

Appendix for N2

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
N2	15	5	CP-QPSK	L	Outer_Full	21.18	PC3	PASS
N2	15	5	CP-QPSK	L	Edge_1RB_Left	21.03	PC3	PASS
N2	15	5	CP-QPSK	L	Inner_Full	22.54	PC3	PASS
N2	15	5	CP-QPSK	L	Edge_1RB_Right	21.03	PC3	PASS
N2	15	5	CP-16QAM	L	Outer_Full	21.22	PC3	PASS
N2	15	5	CP-16QAM	L	Edge_1RB_Left	21.23	PC3	PASS
N2	15	5	CP-16QAM	L	Inner_Full	22.09	PC3	PASS
N2	15	5	CP-16QAM	L	Edge_1RB_Right	21.46	PC3	PASS
N2	15	5	CP-QPSK	M	Outer_Full	21.29	PC3	PASS
N2	15	5	CP-QPSK	M	Edge_1RB_Left	21.53	PC3	PASS
N2	15	5	CP-QPSK	M	Inner_Full	22.80	PC3	PASS
N2	15	5	CP-QPSK	M	Edge_1RB_Right	21.20	PC3	PASS
N2	15	5	CP-16QAM	M	Outer_Full	21.44	PC3	PASS
N2	15	5	CP-16QAM	M	Edge_1RB_Left	21.68	PC3	PASS
N2	15	5	CP-16QAM	M	Inner_Full	22.47	PC3	PASS
N2	15	5	CP-16QAM	M	Edge_1RB_Right	21.51	PC3	PASS
N2	15	5	CP-QPSK	H	Outer_Full	21.87	PC3	PASS
N2	15	5	CP-QPSK	H	Edge_1RB_Left	21.78	PC3	PASS
N2	15	5	CP-QPSK	H	Inner_Full	23.33	PC3	PASS
N2	15	5	CP-QPSK	H	Edge_1RB_Right	21.78	PC3	PASS
N2	15	5	CP-16QAM	H	Outer_Full	22.02	PC3	PASS
N2	15	5	CP-16QAM	H	Edge_1RB_Left	21.83	PC3	PASS
N2	15	5	CP-16QAM	H	Inner_Full	22.97	PC3	PASS
N2	15	5	CP-16QAM	H	Edge_1RB_Right	22.11	PC3	PASS
N2	15	10	CP-QPSK	L	Outer_Full	21.39	PC3	PASS
N2	15	10	CP-QPSK	L	Edge_1RB_Left	21.13	PC3	PASS
N2	15	10	CP-QPSK	L	Inner_Full	22.78	PC3	PASS
N2	15	10	CP-QPSK	L	Edge_1RB_Right	21.58	PC3	PASS
N2	15	10	CP-16QAM	L	Outer_Full	21.18	PC3	PASS
N2	15	10	CP-16QAM	L	Edge_1RB_Left	21.37	PC3	PASS
N2	15	10	CP-16QAM	L	Inner_Full	22.51	PC3	PASS
N2	15	10	CP-16QAM	L	Edge_1RB_Right	21.35	PC3	PASS
N2	15	10	CP-QPSK	M	Outer_Full	21.52	PC3	PASS
N2	15	10	CP-QPSK	M	Edge_1RB_Left	21.55	PC3	PASS
N2	15	10	CP-QPSK	M	Inner_Full	23.02	PC3	PASS

N2	15	10	CP-QPSK	M	Edge_1RB_Right	21.68	PC3	PASS
N2	15	10	CP-16QAM	M	Outer_Full	21.56	PC3	PASS
N2	15	10	CP-16QAM	M	Edge_1RB_Left	21.26	PC3	PASS
N2	15	10	CP-16QAM	M	Inner_Full	22.53	PC3	PASS
N2	15	10	CP-16QAM	M	Edge_1RB_Right	21.79	PC3	PASS
N2	15	10	CP-QPSK	H	Outer_Full	22.01	PC3	PASS
N2	15	10	CP-QPSK	H	Edge_1RB_Left	21.88	PC3	PASS
N2	15	10	CP-QPSK	H	Inner_Full	23.49	PC3	PASS
N2	15	10	CP-QPSK	H	Edge_1RB_Right	21.71	PC3	PASS
N2	15	10	CP-16QAM	H	Outer_Full	21.90	PC3	PASS
N2	15	10	CP-16QAM	H	Edge_1RB_Left	21.86	PC3	PASS
N2	15	10	CP-16QAM	H	Inner_Full	23.03	PC3	PASS
N2	15	10	CP-16QAM	H	Edge_1RB_Right	21.61	PC3	PASS
N2	15	15	CP-QPSK	L	Outer_Full	21.47	PC3	PASS
N2	15	15	CP-QPSK	L	Edge_1RB_Left	21.17	PC3	PASS
N2	15	15	CP-QPSK	L	Inner_Full	22.96	PC3	PASS
N2	15	15	CP-QPSK	L	Edge_1RB_Right	21.64	PC3	PASS
N2	15	15	CP-16QAM	L	Outer_Full	21.48	PC3	PASS
N2	15	15	CP-16QAM	L	Edge_1RB_Left	21.46	PC3	PASS
N2	15	15	CP-16QAM	L	Inner_Full	22.40	PC3	PASS
N2	15	15	CP-16QAM	L	Edge_1RB_Right	21.53	PC3	PASS
N2	15	15	CP-QPSK	M	Outer_Full	21.66	PC3	PASS
N2	15	15	CP-QPSK	M	Edge_1RB_Left	21.62	PC3	PASS
N2	15	15	CP-QPSK	M	Inner_Full	22.99	PC3	PASS
N2	15	15	CP-QPSK	M	Edge_1RB_Right	21.61	PC3	PASS
N2	15	15	CP-16QAM	M	Outer_Full	21.63	PC3	PASS
N2	15	15	CP-16QAM	M	Edge_1RB_Left	21.21	PC3	PASS
N2	15	15	CP-16QAM	M	Inner_Full	22.58	PC3	PASS
N2	15	15	CP-16QAM	M	Edge_1RB_Right	21.50	PC3	PASS
N2	15	15	CP-QPSK	H	Outer_Full	22.05	PC3	PASS
N2	15	15	CP-QPSK	H	Edge_1RB_Left	21.92	PC3	PASS
N2	15	15	CP-QPSK	H	Inner_Full	23.48	PC3	PASS
N2	15	15	CP-QPSK	H	Edge_1RB_Right	22.02	PC3	PASS
N2	15	15	CP-16QAM	H	Outer_Full	21.92	PC3	PASS
N2	15	15	CP-16QAM	H	Edge_1RB_Left	21.88	PC3	PASS
N2	15	15	CP-16QAM	H	Inner_Full	22.94	PC3	PASS
N2	15	15	CP-16QAM	H	Edge_1RB_Right	22.05	PC3	PASS
N2	15	20	CP-QPSK	L	Outer_Full	21.70	PC3	PASS
N2	15	20	CP-QPSK	L	Edge_1RB_Left	21.40	PC3	PASS
N2	15	20	CP-QPSK	L	Inner_Full	22.98	PC3	PASS
N2	15	20	CP-QPSK	L	Edge_1RB_Right	21.80	PC3	PASS
N2	15	20	CP-16QAM	L	Outer_Full	21.47	PC3	PASS

