13	PASS
N7	15	10	CP-QPSK	L	Outer_Full	7.09	≤13	PASS
N7	15	10	CP-16QAM	L	Outer_Full	6.97	≤13	PASS
N7	15	10	CP-QPSK	M	Outer_Full	7.68	≤13	PASS
N7	15	10	CP-16QAM	M	Outer_Full	7.78	≤13	PASS
N7	15	10	CP-QPSK	H	Outer_Full	7.35	≤13	PASS
N7	15	10	CP-16QAM	H	Outer_Full	7.21	≤13	PASS
N7	15	15	CP-QPSK	L	Outer_Full	6.97	≤13	PASS
N7	15	15	CP-16QAM	L	Outer_Full	6.98	≤13	PASS
N7	15	15	CP-QPSK	M	Outer_Full	7.56	≤13	PASS
N7	15	15	CP-16QAM	M	Outer_Full	7.60	≤13	PASS
N7	15	15	CP-QPSK	H	Outer_Full	6.77	≤13	PASS
N7	15	15	CP-16QAM	H	Outer_Full	7.38	≤13	PASS
N7	15	20	CP-QPSK	L	Outer_Full	6.99	≤13	PASS
N7	15	20	CP-16QAM	L	Outer_Full	6.86	≤13	PASS
N7	15	20	CP-QPSK	M	Outer_Full	7.41	≤13	PASS
N7	15	20	CP-16QAM	M	Outer_Full	7.45	≤13	PASS
N7	15	20	CP-QPSK	H	Outer_Full	7.09	≤13	PASS
N7	15	20	CP-16QAM	H	Outer_Full	7.03	≤13	PASS

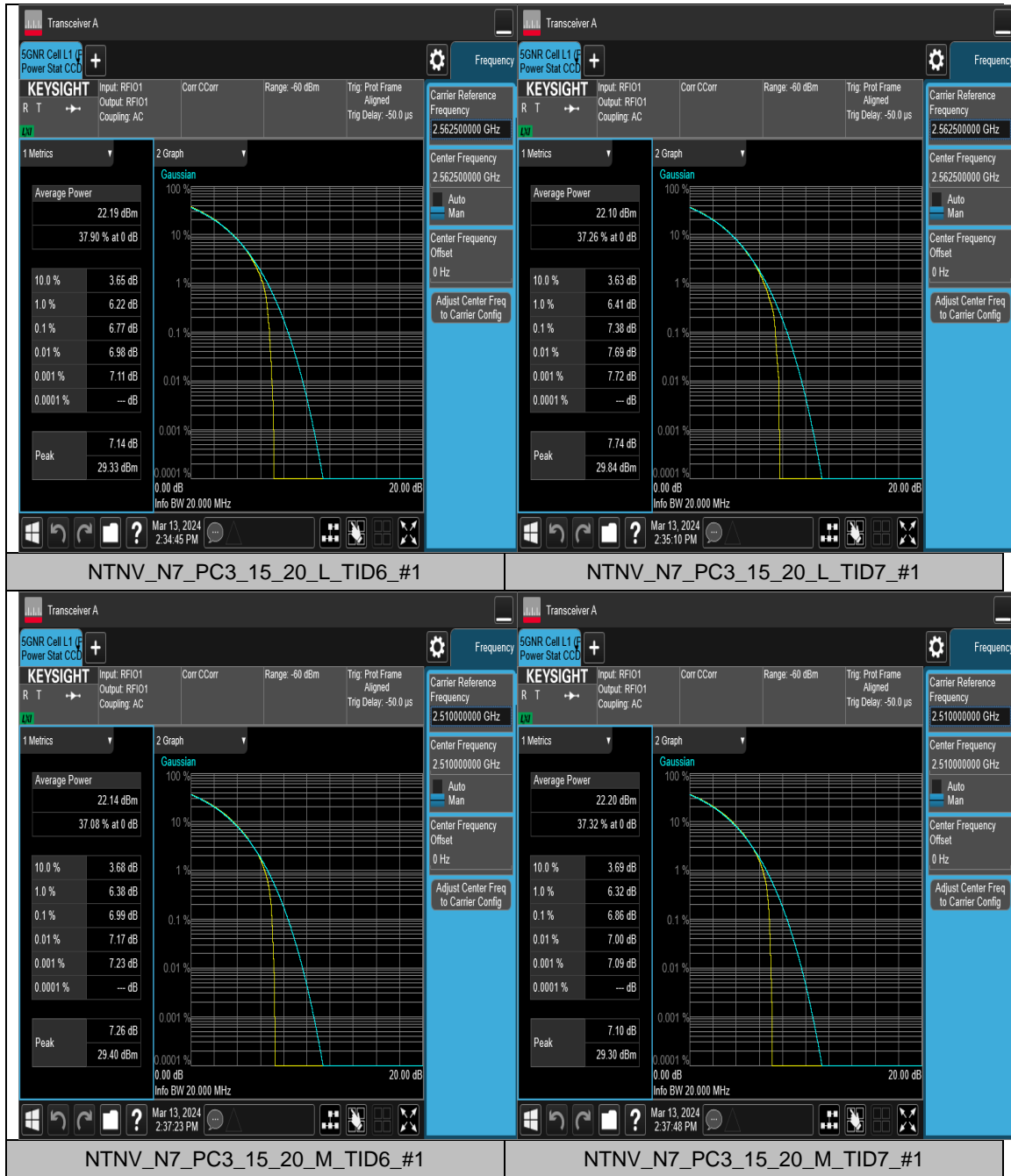
Test Graphs

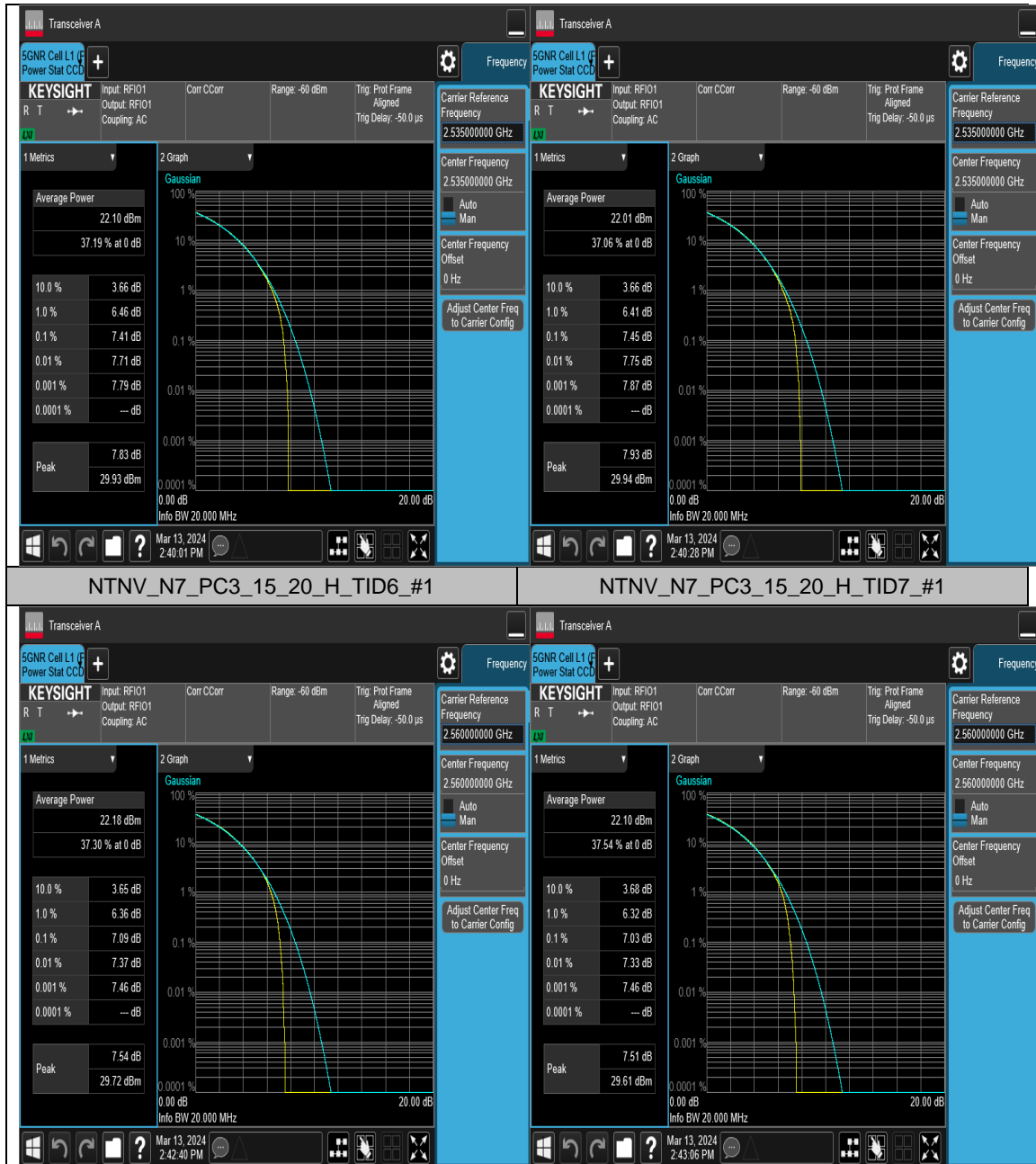








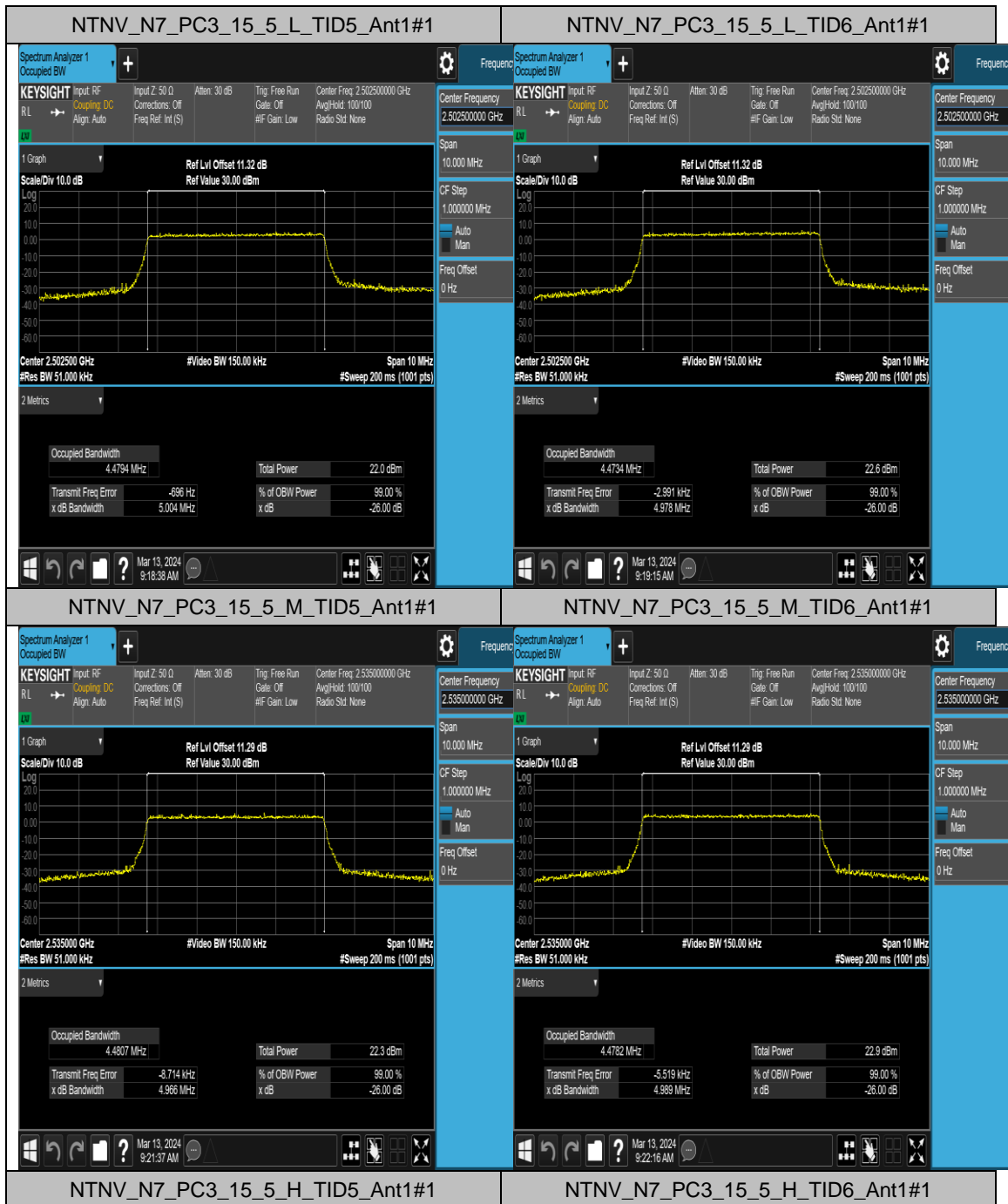


