

Appendix for n25

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
N25	15	5	CP-QPSK	L	Outer_Full	21.49	PC3	PASS
N25	15	5	CP-QPSK	L	Edge_1RB_Left	21.65	PC3	PASS
N25	15	5	CP-QPSK	L	Inner_Full	23.08	PC3	PASS
N25	15	5	CP-QPSK	L	Edge_1RB_Right	21.37	PC3	PASS
N25	15	5	CP-16QAM	L	Outer_Full	21.68	PC3	PASS
N25	15	5	CP-16QAM	L	Edge_1RB_Left	21.12	PC3	PASS
N25	15	5	CP-16QAM	L	Inner_Full	22.53	PC3	PASS
N25	15	5	CP-16QAM	L	Edge_1RB_Right	21.67	PC3	PASS
N25	15	5	CP-QPSK	M	Outer_Full	21.77	PC3	PASS
N25	15	5	CP-QPSK	M	Edge_1RB_Left	21.48	PC3	PASS
N25	15	5	CP-QPSK	M	Inner_Full	23.12	PC3	PASS
N25	15	5	CP-QPSK	M	Edge_1RB_Right	21.81	PC3	PASS
N25	15	5	CP-16QAM	M	Outer_Full	21.74	PC3	PASS
N25	15	5	CP-16QAM	M	Edge_1RB_Left	21.92	PC3	PASS
N25	15	5	CP-16QAM	M	Inner_Full	22.40	PC3	PASS
N25	15	5	CP-16QAM	M	Edge_1RB_Right	21.54	PC3	PASS
N25	15	5	CP-QPSK	H	Outer_Full	22.00	PC3	PASS
N25	15	5	CP-QPSK	H	Edge_1RB_Left	22.04	PC3	PASS
N25	15	5	CP-QPSK	H	Inner_Full	23.50	PC3	PASS
N25	15	5	CP-QPSK	H	Edge_1RB_Right	22.15	PC3	PASS
N25	15	5	CP-16QAM	H	Outer_Full	22.03	PC3	PASS
N25	15	5	CP-16QAM	H	Edge_1RB_Left	21.91	PC3	PASS
N25	15	5	CP-16QAM	H	Inner_Full	22.94	PC3	PASS
N25	15	5	CP-16QAM	H	Edge_1RB_Right	22.18	PC3	PASS
N25	15	10	CP-QPSK	L	Outer_Full	21.56	PC3	PASS
N25	15	10	CP-QPSK	L	Edge_1RB_Left	21.57	PC3	PASS
N25	15	10	CP-QPSK	L	Inner_Full	23.22	PC3	PASS
N25	15	10	CP-QPSK	L	Edge_1RB_Right	21.77	PC3	PASS
N25	15	10	CP-16QAM	L	Outer_Full	21.77	PC3	PASS
N25	15	10	CP-16QAM	L	Edge_1RB_Left	21.58	PC3	PASS
N25	15	10	CP-16QAM	L	Inner_Full	22.52	PC3	PASS
N25	15	10	CP-16QAM	L	Edge_1RB_Right	21.57	PC3	PASS
N25	15	10	CP-QPSK	M	Outer_Full	21.74	PC3	PASS
N25	15	10	CP-QPSK	M	Edge_1RB_Left	21.65	PC3	PASS
N25	15	10	CP-QPSK	M	Inner_Full	23.19	PC3	PASS
N25	15	10	CP-QPSK	M	Edge_1RB_Right	21.63	PC3	PASS

Waltek Testing Group (Shenzhen) Co., Ltd.

<http://www.waltek.com.cn>

N25	15	10	CP-16QAM	M	Outer_Full	21.72	PC3	PASS
N25	15	10	CP-16QAM	M	Edge_1RB_Left	21.42	PC3	PASS
N25	15	10	CP-16QAM	M	Inner_Full	22.58	PC3	PASS
N25	15	10	CP-16QAM	M	Edge_1RB_Right	21.48	PC3	PASS
N25	15	10	CP-QPSK	H	Outer_Full	21.94	PC3	PASS
N25	15	10	CP-QPSK	H	Edge_1RB_Left	22.22	PC3	PASS
N25	15	10	CP-QPSK	H	Inner_Full	23.65	PC3	PASS
N25	15	10	CP-QPSK	H	Edge_1RB_Right	21.77	PC3	PASS
N25	15	10	CP-16QAM	H	Outer_Full	21.94	PC3	PASS
N25	15	10	CP-16QAM	H	Edge_1RB_Left	21.55	PC3	PASS
N25	15	10	CP-16QAM	H	Inner_Full	23.00	PC3	PASS
N25	15	10	CP-16QAM	H	Edge_1RB_Right	22.07	PC3	PASS
N25	15	15	CP-QPSK	L	Outer_Full	21.87	PC3	PASS
N25	15	15	CP-QPSK	L	Edge_1RB_Left	21.71	PC3	PASS
N25	15	15	CP-QPSK	L	Inner_Full	23.21	PC3	PASS
N25	15	15	CP-QPSK	L	Edge_1RB_Right	21.71	PC3	PASS
N25	15	15	CP-16QAM	L	Outer_Full	21.72	PC3	PASS
N25	15	15	CP-16QAM	L	Edge_1RB_Left	21.33	PC3	PASS
N25	15	15	CP-16QAM	L	Inner_Full	22.71	PC3	PASS
N25	15	15	CP-16QAM	L	Edge_1RB_Right	22.08	PC3	PASS
N25	15	15	CP-QPSK	M	Outer_Full	21.74	PC3	PASS
N25	15	15	CP-QPSK	M	Edge_1RB_Left	21.85	PC3	PASS
N25	15	15	CP-QPSK	M	Inner_Full	23.12	PC3	PASS
N25	15	15	CP-QPSK	M	Edge_1RB_Right	21.68	PC3	PASS
N25	15	15	CP-16QAM	M	Outer_Full	21.83	PC3	PASS
N25	15	15	CP-16QAM	M	Edge_1RB_Left	21.86	PC3	PASS
N25	15	15	CP-16QAM	M	Inner_Full	22.86	PC3	PASS
N25	15	15	CP-16QAM	M	Edge_1RB_Right	21.50	PC3	PASS
N25	15	15	CP-QPSK	H	Outer_Full	21.90	PC3	PASS
N25	15	15	CP-QPSK	H	Edge_1RB_Left	21.78	PC3	PASS
N25	15	15	CP-QPSK	H	Inner_Full	23.63	PC3	PASS
N25	15	15	CP-QPSK	H	Edge_1RB_Right	22.14	PC3	PASS
N25	15	15	CP-16QAM	H	Outer_Full	22.00	PC3	PASS
N25	15	15	CP-16QAM	H	Edge_1RB_Left	21.80	PC3	PASS
N25	15	15	CP-16QAM	H	Inner_Full	23.06	PC3	PASS
N25	15	15	CP-16QAM	H	Edge_1RB_Right	21.76	PC3	PASS
N25	15	20	CP-QPSK	L	Outer_Full	21.71	PC3	PASS
N25	15	20	CP-QPSK	L	Edge_1RB_Left	21.63	PC3	PASS
N25	15	20	CP-QPSK	L	Inner_Full	23.26	PC3	PASS
N25	15	20	CP-QPSK	L	Edge_1RB_Right	21.83	PC3	PASS
N25	15	20	CP-16QAM	L	Outer_Full	21.76	PC3	PASS
N25	15	20	CP-16QAM	L	Edge_1RB_Left	21.64	PC3	PASS