N2	15	20	CP-16QAM	L	Edge_1RB_Left	21.45	PC3	PASS
N2	15	20	CP-16QAM	L	Inner_Full	22.53	PC3	PASS
N2	15	20	CP-16QAM	L	Edge_1RB_Right	21.34	PC3	PASS
N2	15	20	CP-QPSK	M	Outer_Full	21.59	PC3	PASS
N2	15	20	CP-QPSK	M	Edge_1RB_Left	21.73	PC3	PASS
N2	15	20	CP-QPSK	M	Inner_Full	22.84	PC3	PASS
N2	15	20	CP-QPSK	M	Edge_1RB_Right	21.32	PC3	PASS
N2	15	20	CP-16QAM	M	Outer_Full	21.48	PC3	PASS
N2	15	20	CP-16QAM	M	Edge_1RB_Left	21.29	PC3	PASS
N2	15	20	CP-16QAM	M	Inner_Full	22.60	PC3	PASS
N2	15	20	CP-16QAM	M	Edge_1RB_Right	21.45	PC3	PASS
N2	15	20	CP-QPSK	H	Outer_Full	21.86	PC3	PASS
N2	15	20	CP-QPSK	H	Edge_1RB_Left	21.62	PC3	PASS
N2	15	20	CP-QPSK	H	Inner_Full	23.27	PC3	PASS
N2	15	20	CP-QPSK	H	Edge_1RB_Right	21.99	PC3	PASS
N2	15	20	CP-16QAM	H	Outer_Full	21.97	PC3	PASS
N2	15	20	CP-16QAM	H	Edge_1RB_Left	21.53	PC3	PASS
N2	15	20	CP-16QAM	H	Inner_Full	23.00	PC3	PASS
N2	15	20	CP-16QAM	H	Edge_1RB_Right	22.06	PC3	PASS

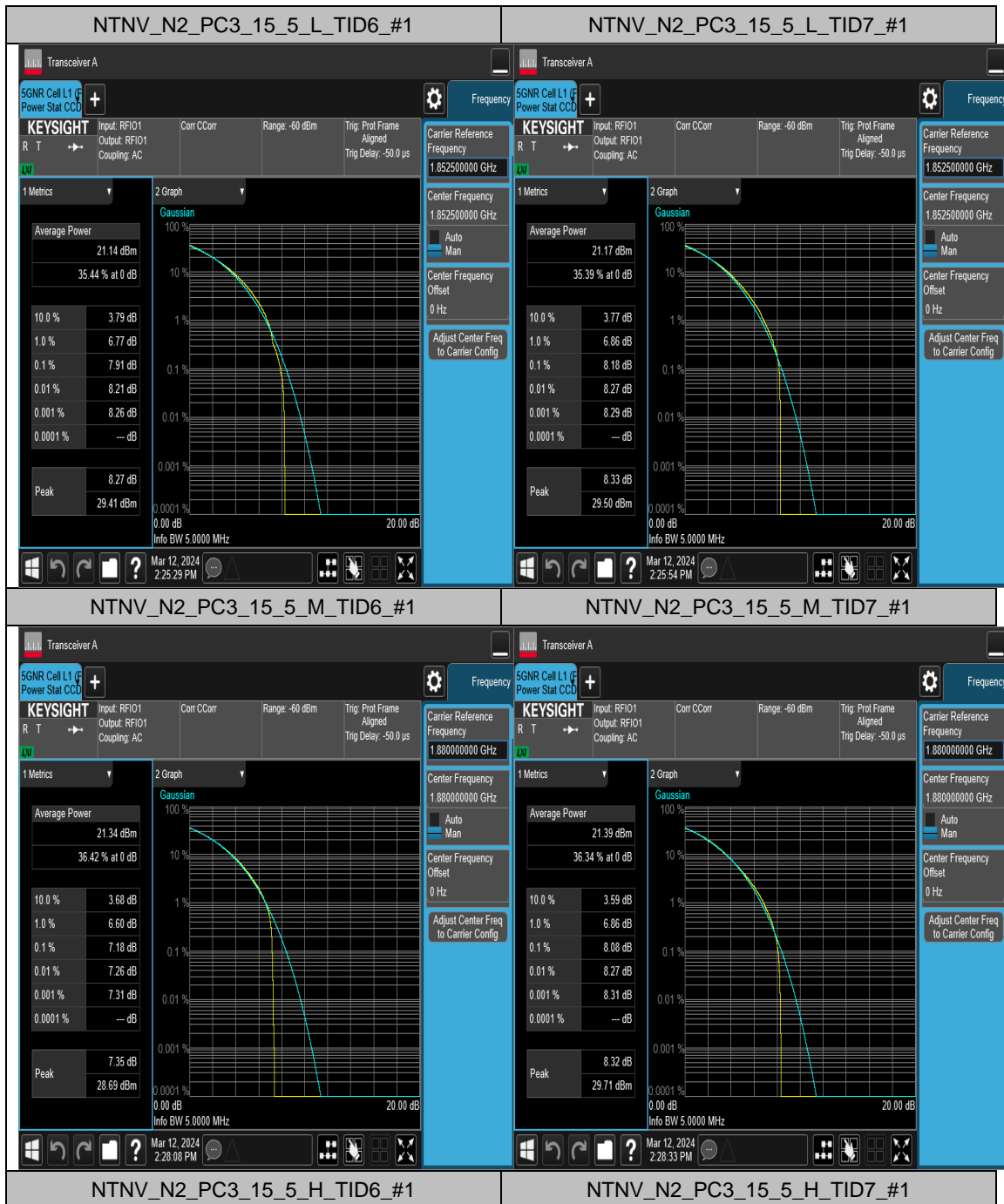
Appendix B: Peak-to-Average Ratio for SA

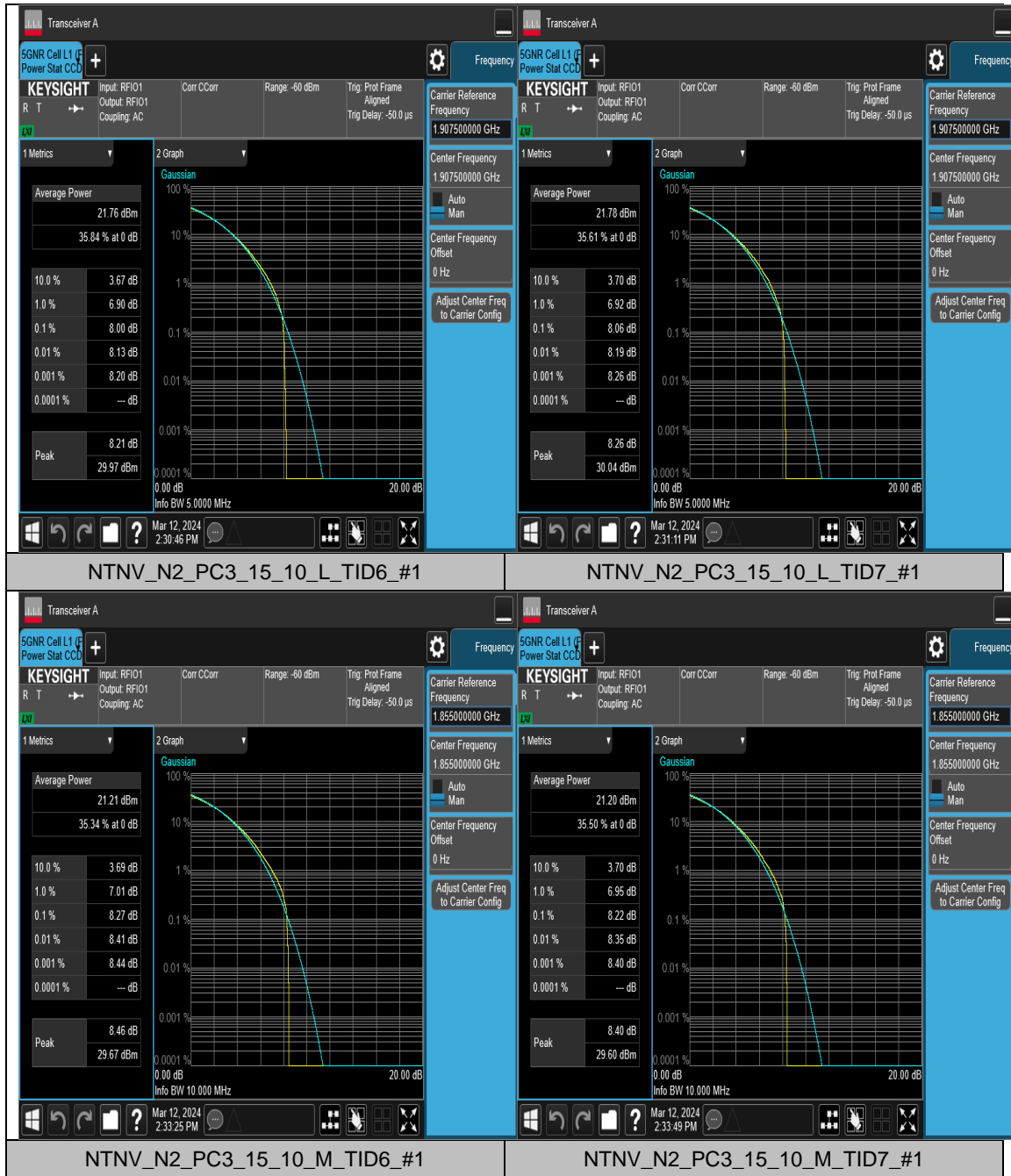
Peak-to-Average Ratio(CCDF)