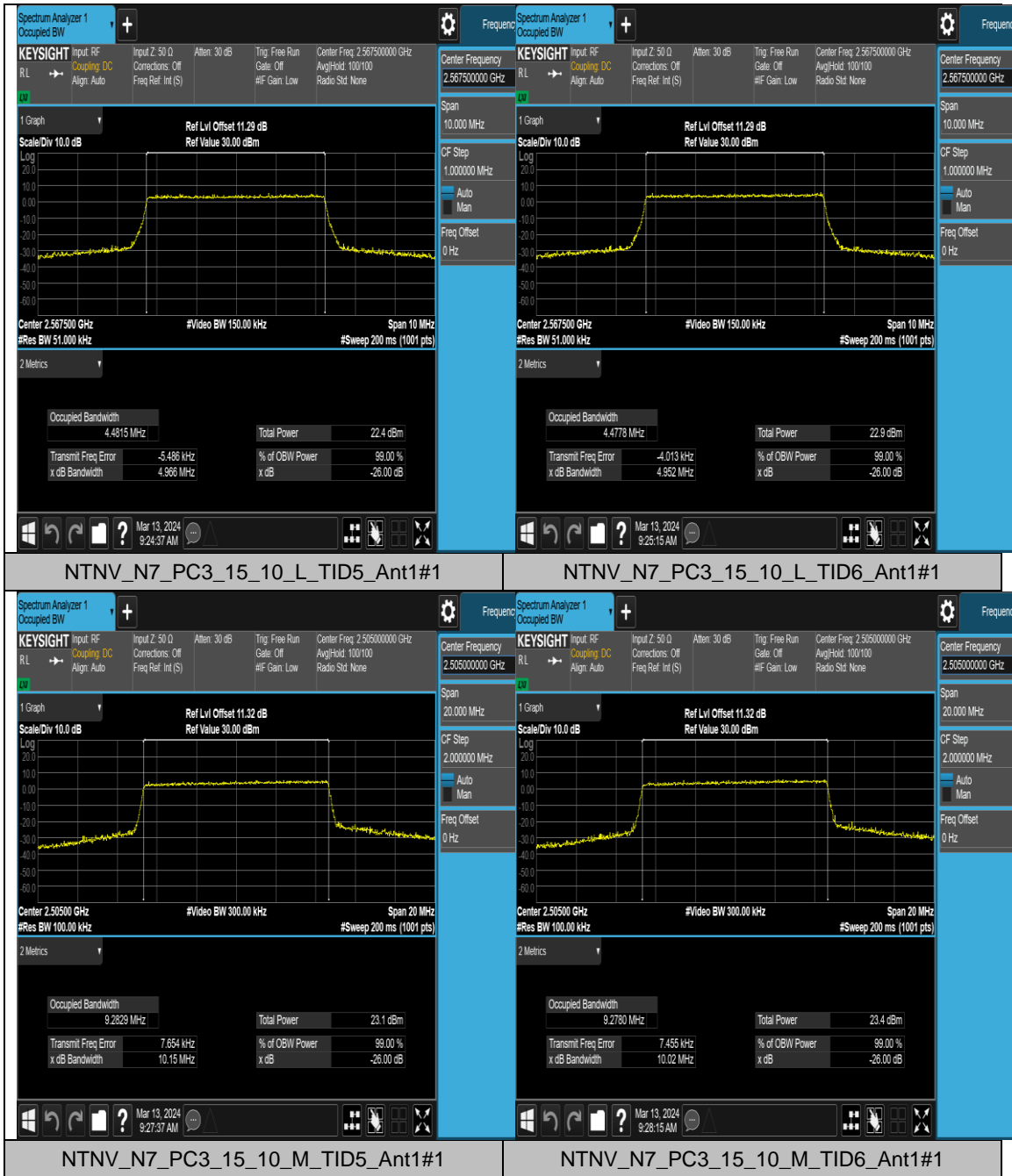


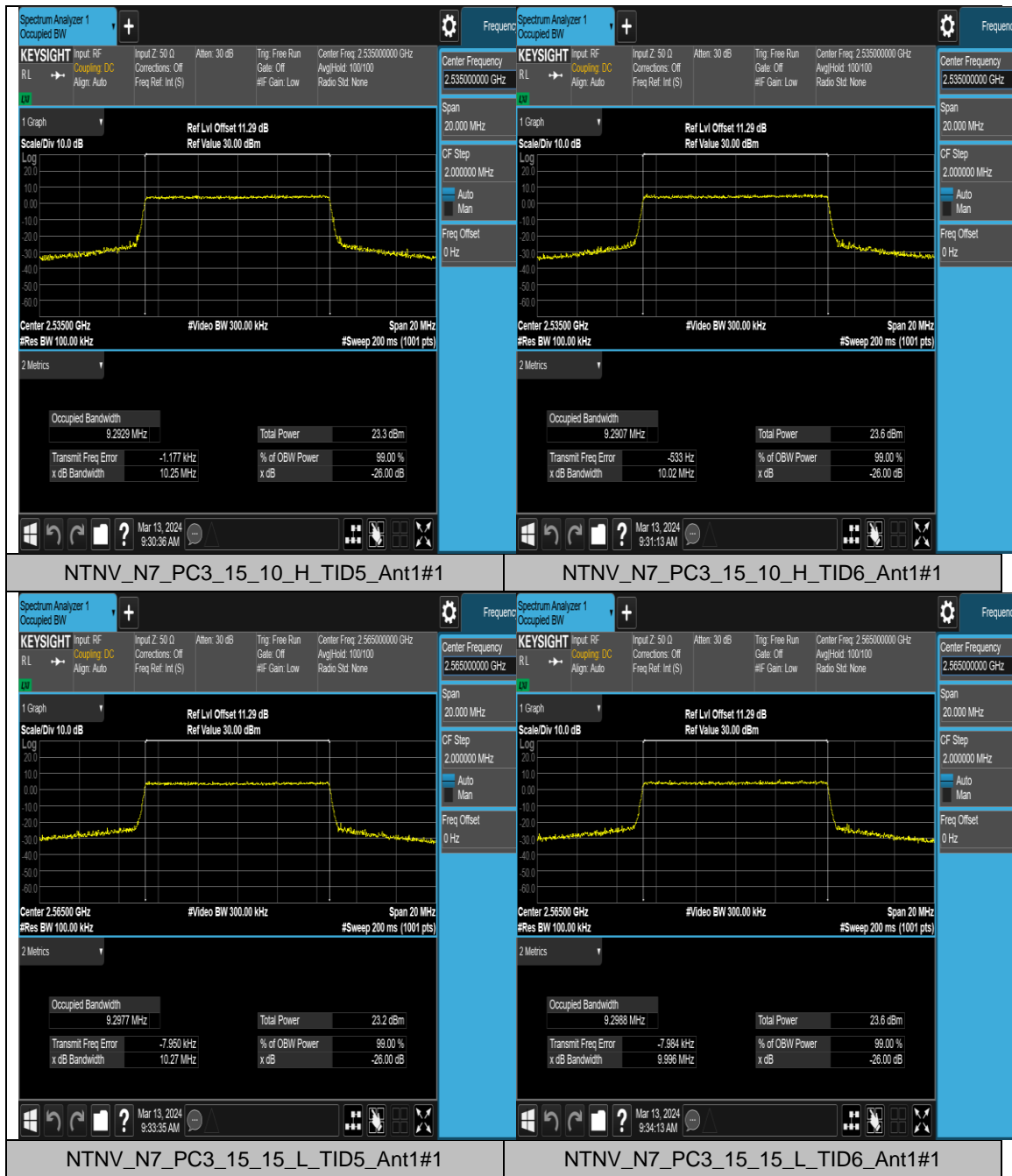
Appendix C: 26dB Bandwidth and Occupied Bandwidth for SA**Test Result**

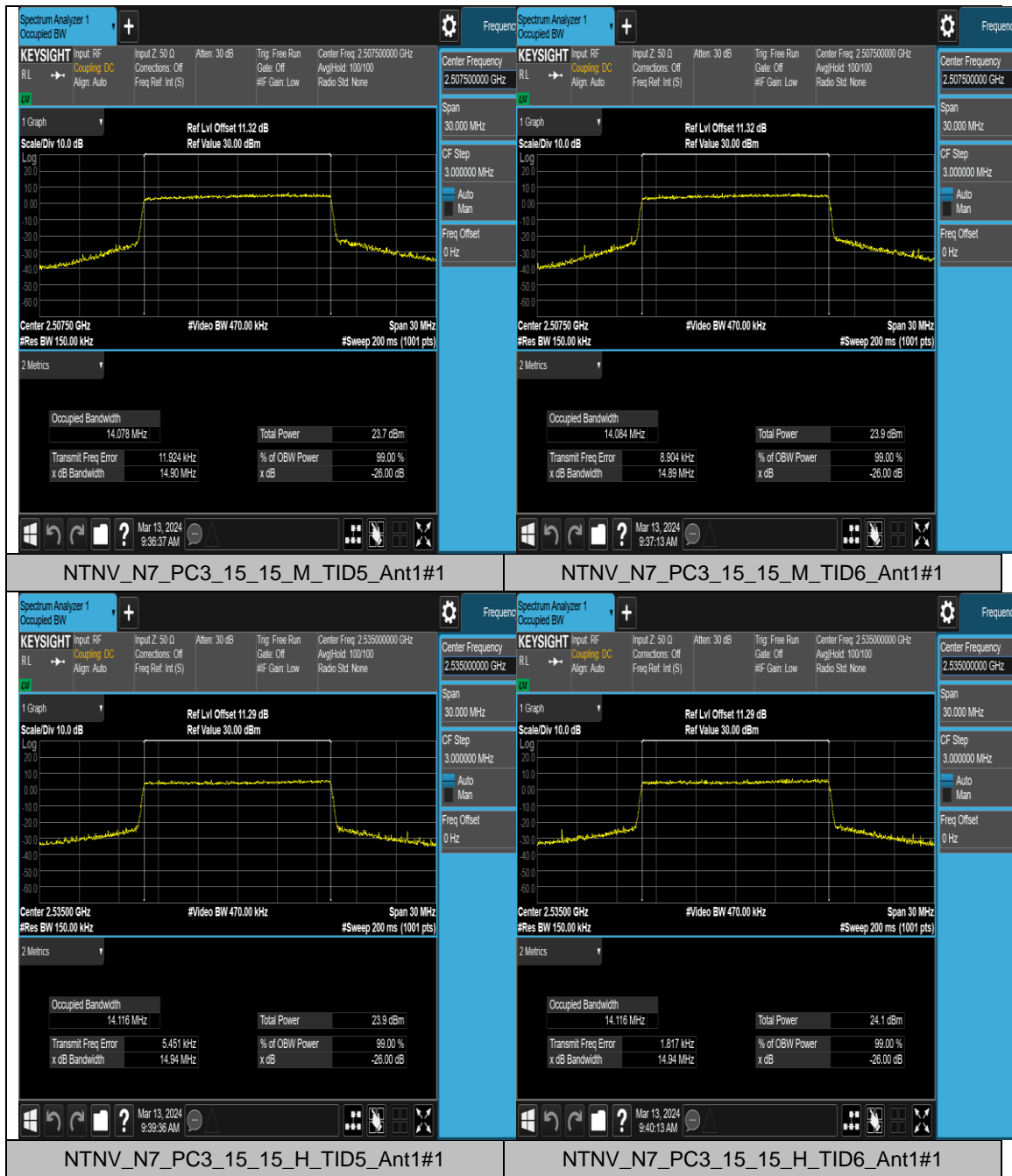
Band	SCS	Bandwidth	Modulation	Channel	RB Config	Result (99%)	Result (26dB)	Verdict
N7	15	5	CP-QPSK	L	Outer_Full	4.4794	5.004	PASS
N7	15	5	CP-16QAM	L	Outer_Full	4.4734	4.978	PASS
N7	15	5	CP-QPSK	M	Outer_Full	4.4807	4.966	PASS
N7	15	5	CP-16QAM	M	Outer_Full	4.4782	4.989	PASS