N25	15	20	CP-16QAM	L	Inner_Full	22.72	PC3	PASS
N25	15	20	CP-16QAM	L	Edge_1RB_Right	22.31	PC3	PASS
N25	15	20	CP-QPSK	M	Outer_Full	21.80	PC3	PASS
N25	15	20	CP-QPSK	M	Edge_1RB_Left	21.88	PC3	PASS
N25	15	20	CP-QPSK	M	Inner_Full	23.28	PC3	PASS
N25	15	20	CP-QPSK	M	Edge_1RB_Right	21.71	PC3	PASS
N25	15	20	CP-16QAM	M	Outer_Full	21.59	PC3	PASS
N25	15	20	CP-16QAM	M	Edge_1RB_Left	21.93	PC3	PASS
N25	15	20	CP-16QAM	M	Inner_Full	22.83	PC3	PASS
N25	15	20	CP-16QAM	M	Edge_1RB_Right	21.88	PC3	PASS
N25	15	20	CP-QPSK	H	Outer_Full	21.90	PC3	PASS
N25	15	20	CP-QPSK	H	Edge_1RB_Left	21.84	PC3	PASS
N25	15	20	CP-QPSK	H	Inner_Full	23.69	PC3	PASS
N25	15	20	CP-QPSK	H	Edge_1RB_Right	21.87	PC3	PASS
N25	15	20	CP-16QAM	H	Outer_Full	21.96	PC3	PASS
N25	15	20	CP-16QAM	H	Edge_1RB_Left	21.78	PC3	PASS
N25	15	20	CP-16QAM	H	Inner_Full	22.95	PC3	PASS
N25	15	20	CP-16QAM	H	Edge_1RB_Right	21.97	PC3	PASS

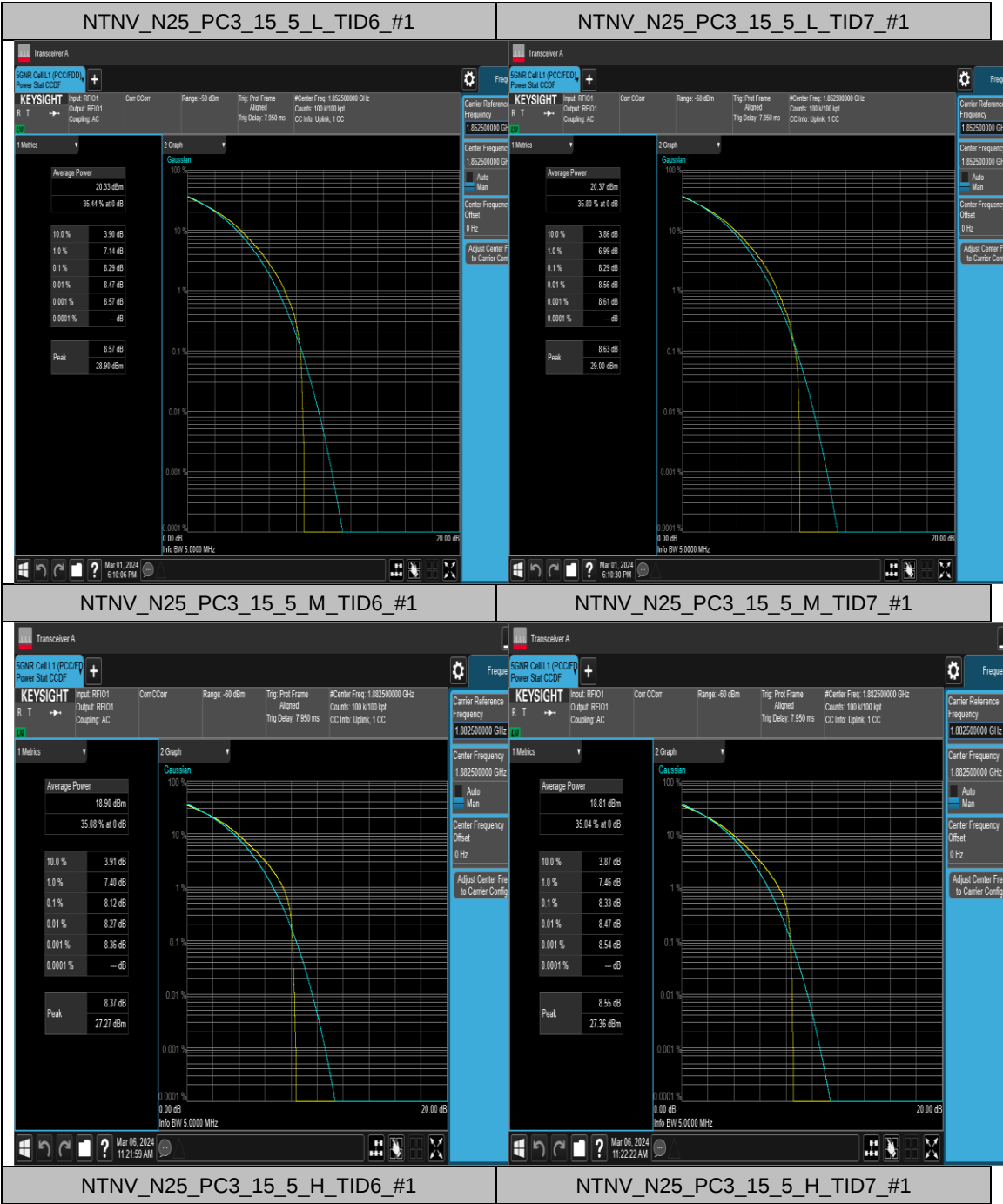
Appendix B: Peak-to-Average Ratio for SA

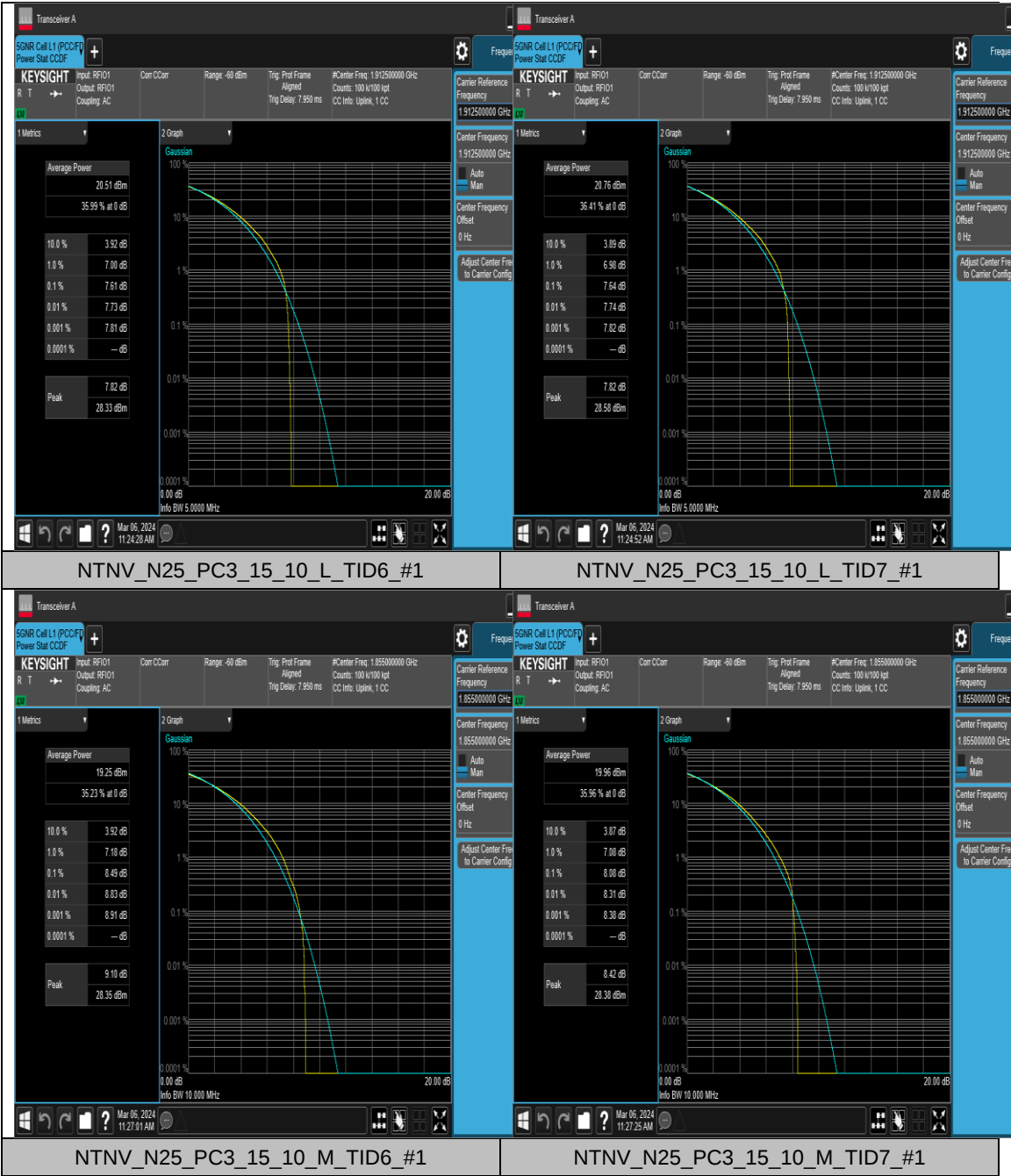
Peak-to-Average Ratio(CCDF)