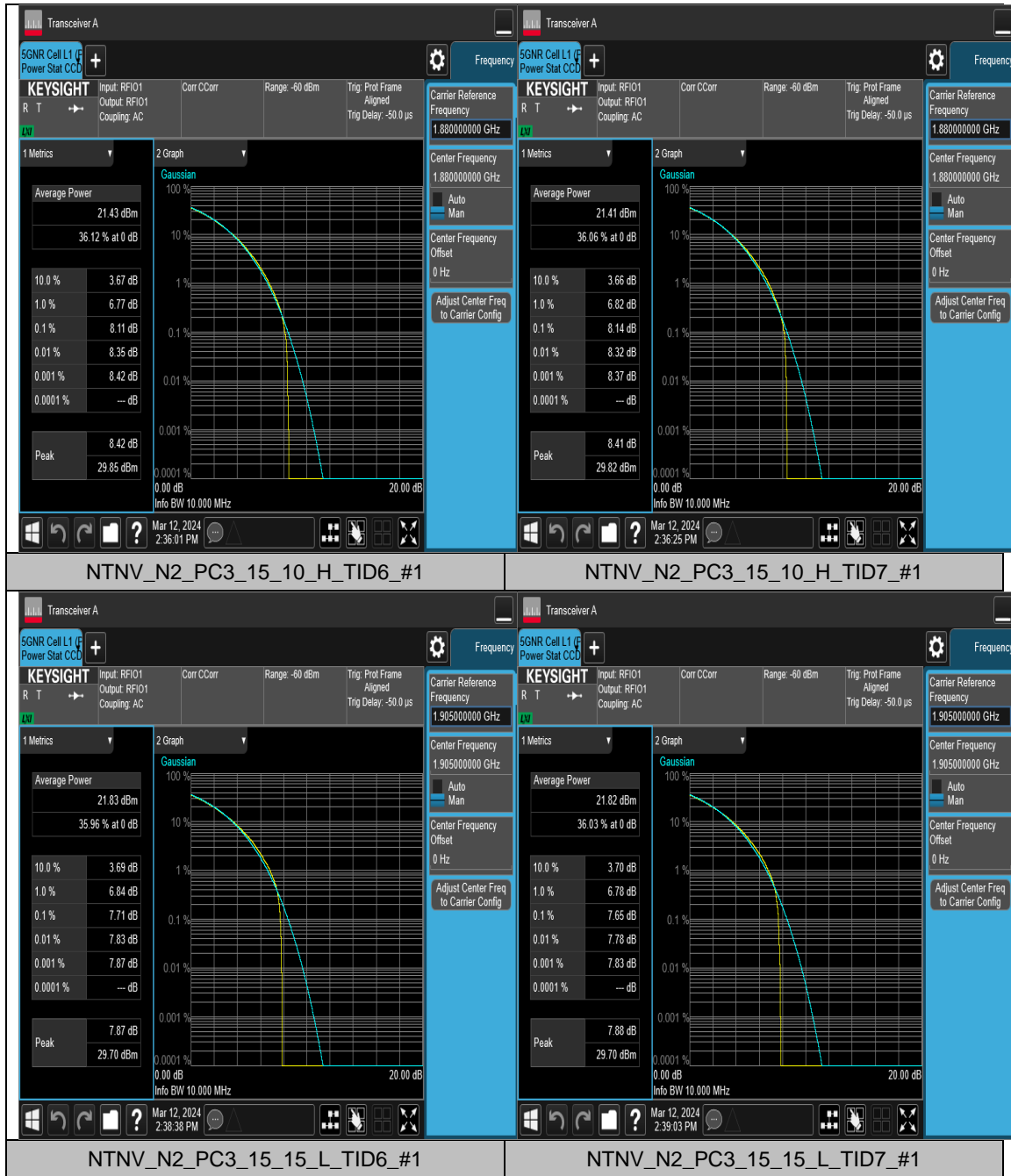
Test Result

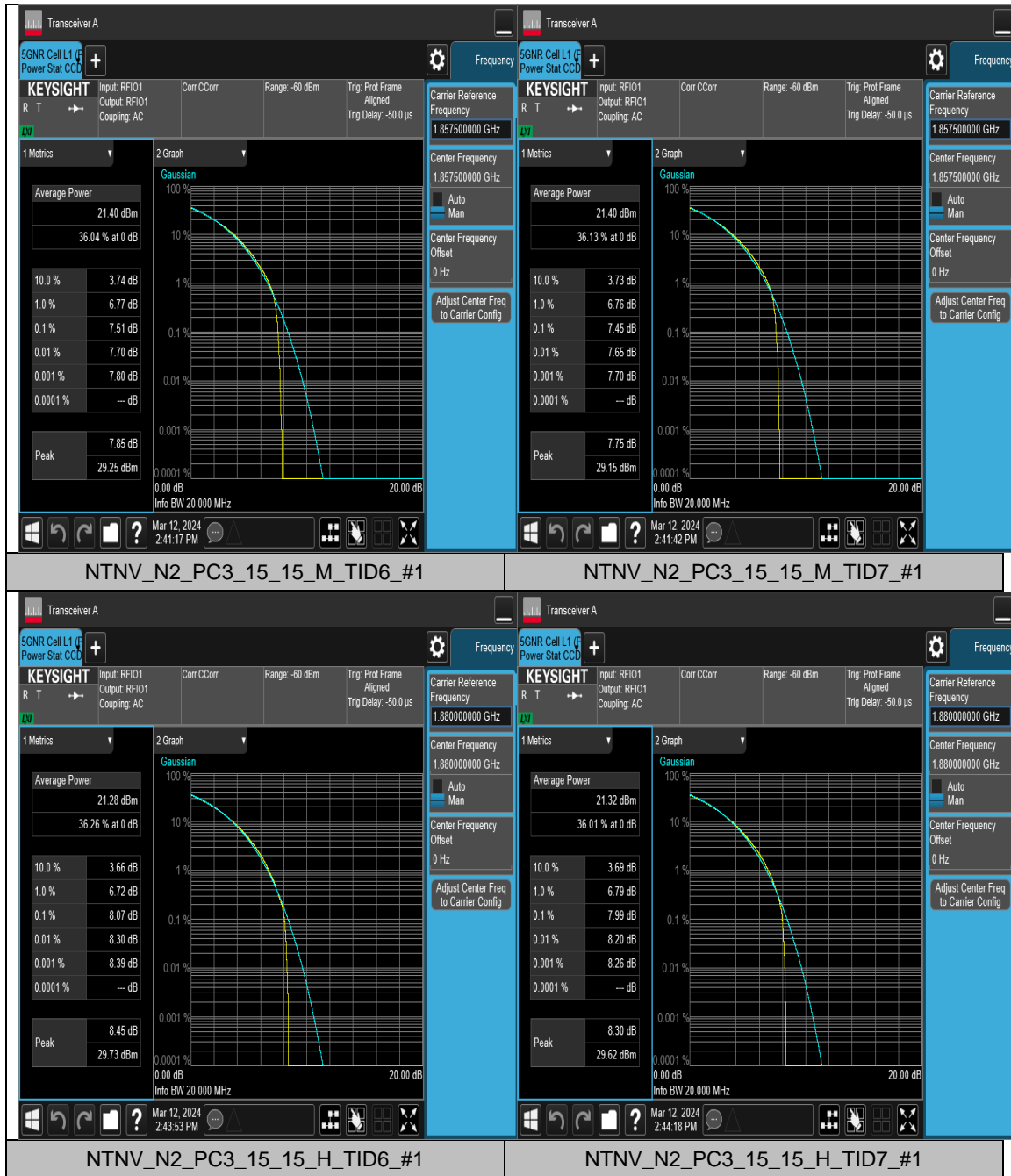
Band	SCS	Bandwidth	Modulation	Channel	RB Config	Result	Limit	Verdict
N2	15	5	CP-QPSK	L	Outer_Full	7.91	≤13	PASS
N2	15	5	CP-16QAM	L	Outer_Full	8.18	≤13	PASS
N2	15	5	CP-QPSK	M	Outer_Full	7.18	≤13	PASS
N2	15	5	CP-16QAM	M	Outer_Full	8.08	≤13	PASS
N2	15	5	CP-QPSK	H	Outer_Full	8.00	≤13	PASS
N2	15	5	CP-16QAM	H	Outer_Full	8.06	≤13	PASS
N2	15	10	CP-QPSK	L	Outer_Full	8.27	≤13	PASS
N2	15	10	CP-16QAM	L	Outer_Full	8.22	≤13	PASS
N2	15	10	CP-QPSK	M	Outer_Full	8.11	≤13	PASS
N2	15	10	CP-16QAM	M	Outer_Full	8.14	≤13	PASS
N2	15	10	CP-QPSK	H	Outer_Full	7.71	≤13	PASS
N2	15	10	CP-16QAM	H	Outer_Full	7.65	≤13	PASS
N2	15	15	CP-QPSK	L	Outer_Full	7.51	≤13	PASS
N2	15	15	CP-16QAM	L	Outer_Full	7.45	≤13	PASS
N2	15	15	CP-QPSK	M	Outer_Full	8.07	≤13	PASS
N2	15	15	CP-16QAM	M	Outer_Full	7.99	≤13	PASS
N2	15	15	CP-QPSK	H	Outer_Full	7.65	≤13	PASS
N2	15	15	CP-16QAM	H	Outer_Full	7.59	≤13	PASS
N2	15	20	CP-QPSK	L	Outer_Full	7.40	≤13	PASS
N2	15	20	CP-16QAM	L	Outer_Full	7.30	≤13	PASS
N2	15	20	CP-QPSK	M	Outer_Full	7.67	≤13	PASS
N2	15	20	CP-16QAM	M	Outer_Full	7.52	≤13	PASS
N2	15	20	CP-QPSK	H	Outer_Full	7.55	≤13	PASS
N2	15	20	CP-16QAM	H	Outer_Full	7.47	≤13	PASS