N7	15	5	CP-QPSK	H	Outer_Full	4.4815	4.966	PASS
N7	15	5	CP-16QAM	H	Outer_Full	4.4778	4.952	PASS
N7	15	10	CP-QPSK	L	Outer_Full	9.2829	10.15	PASS
N7	15	10	CP-16QAM	L	Outer_Full	9.2780	10.02	PASS
N7	15	10	CP-QPSK	M	Outer_Full	9.2929	10.25	PASS
N7	15	10	CP-16QAM	M	Outer_Full	9.2907	10.02	PASS
N7	15	10	CP-QPSK	H	Outer_Full	9.2977	10.27	PASS
N7	15	10	CP-16QAM	H	Outer_Full	9.2988	9.996	PASS
N7	15	15	CP-QPSK	L	Outer_Full	14.078	14.90	PASS
N7	15	15	CP-16QAM	L	Outer_Full	14.084	14.89	PASS
N7	15	15	CP-QPSK	M	Outer_Full	14.116	14.94	PASS
N7	15	15	CP-16QAM	M	Outer_Full	14.116	14.94	PASS
N7	15	15	CP-QPSK	H	Outer_Full	14.121	15.36	PASS
N7	15	15	CP-16QAM	H	Outer_Full	14.121	14.95	PASS
N7	15	20	CP-QPSK	L	Outer_Full	18.836	19.79	PASS
N7	15	20	CP-16QAM	L	Outer_Full	18.849	19.76	PASS
N7	15	20	CP-QPSK	M	Outer_Full	18.936	19.87	PASS
N7	15	20	CP-16QAM	M	Outer_Full	18.924	19.71	PASS
N7	15	20	CP-QPSK	H	Outer_Full	18.928	20.25	PASS
N7	15	20	CP-16QAM	H	Outer_Full	18.948	21.95	PASS