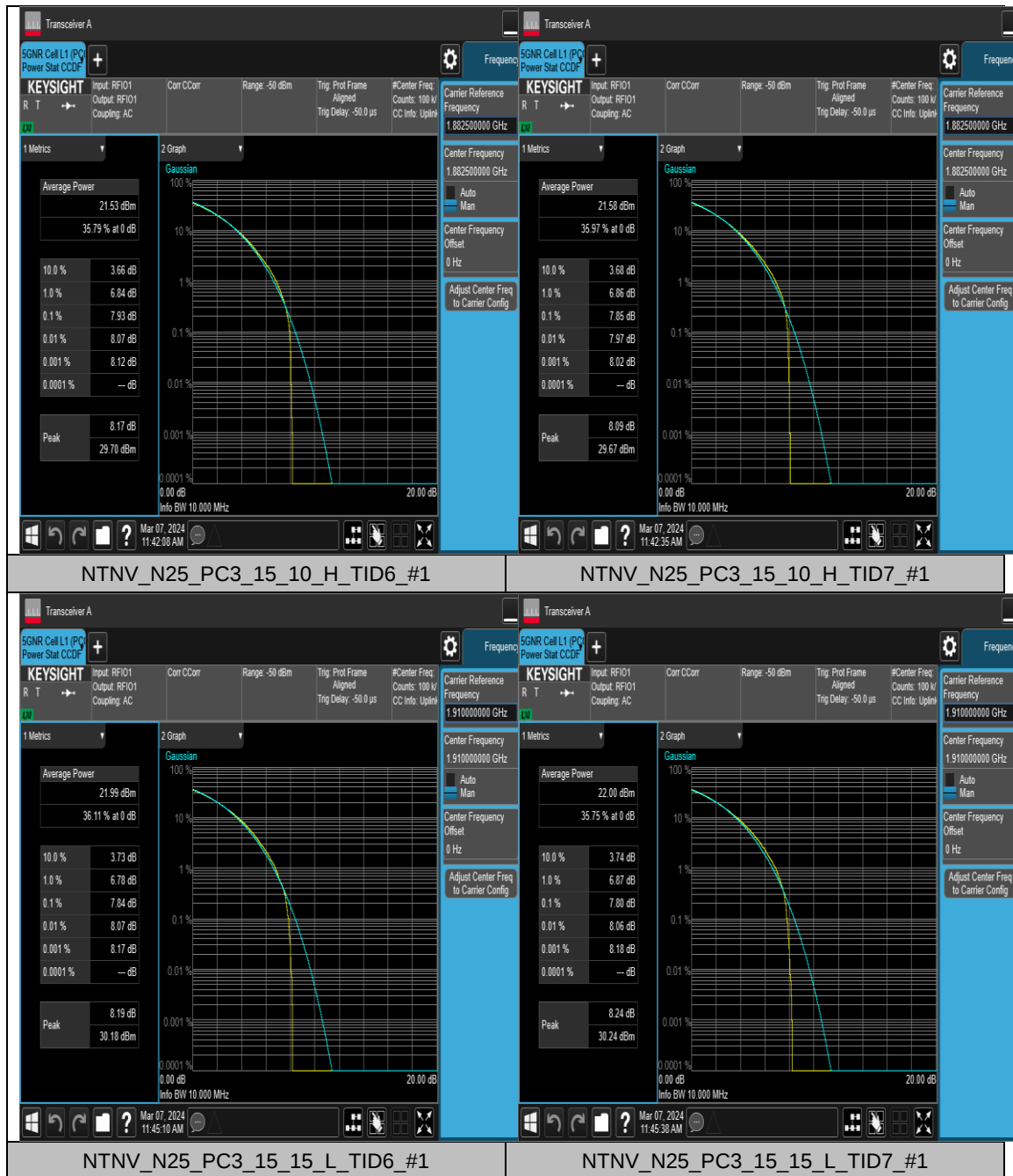
Test Result

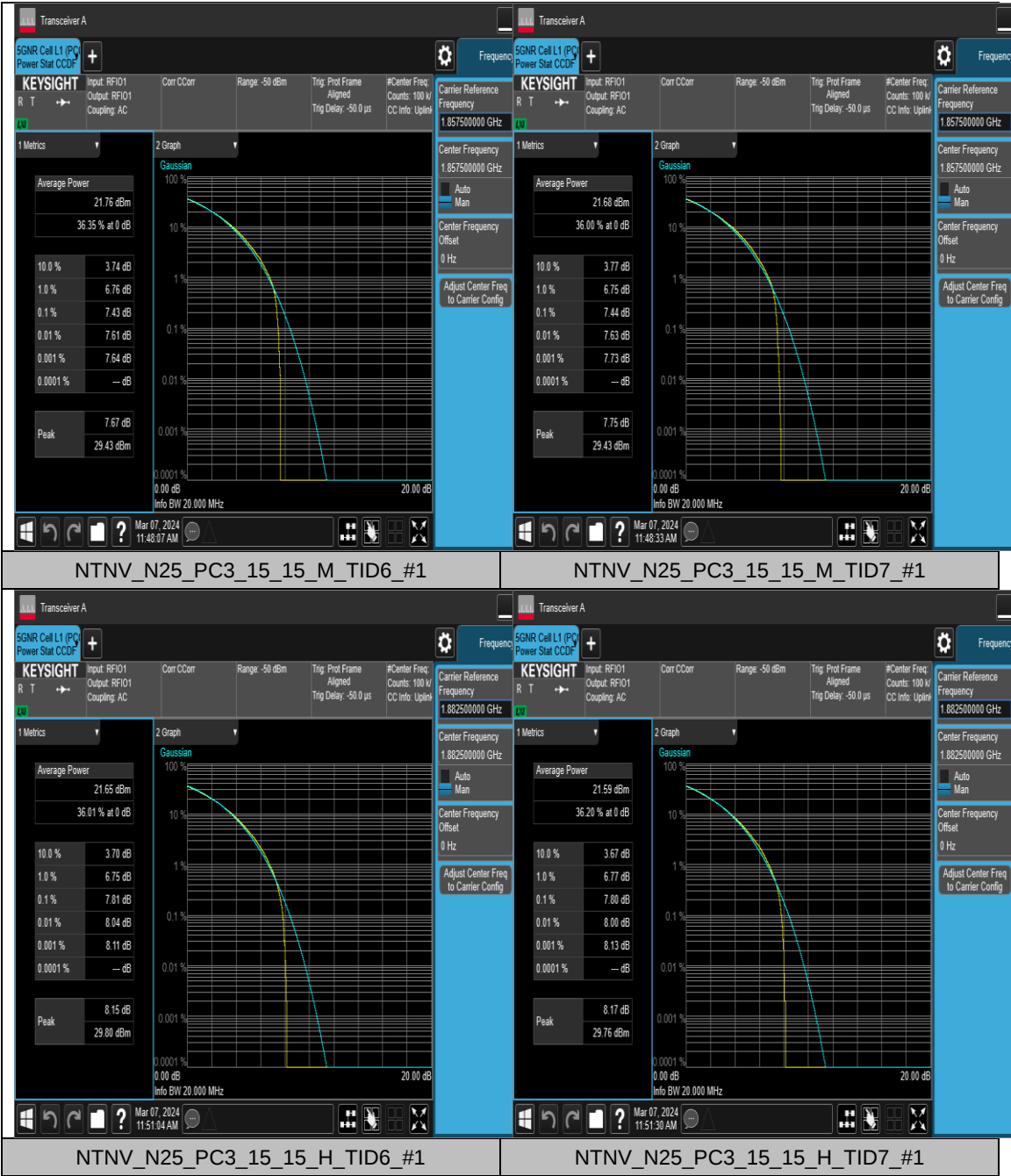
Band	SCS	Bandwidth	Modulation	Channel	RB Config	Result	Limit	Verdict
N25	15	5	CP-QPSK	L	Outer_Full	8.29	≤13	PASS
N25	15	5	CP-16QAM	L	Outer_Full	8.29	≤13	PASS
N25	15	5	CP-QPSK	M	Outer_Full	8.12	≤13	PASS
N25	15	5	CP-16QAM	M	Outer_Full	8.33	≤13	PASS
N25	15	5	CP-QPSK	H	Outer_Full	7.61	≤13	PASS
N25	15	5	CP-16QAM	H	Outer_Full	7.64	≤13	PASS
N25	15	10	CP-QPSK	L	Outer_Full	8.49	≤13	PASS
N25	15	10	CP-16QAM	L	Outer_Full	8.08	≤13	PASS
N25	15	10	CP-QPSK	M	Outer_Full	7.93	≤13	PASS
N25	15	10	CP-16QAM	M	Outer_Full	7.85	≤13	PASS
N25	15	10	CP-QPSK	H	Outer_Full	7.84	≤13	PASS
N25	15	10	CP-16QAM	H	Outer_Full	7.80	≤13	PASS
N25	15	15	CP-QPSK	L	Outer_Full	7.43	≤13	PASS
N25	15	15	CP-16QAM	L	Outer_Full	7.44	≤13	PASS
N25	15	15	CP-QPSK	M	Outer_Full	7.81	≤13	PASS
N25	15	15	CP-16QAM	M	Outer_Full	7.80	≤13	PASS
N25	15	15	CP-QPSK	H	Outer_Full	7.52	≤13	PASS
N25	15	15	CP-16QAM	H	Outer_Full	7.45	≤13	PASS
N25	15	20	CP-QPSK	L	Outer_Full	7.36	≤13	PASS
N25	15	20	CP-16QAM	L	Outer_Full	7.27	≤13	PASS
N25	15	20	CP-QPSK	M	Outer_Full	7.75	≤13	PASS
N25	15	20	CP-16QAM	M	Outer_Full	7.64	≤13	PASS
N25	15	20	CP-QPSK	H	Outer_Full	7.45	≤13	PASS
N25	15	20	CP-16QAM	H	Outer_Full	7.46	≤13	PASS