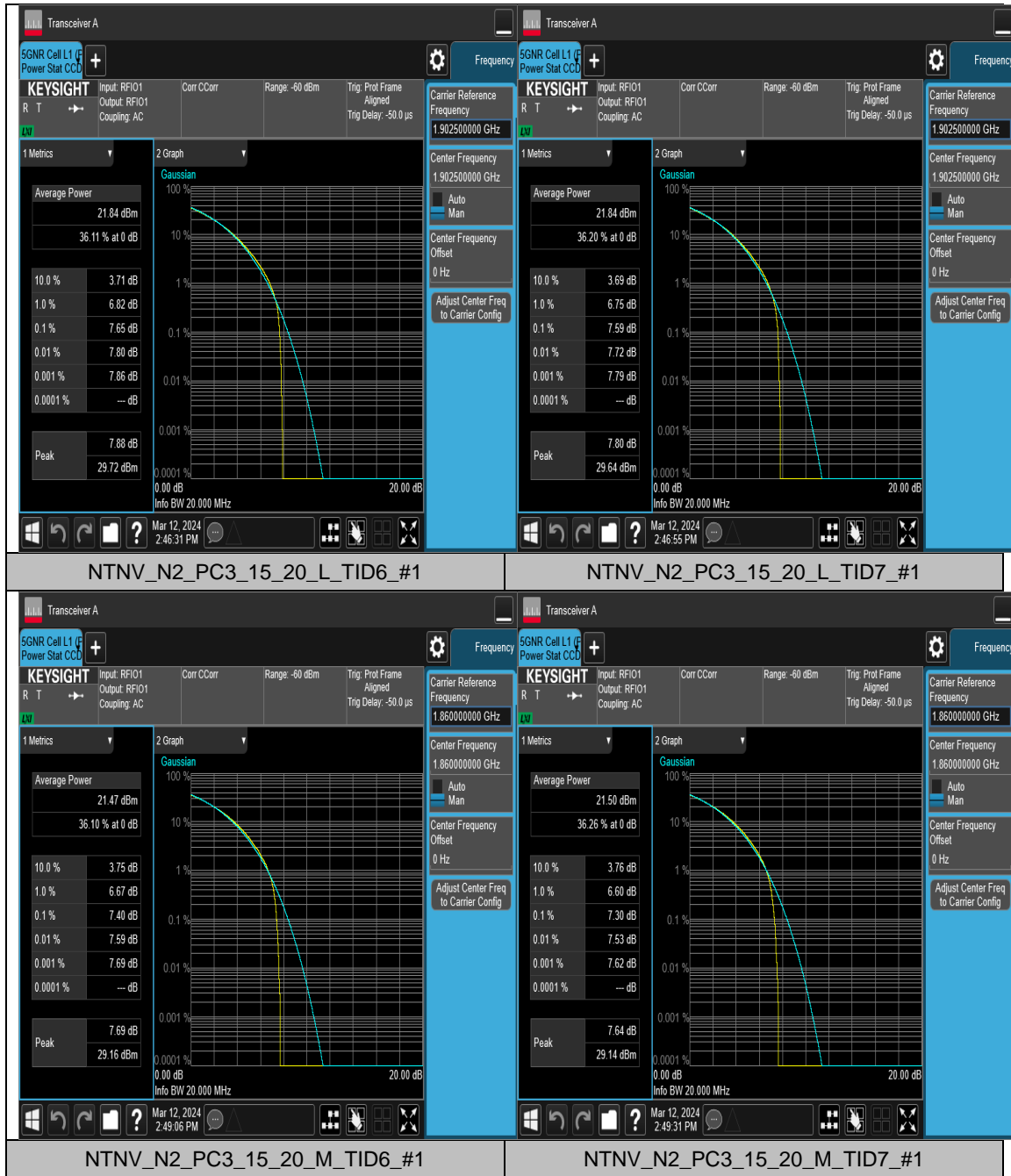
Test Graphs

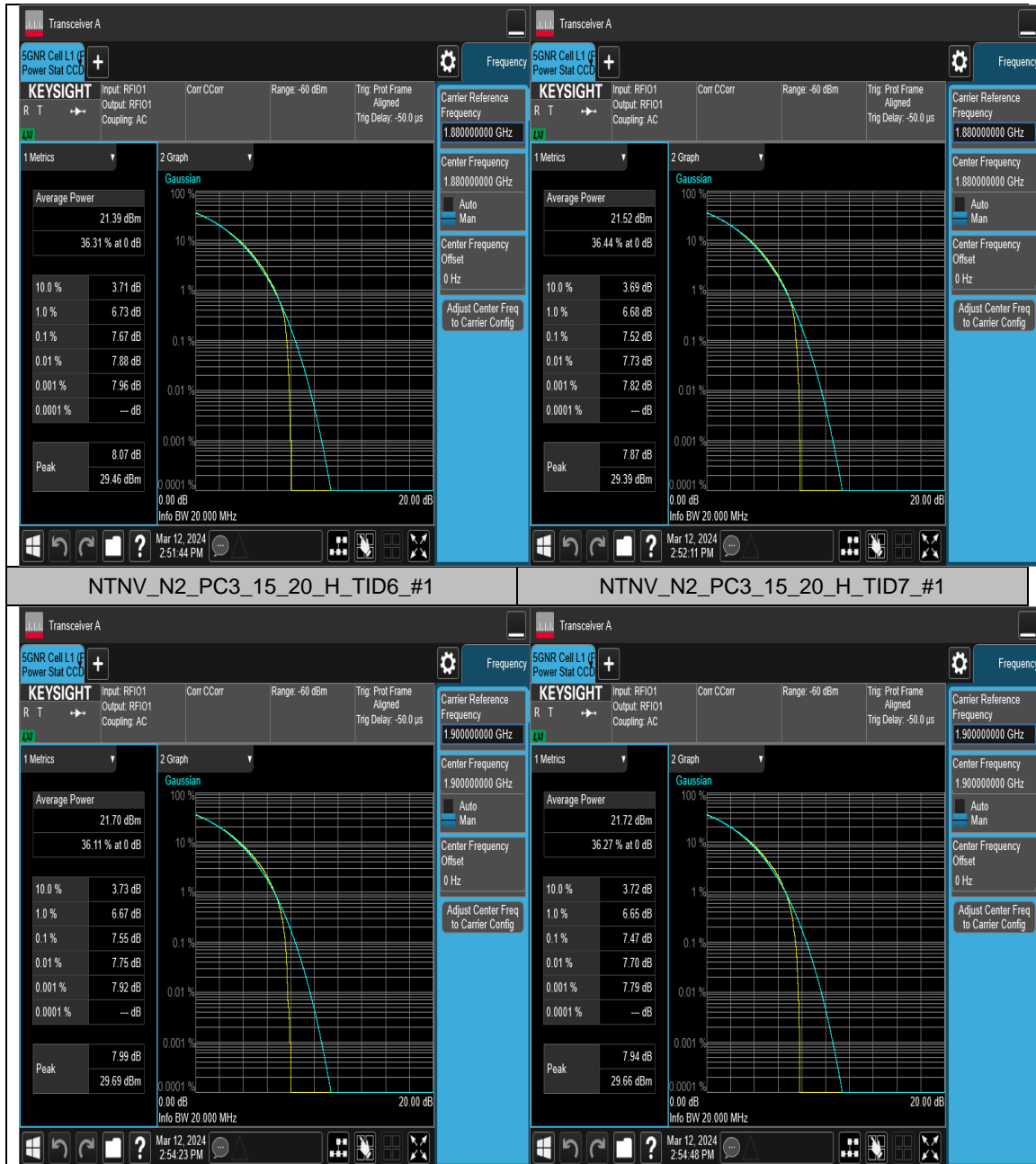