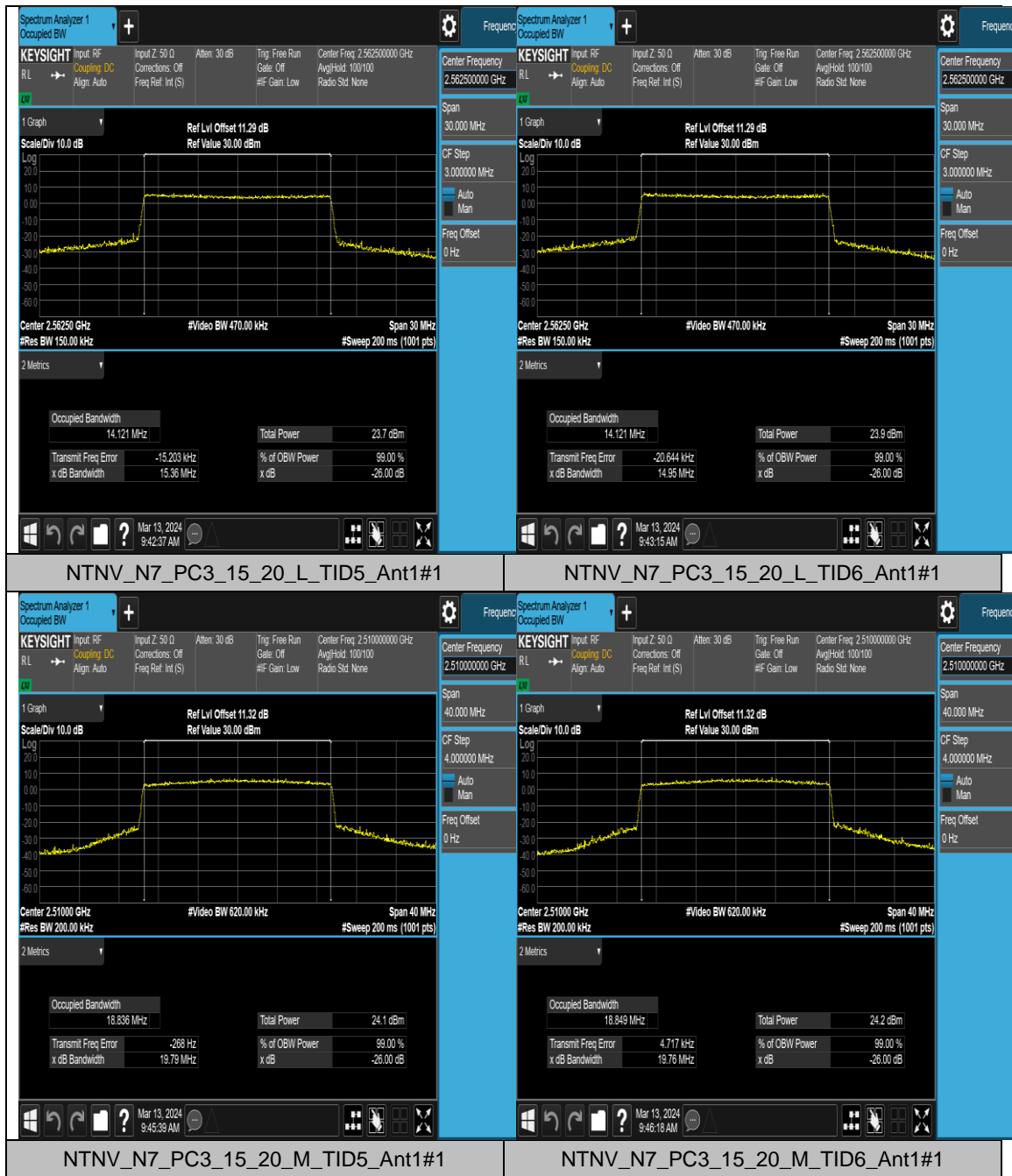
Test Graphs

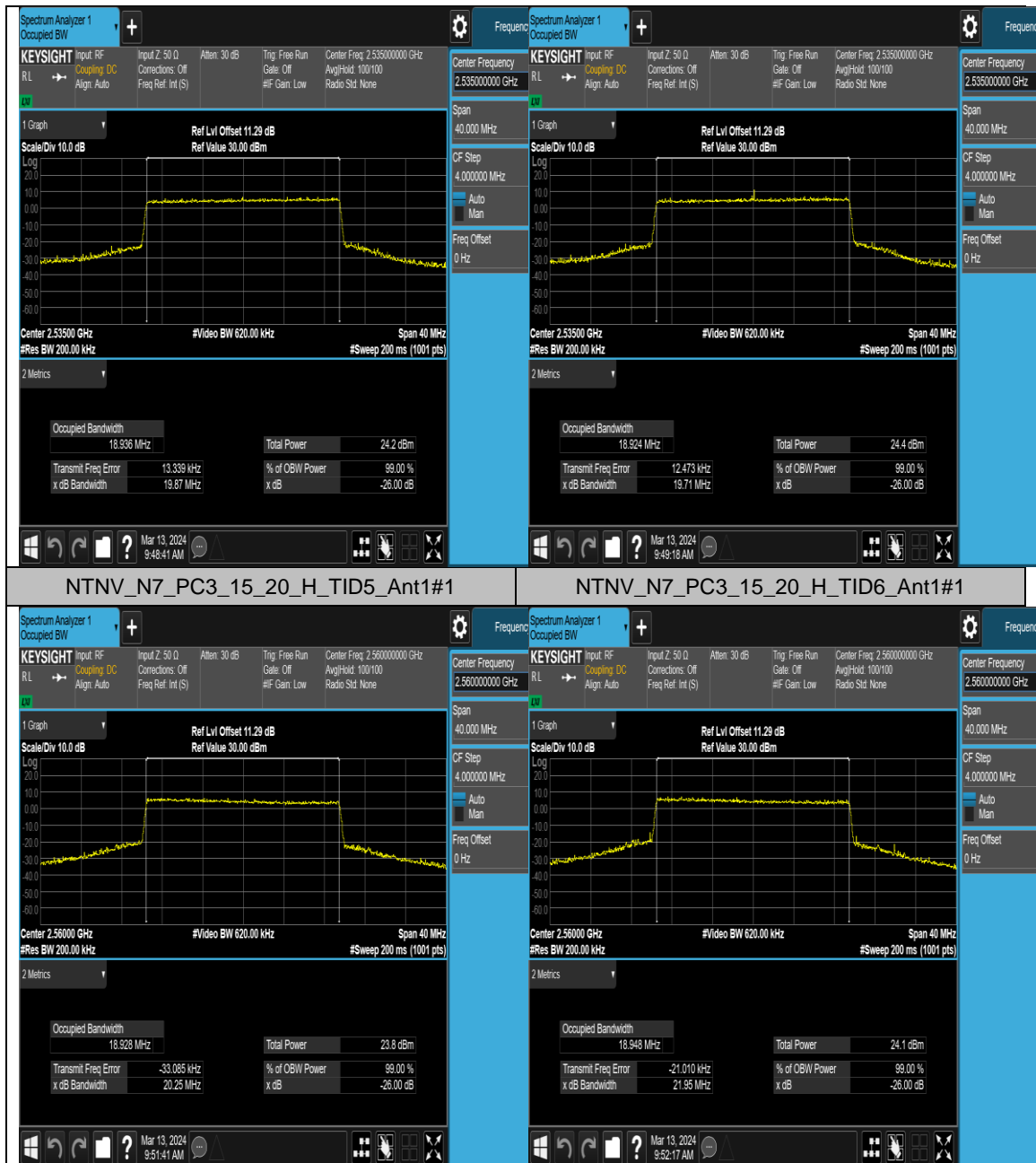












Appendix D: Band Edge for SA**Test Result**

Band	SCS	Bandwidth	Modulation	Channel	RB Config	Verdict
N7	15	5	CP-QPSK	L	Outer_Full	PASS
N7	15	5	CP-QPSK	L	Edge_1RB_Left	PASS
N7	15	5	CP-16QAM	L	Outer_Full	PASS
N7	15	5	CP-16QAM	L	Edge_1RB_Left	PASS
N7	15	5	CP-QPSK	H	Outer_Full	PASS
N7	15	5	CP-QPSK	H	Edge_1RB_Right	PASS
N7	15	5	CP-16QAM	H	Outer_Full	PASS