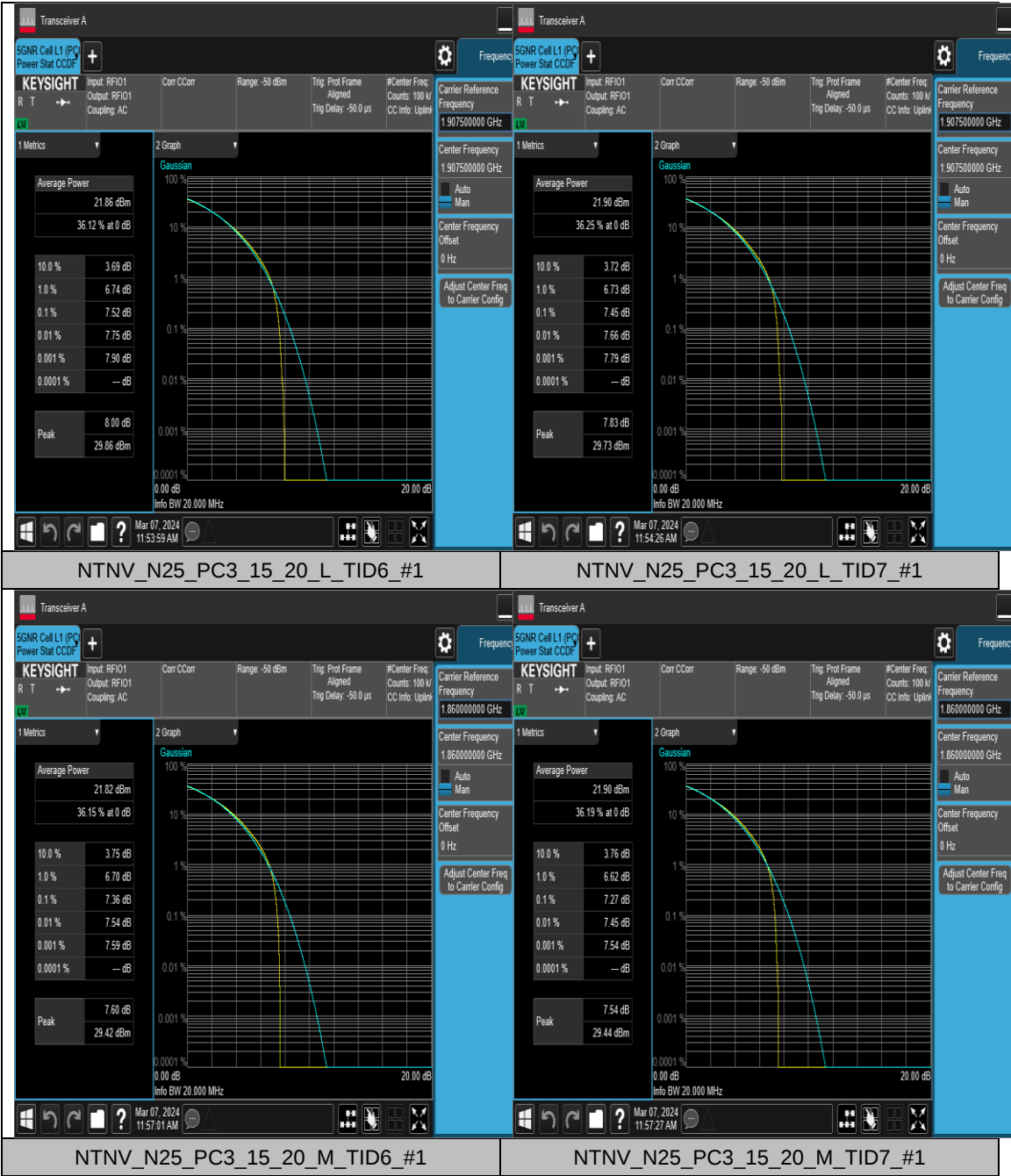
Test Graphs

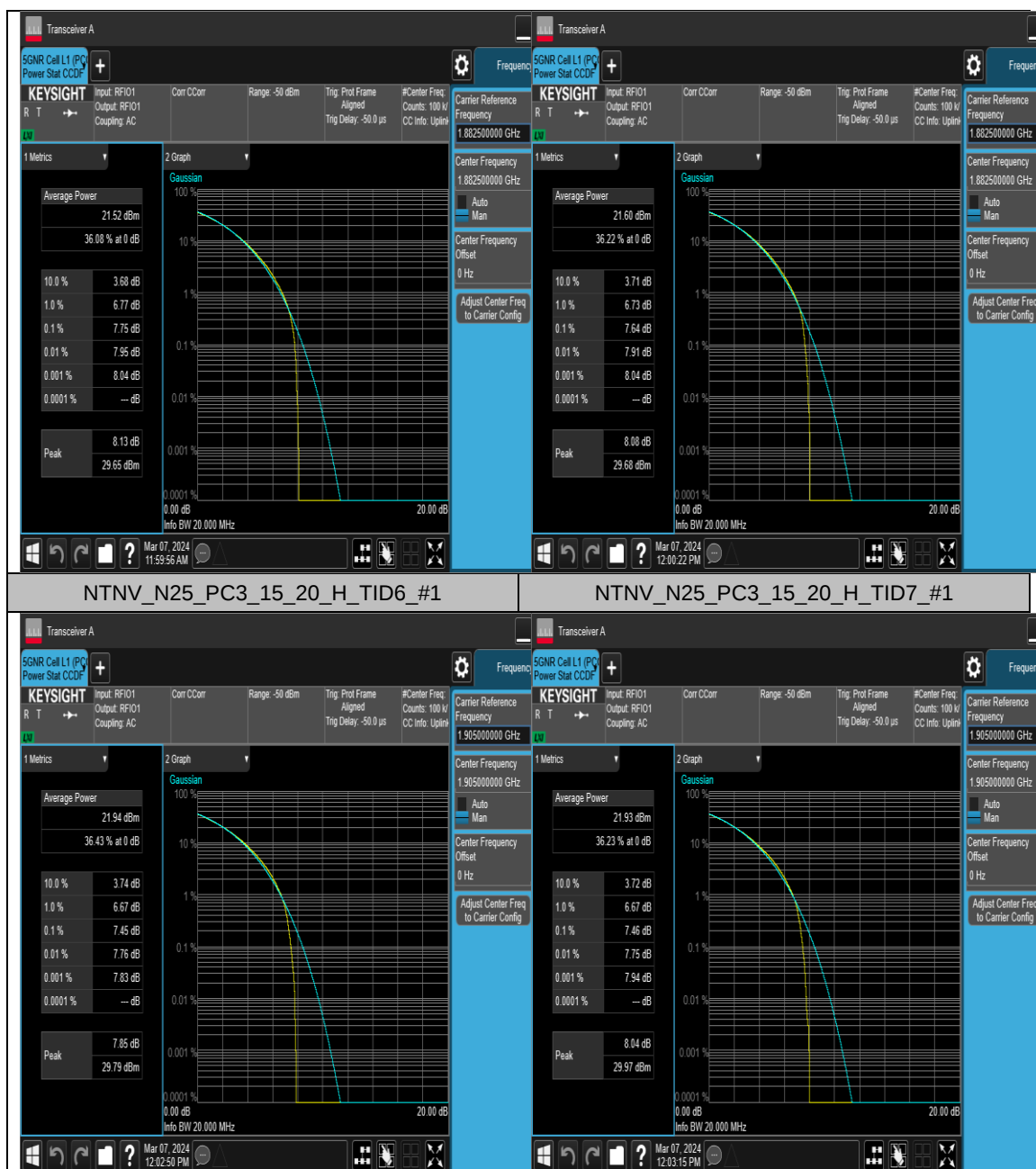