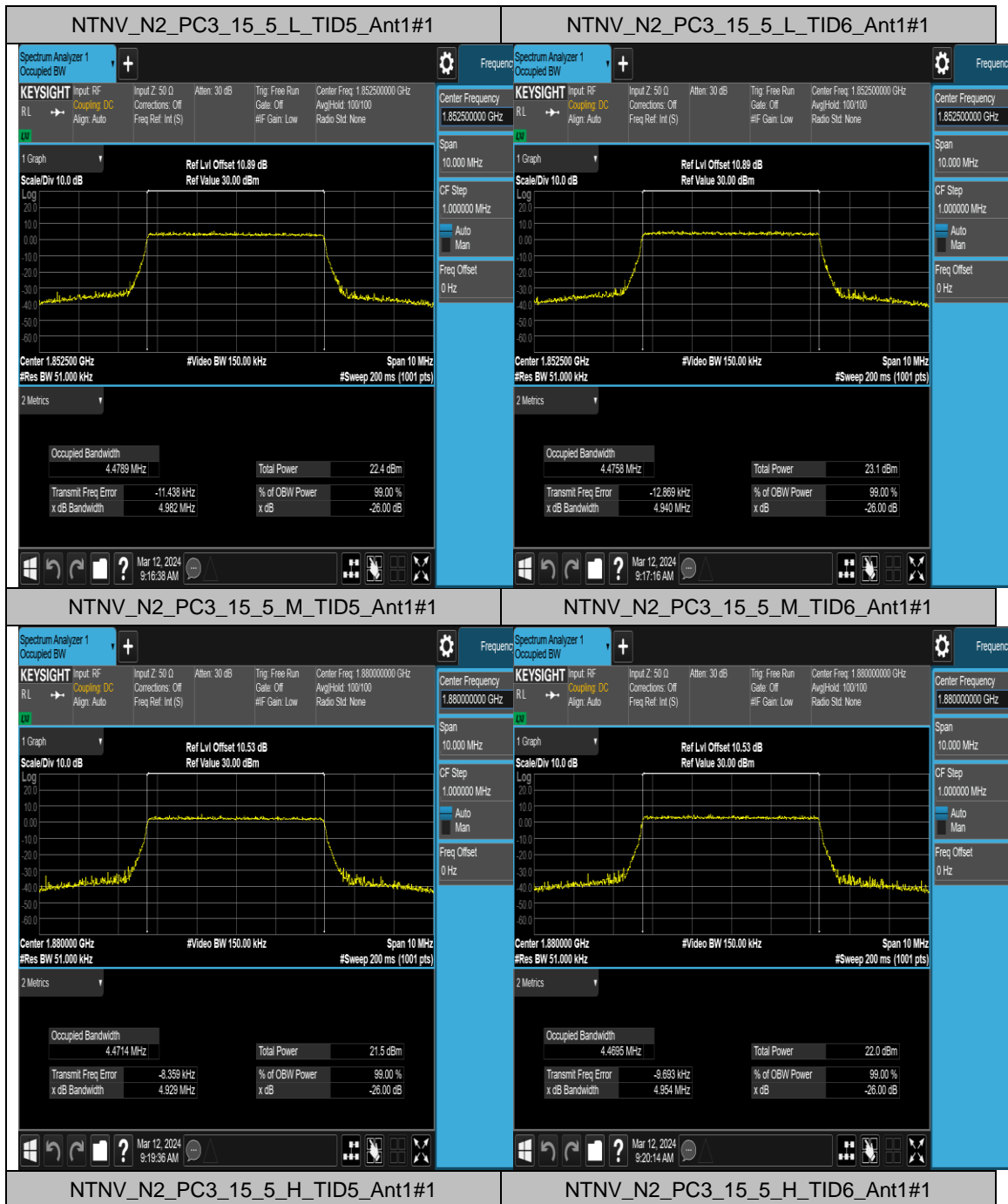


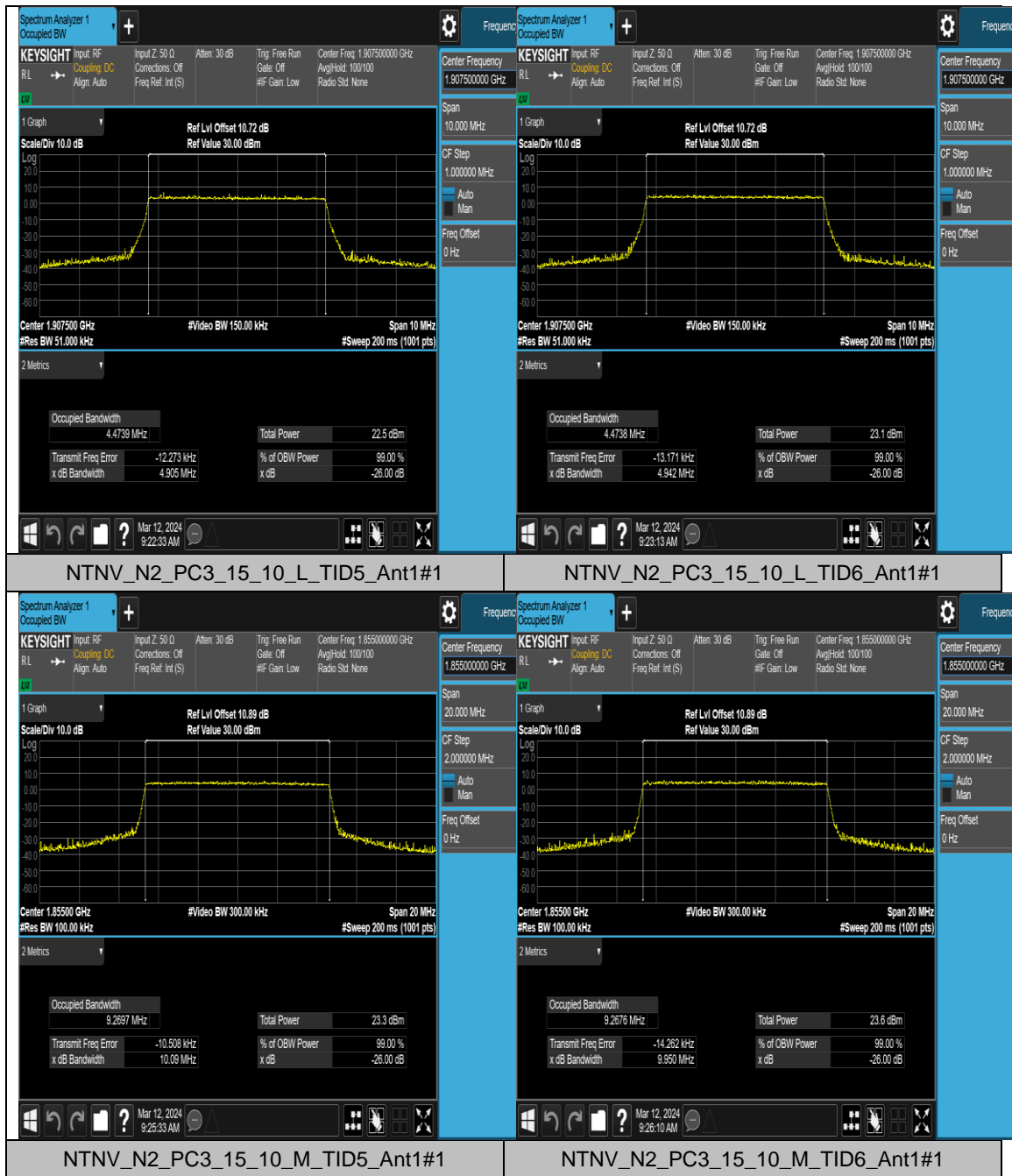
Appendix C: 26dB Bandwidth and Occupied Bandwidth for SA