N7	15	5	CP-16QAM	H	Edge_1RB_Right	PASS
N7	15	10	CP-QPSK	L	Outer_Full	PASS
N7	15	10	CP-QPSK	L	Edge_1RB_Left	PASS
N7	15	10	CP-16QAM	L	Outer_Full	PASS
N7	15	10	CP-16QAM	L	Edge_1RB_Left	PASS
N7	15	10	CP-QPSK	H	Outer_Full	PASS
N7	15	10	CP-QPSK	H	Edge_1RB_Right	PASS
N7	15	10	CP-16QAM	H	Outer_Full	PASS
N7	15	10	CP-16QAM	H	Edge_1RB_Right	PASS
N7	15	15	CP-QPSK	L	Outer_Full	PASS
N7	15	15	CP-QPSK	L	Edge_1RB_Left	PASS
N7	15	15	CP-16QAM	L	Outer_Full	PASS
N7	15	15	CP-16QAM	L	Edge_1RB_Left	PASS
N7	15	15	CP-QPSK	H	Outer_Full	PASS
N7	15	15	CP-QPSK	H	Edge_1RB_Right	PASS
N7	15	15	CP-16QAM	H	Outer_Full	PASS
N7	15	15	CP-16QAM	H	Edge_1RB_Right	PASS
N7	15	20	CP-QPSK	L	Outer_Full	PASS
N7	15	20	CP-QPSK	L	Edge_1RB_Left	PASS
N7	15	20	CP-16QAM	L	Outer_Full	PASS
N7	15	20	CP-16QAM	L	Edge_1RB_Left	PASS
N7	15	20	CP-QPSK	H	Outer_Full	PASS
N7	15	20	CP-QPSK	H	Edge_1RB_Right	PASS
N7	15	20	CP-16QAM	H	Outer_Full	PASS
N7	15	20	CP-16QAM	H	Edge_1RB_Right	PASS

Test Graphs