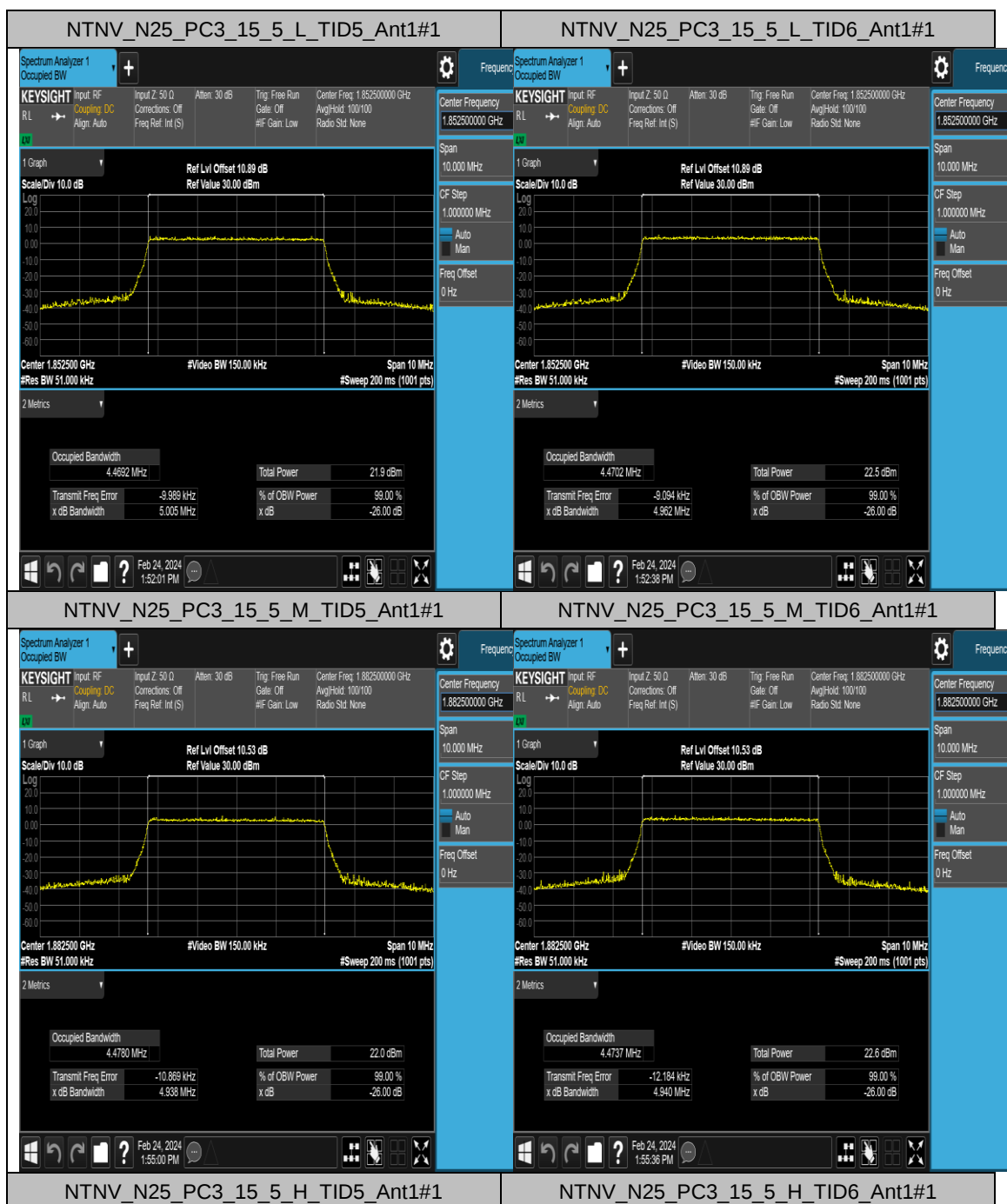


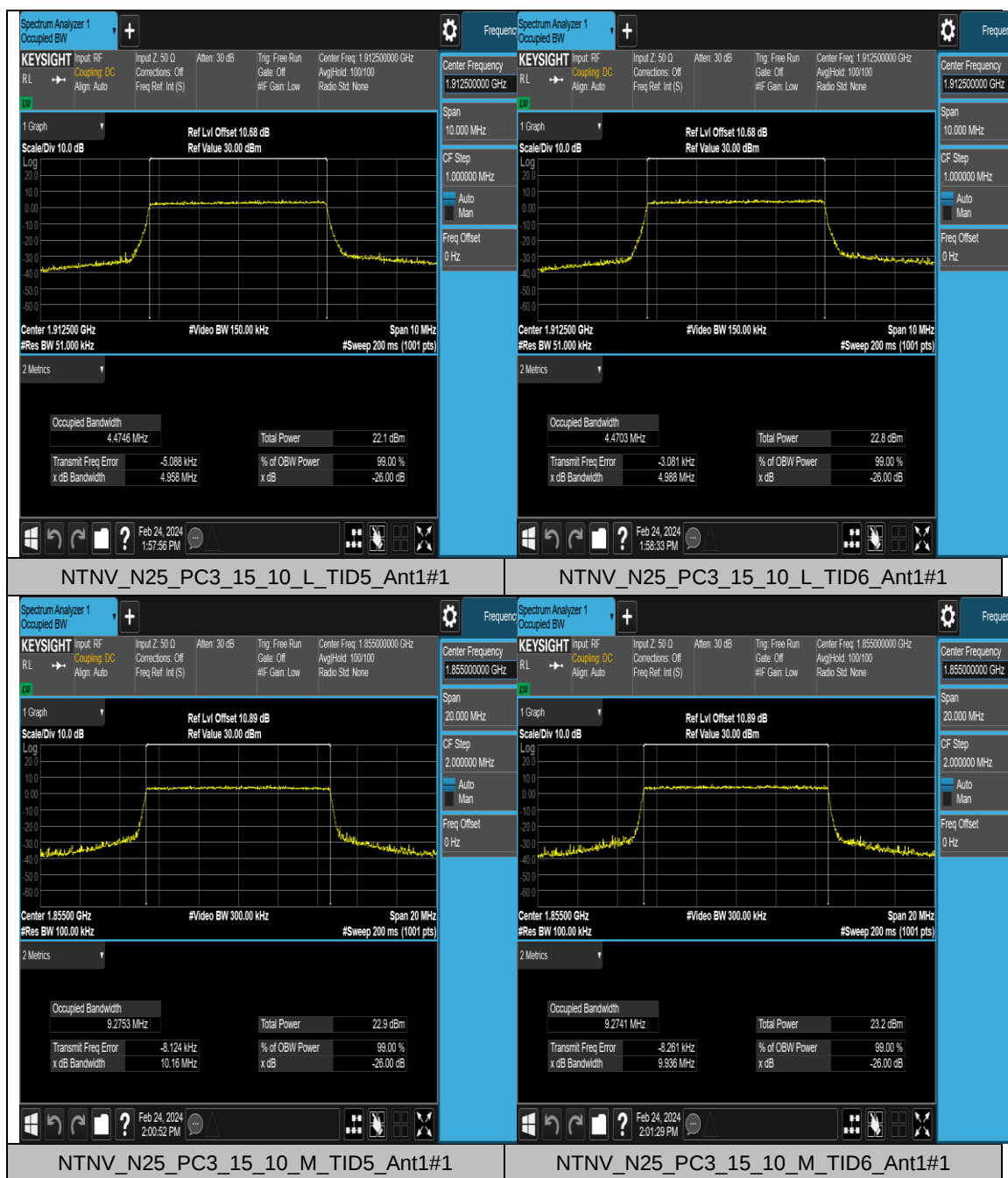
Appendix C: 26dB Bandwidth and Occupied Bandwidth for SA