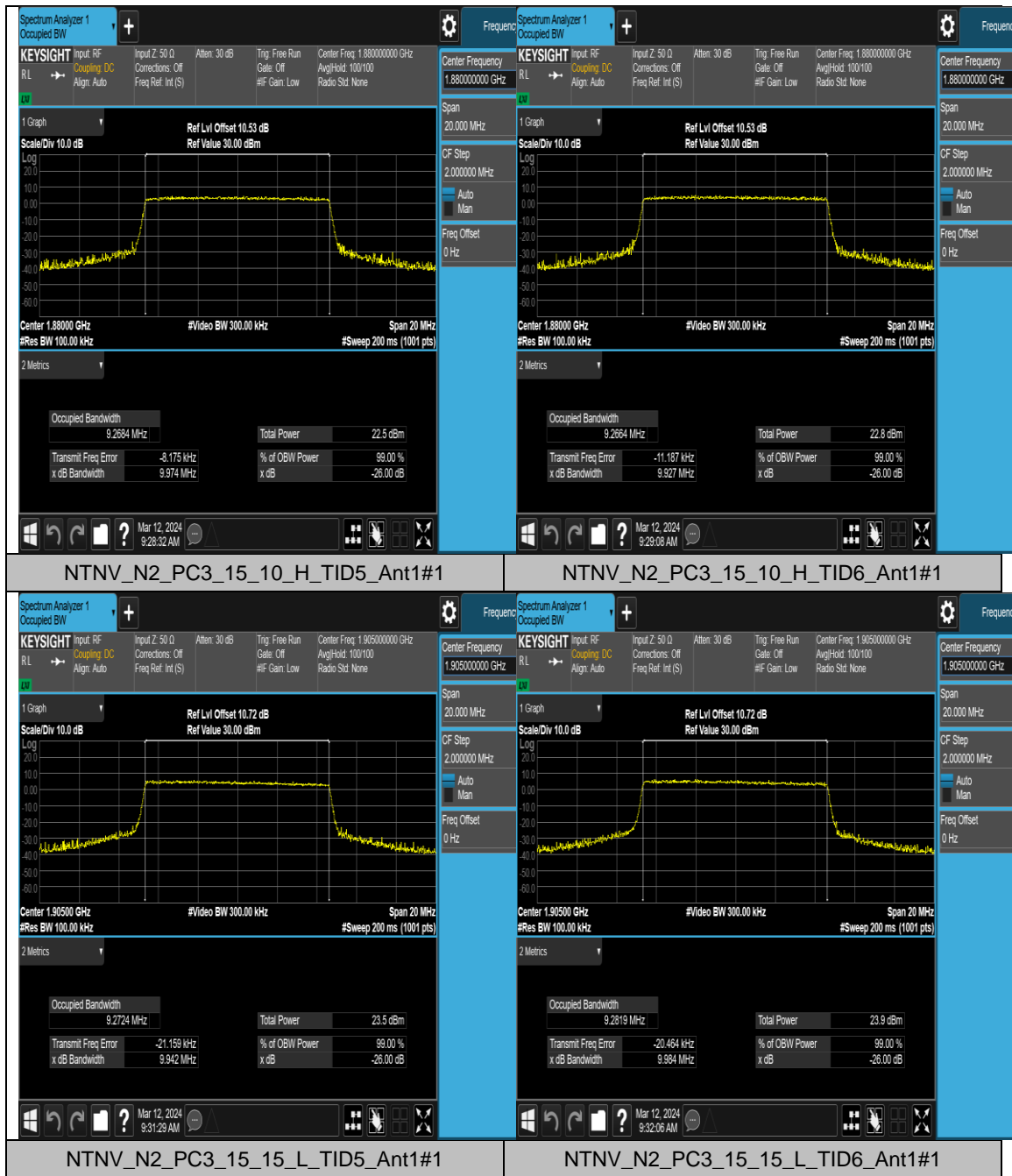
Test Result

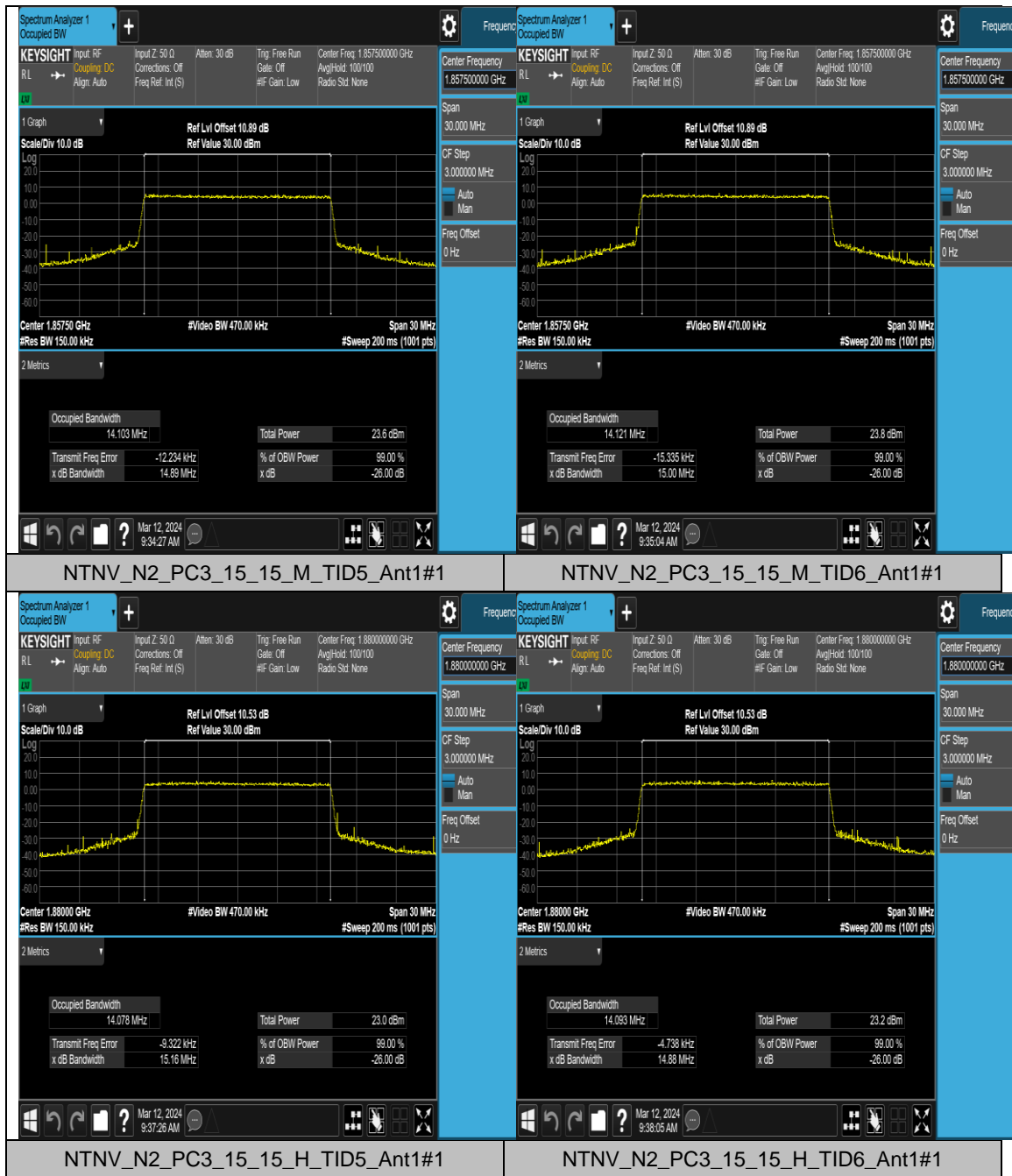
Band	SCS	Bandwidth	Modulation	Channel	RB Config	Result (99%)	Result (26dB)	Verdict
N2	15	5	CP-QPSK	L	Outer_Full	4.4789	4.982	PASS
N2	15	5	CP-16QAM	L	Outer_Full	4.4758	4.940	PASS
N2	15	5	CP-QPSK	M	Outer_Full	4.4714	4.929	PASS
N2	15	5	CP-16QAM	M	Outer_Full	4.4695	4.954	PASS
N2	15	5	CP-QPSK	H	Outer_Full	4.4739	4.905	PASS
N2	15	5	CP-16QAM	H	Outer_Full	4.4738	4.942	PASS
N2	15	10	CP-QPSK	L	Outer_Full	9.2697	10.09	PASS
N2	15	10	CP-16QAM	L	Outer_Full	9.2676	9.950	PASS
N2	15	10	CP-QPSK	M	Outer_Full	9.2684	9.974	PASS
N2	15	10	CP-16QAM	M	Outer_Full	9.2664	9.927	PASS
N2	15	10	CP-QPSK	H	Outer_Full	9.2724	9.942	PASS
N2	15	10	CP-16QAM	H	Outer_Full	9.2819	9.984	PASS
N2	15	15	CP-QPSK	L	Outer_Full	14.103	14.89	PASS
N2	15	15	CP-16QAM	L	Outer_Full	14.121	15.00	PASS
N2	15	15	CP-QPSK	M	Outer_Full	14.078	15.16	PASS
N2	15	15	CP-16QAM	M	Outer_Full	14.093	14.88	PASS
N2	15	15	CP-QPSK	H	Outer_Full	14.065	14.89	PASS
N2	15	15	CP-16QAM	H	Outer_Full	14.075	14.84	PASS
N2	15	20	CP-QPSK	L	Outer_Full	18.916	20.01	PASS
N2	15	20	CP-16QAM	L	Outer_Full	18.932	20.05	PASS
N2	15	20	CP-QPSK	M	Outer_Full	18.883	19.73	PASS
N2	15	20	CP-16QAM	M	Outer_Full	18.884	19.80	PASS
N2	15	20	CP-QPSK	H	Outer_Full	18.830	19.79	PASS
N2	15	20	CP-16QAM	H	Outer_Full	18.827	19.79	PASS

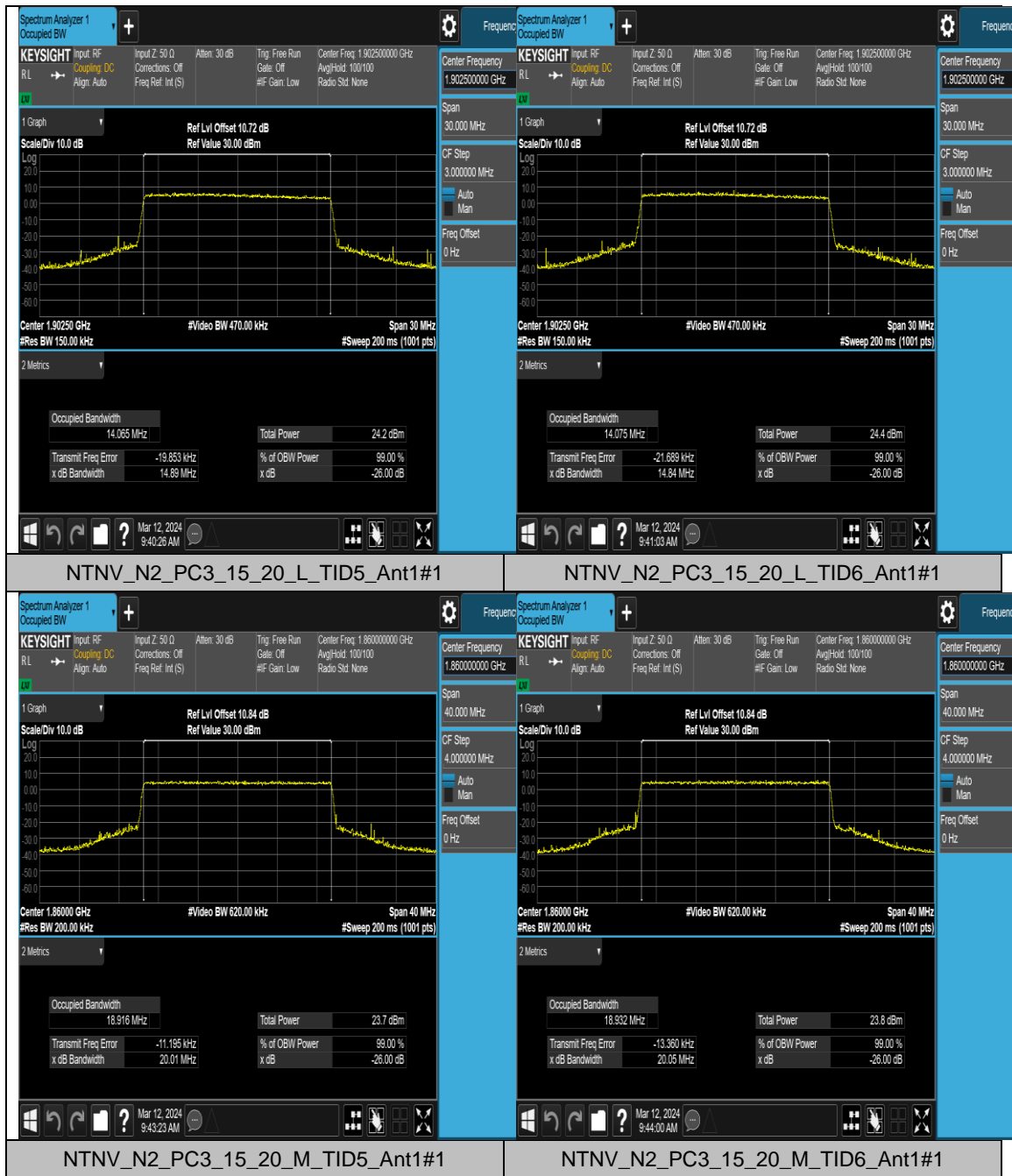
Test Graphs

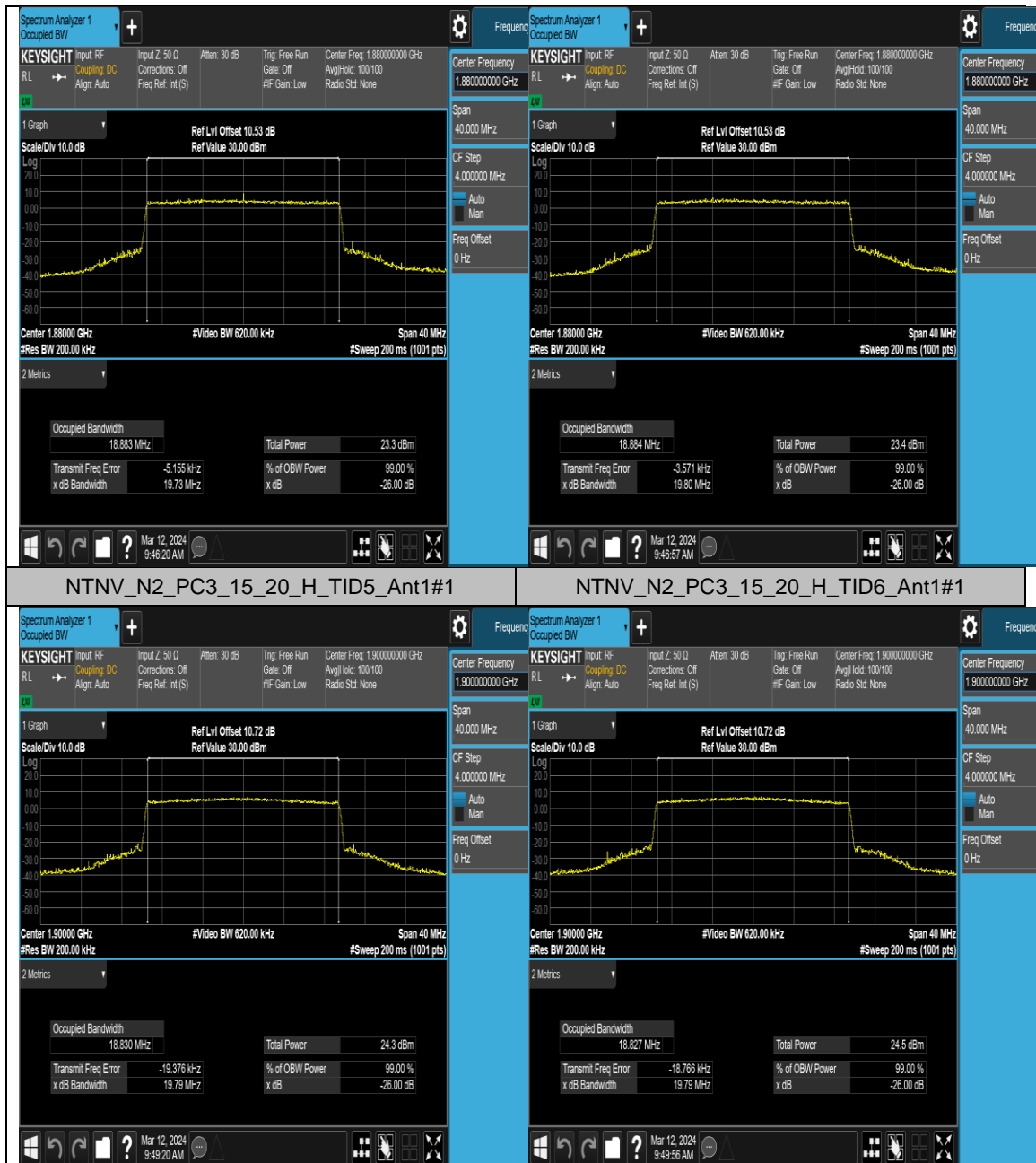












Appendix D: Band Edge for SA

Test Result

Band	SCS	Bandwidth	Modulation	Channel	RB Config	Result	Verdict
N2	15	5	CP-QPSK	L	Outer_Full		PASS
N2	15	5	CP-QPSK	L	Edge_1RB_Left		PASS
N2	15	5	CP-16QAM	L	Outer_Full		PASS
N2	15	5	CP-16QAM	L	Edge_1RB_Left		PASS
N2	15	5	CP-QPSK	H	Outer_Full		PASS
N2	15	5	CP-QPSK	H	Edge_1RB_Right		PASS
N2	15	5	CP-16QAM	H	Outer_Full		PASS
N2	15	5	CP-16QAM	H	Edge_1RB_Right		PASS
N2	15	10	CP-QPSK	L	Outer_Full		PASS
N2	15	10	CP-QPSK	L	Edge_1RB_Left		PASS
N2	15	10	CP-16QAM	L	Outer_Full		PASS
N2	15	10	CP-16QAM	L	Edge_1RB_Left		PASS
N2	15	10	CP-QPSK	H	Outer_Full		PASS
N2	15	10	CP-QPSK	H	Edge_1RB_Right		PASS