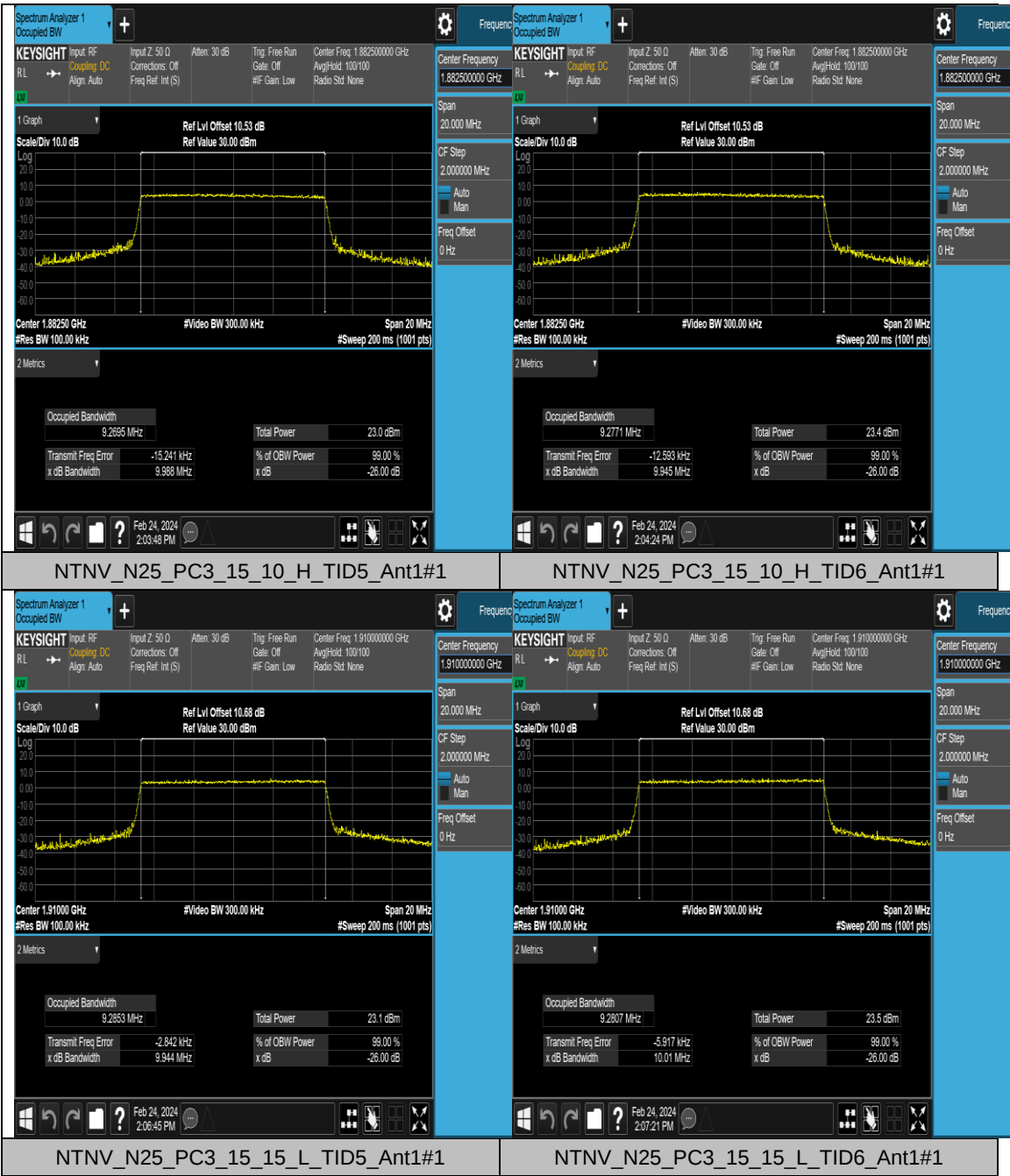
Test Result

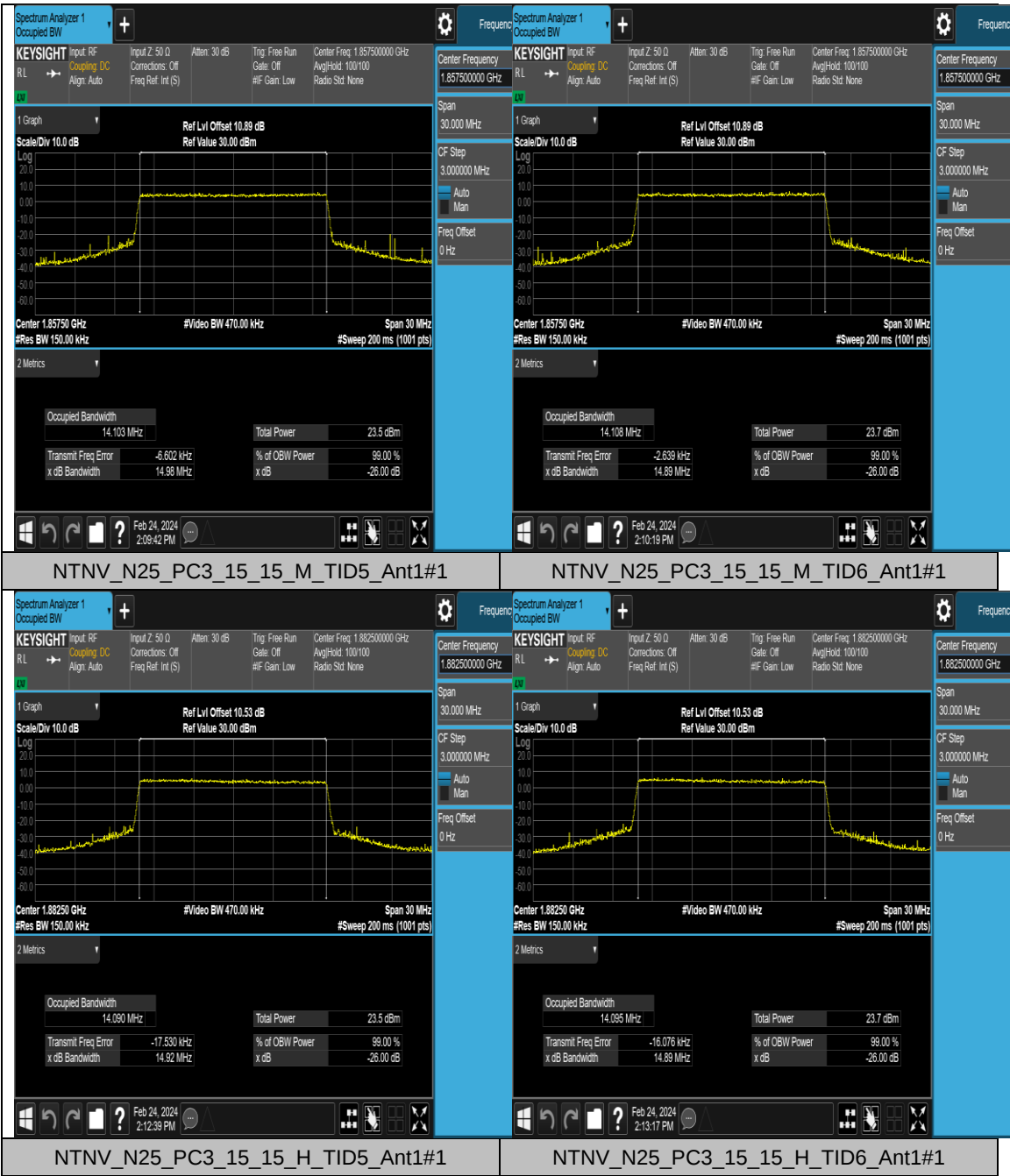
Band	SCS	Bandwidth	Modulation	Channel	RB Config	Result (99%)	Result (26dB)	Verdict
N25	15	5	CP-QPSK	L	Outer_Full	4.4692	5.005	PASS
N25	15	5	CP-16QAM	L	Outer_Full	4.4702	4.962	PASS
N25	15	5	CP-QPSK	M	Outer_Full	4.4780	4.938	PASS
N25	15	5	CP-16QAM	M	Outer_Full	4.4737	4.940	PASS
N25	15	5	CP-QPSK	H	Outer_Full	4.4746	4.958	PASS
N25	15	5	CP-16QAM	H	Outer_Full	4.4703	4.988	PASS
N25	15	10	CP-QPSK	L	Outer_Full	9.2753	10.16	PASS
N25	15	10	CP-16QAM	L	Outer_Full	9.2741	9.936	PASS
N25	15	10	CP-QPSK	M	Outer_Full	9.2695	9.988	PASS
N25	15	10	CP-16QAM	M	Outer_Full	9.2771	9.945	PASS
N25	15	10	CP-QPSK	H	Outer_Full	9.2853	9.944	PASS
N25	15	10	CP-16QAM	H	Outer_Full	9.2807	10.01	PASS
N25	15	15	CP-QPSK	L	Outer_Full	14.103	14.98	PASS
N25	15	15	CP-16QAM	L	Outer_Full	14.108	14.89	PASS
N25	15	15	CP-QPSK	M	Outer_Full	14.090	14.92	PASS
N25	15	15	CP-16QAM	M	Outer_Full	14.095	14.89	PASS
N25	15	15	CP-QPSK	H	Outer_Full	14.126	14.92	PASS
N25	15	15	CP-16QAM	H	Outer_Full	14.126	14.93	PASS
N25	15	20	CP-QPSK	L	Outer_Full	18.916	20.74	PASS
N25	15	20	CP-16QAM	L	Outer_Full	18.918	20.22	PASS
N25	15	20	CP-QPSK	M	Outer_Full	18.880	19.83	PASS
N25	15	20	CP-16QAM	M	Outer_Full	18.910	19.89	PASS
N25	15	20	CP-QPSK	H	Outer_Full	18.914	19.79	PASS
N25	15	20	CP-16QAM	H	Outer_Full	18.908	19.87	PASS