N2	15	10	CP-16QAM	H	Outer_Full		PASS
N2	15	10	CP-16QAM	H	Edge_1RB_Right		PASS
N2	15	15	CP-QPSK	L	Outer_Full		PASS
N2	15	15	CP-QPSK	L	Edge_1RB_Left		PASS
N2	15	15	CP-16QAM	L	Outer_Full		PASS
N2	15	15	CP-16QAM	L	Edge_1RB_Left		PASS
N2	15	15	CP-QPSK	H	Outer_Full		PASS
N2	15	15	CP-QPSK	H	Edge_1RB_Right		PASS
N2	15	15	CP-16QAM	H	Outer_Full		PASS
N2	15	15	CP-16QAM	H	Edge_1RB_Right		PASS
N2	15	20	CP-QPSK	L	Outer_Full		PASS
N2	15	20	CP-QPSK	L	Edge_1RB_Left		PASS
N2	15	20	CP-16QAM	L	Outer_Full		PASS
N2	15	20	CP-16QAM	L	Edge_1RB_Left		PASS
N2	15	20	CP-QPSK	H	Outer_Full		PASS
N2	15	20	CP-QPSK	H	Edge_1RB_Right		PASS
N2	15	20	CP-16QAM	H	Outer_Full		PASS
N2	15	20	CP-16QAM	H	Edge_1RB_Right		PASS

Test Graphs