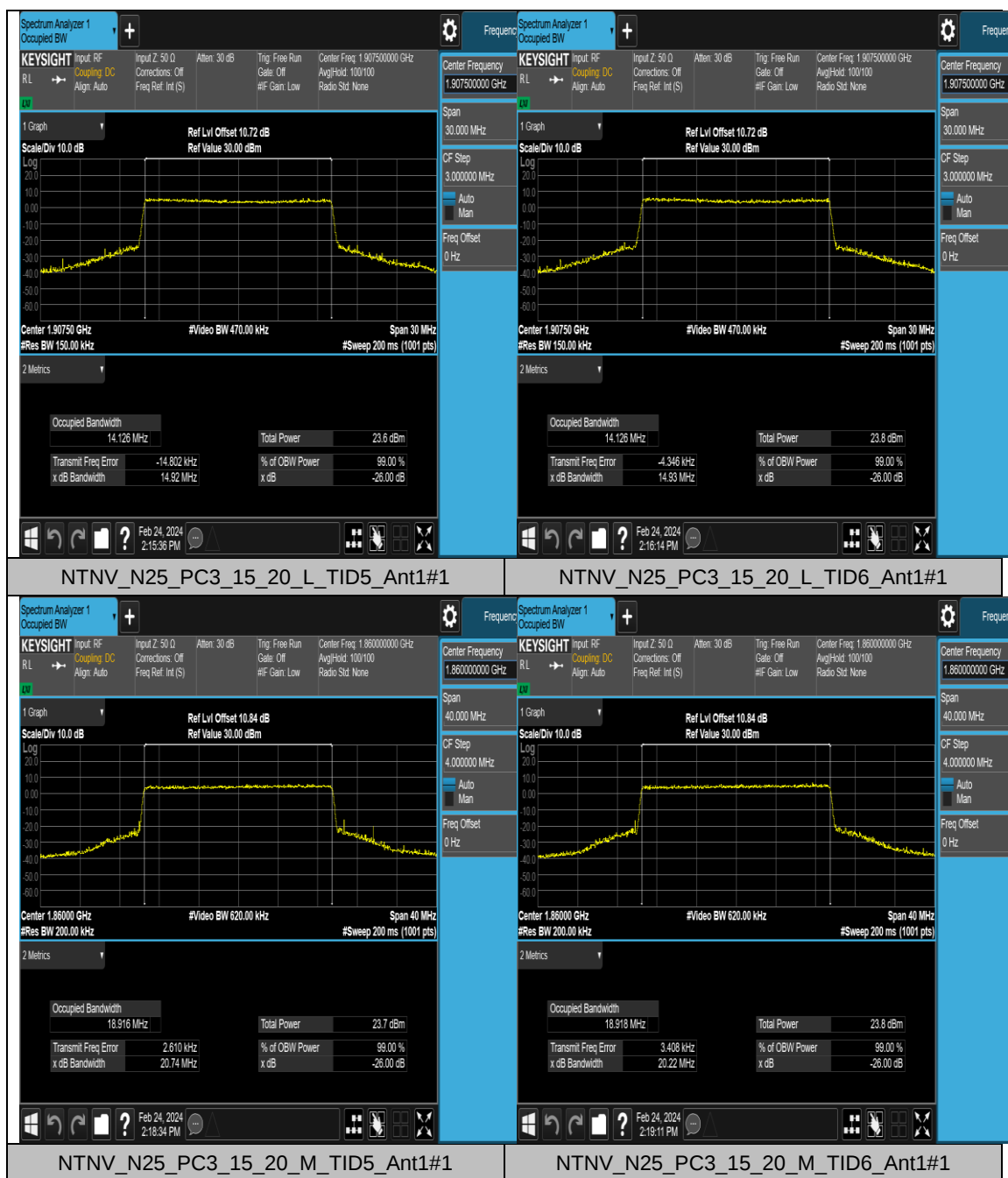
Test Graphs

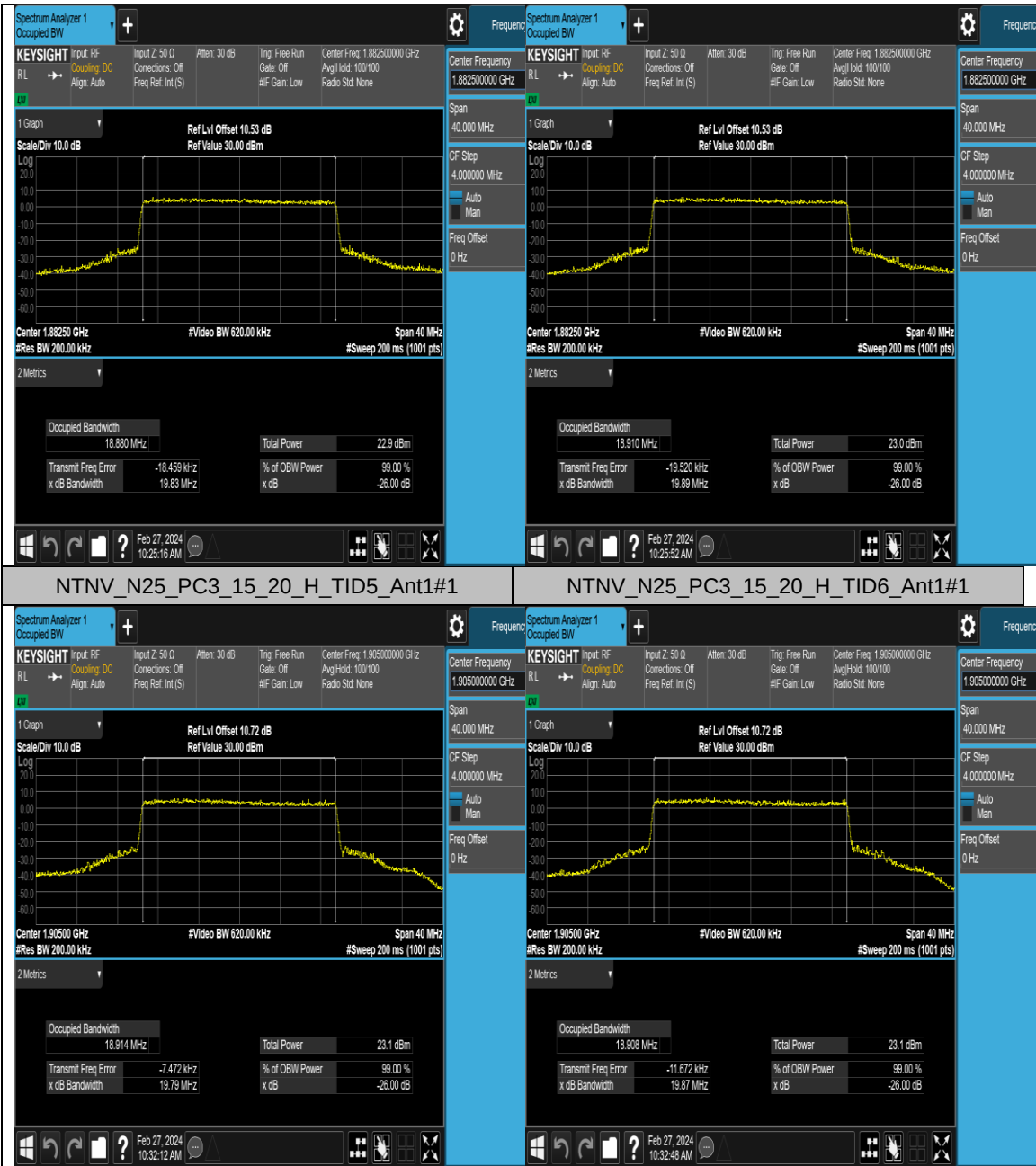












Appendix D: Band Edge for SA

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	DFT-16QAM	L	Outer_Full	PASS
N25	15	5	DFT-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	DFT-16QAM	H	Outer_Full	PASS
N25	15	5	DFT-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	DFT-16QAM	L	Outer_Full	PASS
N25	15	10	DFT-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	DFT-16QAM	H	Outer_Full	PASS
N25	15	10	DFT-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	DFT-16QAM	L	Outer_Full	PASS
N25	15	15	DFT-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	DFT-16QAM	H	Outer_Full	PASS
N25	15	15	DFT-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	DFT-16QAM	L	Outer_Full	PASS
N25	15	20	DFT-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	DFT-16QAM	H	Outer_Full	PASS
N25	15	20	DFT-16QAM	H	Edge_1RB_Right	PASS

Test Graphs

