

Appendix for N25

Product Name: 5G Window CPE

Model No: TITAN 5100

Appendix A: Average Power Output Data

Test Result

Band	SCS	Bandwidth	Modulation	Channel	RB Config	Power (dBm)	Power Class	Verdict
N25	15	5	DFT-QPSK	L	Outer_Full	21.17	PC3	PASS
N25	15	5	DFT-QPSK	L	Inner_Full	22.21	PC3	PASS
N25	15	5	DFT-QPSK	L	Edge_1RB_Left	21.07	PC3	PASS
N25	15	5	DFT-QPSK	L	Edge_1RB_Right	21.40	PC3	PASS
N25	15	5	DFT-16QAM	L	Outer_Full	20.15	PC3	PASS
N25	15	5	DFT-16QAM	L	Inner_Full	21.43	PC3	PASS
N25	15	5	DFT-16QAM	L	Edge_1RB_Left	20.25	PC3	PASS
N25	15	5	DFT-16QAM	L	Edge_1RB_Right	20.04	PC3	PASS
N25	15	5	DFT-QPSK	M	Outer_Full	20.91	PC3	PASS
N25	15	5	DFT-QPSK	M	Inner_Full	21.94	PC3	PASS
N25	15	5	DFT-QPSK	M	Edge_1RB_Left	20.67	PC3	PASS
N25	15	5	DFT-QPSK	M	Edge_1RB_Right	20.82	PC3	PASS
N25	15	5	DFT-16QAM	M	Outer_Full	19.91	PC3	PASS
N25	15	5	DFT-16QAM	M	Inner_Full	20.86	PC3	PASS
N25	15	5	DFT-16QAM	M	Edge_1RB_Left	19.54	PC3	PASS
N25	15	5	DFT-16QAM	M	Edge_1RB_Right	19.87	PC3	PASS
N25	15	5	DFT-QPSK	H	Outer_Full	19.28	PC3	PASS
N25	15	5	DFT-QPSK	H	Inner_Full	20.26	PC3	PASS
N25	15	5	DFT-QPSK	H	Edge_1RB_Left	19.28	PC3	PASS
N25	15	5	DFT-QPSK	H	Edge_1RB_Right	19.05	PC3	PASS
N25	15	5	DFT-16QAM	H	Outer_Full	18.33	PC3	PASS
N25	15	5	DFT-16QAM	H	Inner_Full	19.28	PC3	PASS
N25	15	5	DFT-16QAM	H	Edge_1RB_Left	17.80	PC3	PASS
N25	15	5	DFT-16QAM	H	Edge_1RB_Right	18.25	PC3	PASS
N25	15	10	DFT-QPSK	L	Outer_Full	21.27	PC3	PASS
N25	15	10	DFT-QPSK	L	Inner_Full	22.18	PC3	PASS
N25	15	10	DFT-QPSK	L	Edge_1RB_Left	21.20	PC3	PASS
N25	15	10	DFT-QPSK	L	Edge_1RB_Right	21.12	PC3	PASS
N25	15	10	DFT-16QAM	L	Outer_Full	20.17	PC3	PASS
N25	15	10	DFT-16QAM	L	Inner_Full	21.23	PC3	PASS
N25	15	10	DFT-16QAM	L	Edge_1RB_Left	20.17	PC3	PASS
N25	15	10	DFT-16QAM	L	Edge_1RB_Right	20.35	PC3	PASS
N25	15	10	DFT-QPSK	M	Outer_Full	21.03	PC3	PASS
N25	15	10	DFT-QPSK	M	Inner_Full	22.01	PC3	PASS

N25	15	10	DFT-QPSK	M	Edge_1RB_Left	20.58	PC3	PASS
N25	15	10	DFT-QPSK	M	Edge_1RB_Right	20.58	PC3	PASS
N25	15	10	DFT-16QAM	M	Outer_Full	20.02	PC3	PASS
N25	15	10	DFT-16QAM	M	Inner_Full	21.04	PC3	PASS
N25	15	10	DFT-16QAM	M	Edge_1RB_Left	19.79	PC3	PASS
N25	15	10	DFT-16QAM	M	Edge_1RB_Right	19.61	PC3	PASS
N25	15	10	DFT-QPSK	H	Outer_Full	19.40	PC3	PASS
N25	15	10	DFT-QPSK	H	Inner_Full	20.36	PC3	PASS
N25	15	10	DFT-QPSK	H	Edge_1RB_Left	19.28	PC3	PASS
N25	15	10	DFT-QPSK	H	Edge_1RB_Right	19.12	PC3	PASS
N25	15	10	DFT-16QAM	H	Outer_Full	18.44	PC3	PASS
N25	15	10	DFT-16QAM	H	Inner_Full	19.37	PC3	PASS
N25	15	10	DFT-16QAM	H	Edge_1RB_Left	18.07	PC3	PASS
N25	15	10	DFT-16QAM	H	Edge_1RB_Right	18.19	PC3	PASS
N25	15	15	DFT-QPSK	L	Outer_Full	21.29	PC3	PASS
N25	15	15	DFT-QPSK	L	Inner_Full	22.37	PC3	PASS
N25	15	15	DFT-QPSK	L	Edge_1RB_Left	21.09	PC3	PASS
N25	15	15	DFT-QPSK	L	Edge_1RB_Right	21.02	PC3	PASS
N25	15	15	DFT-16QAM	L	Outer_Full	20.26	PC3	PASS
N25	15	15	DFT-16QAM	L	Inner_Full	21.30	PC3	PASS
N25	15	15	DFT-16QAM	L	Edge_1RB_Left	20.68	PC3	PASS
N25	15	15	DFT-16QAM	L	Edge_1RB_Right	20.27	PC3	PASS
N25	15	15	DFT-QPSK	M	Outer_Full	21.10	PC3	PASS
N25	15	15	DFT-QPSK	M	Inner_Full	22.03	PC3	PASS
N25	15	15	DFT-QPSK	M	Edge_1RB_Left	21.07	PC3	PASS
N25	15	15	DFT-QPSK	M	Edge_1RB_Right	20.87	PC3	PASS
N25	15	15	DFT-16QAM	M	Outer_Full	20.01	PC3	PASS
N25	15	15	DFT-16QAM	M	Inner_Full	21.18	PC3	PASS
N25	15	15	DFT-16QAM	M	Edge_1RB_Left	19.92	PC3	PASS
N25	15	15	DFT-16QAM	M	Edge_1RB_Right	20.21	PC3	PASS
N25	15	15	DFT-QPSK	H	Outer_Full	19.83	PC3	PASS
N25	15	15	DFT-QPSK	H	Inner_Full	20.69	PC3	PASS
N25	15	15	DFT-QPSK	H	Edge_1RB_Left	20.32	PC3	PASS
N25	15	15	DFT-QPSK	H	Edge_1RB_Right	19.37	PC3	PASS
N25	15	15	DFT-16QAM	H	Outer_Full	18.73	PC3	PASS
N25	15	15	DFT-16QAM	H	Inner_Full	19.69	PC3	PASS
N25	15	15	DFT-16QAM	H	Edge_1RB_Left	19.33	PC3	PASS
N25	15	15	DFT-16QAM	H	Edge_1RB_Right	18.75	PC3	PASS
N25	15	20	DFT-QPSK	L	Outer_Full	21.34	PC3	PASS
N25	15	20	DFT-QPSK	L	Inner_Full	22.34	PC3	PASS
N25	15	20	DFT-QPSK	L	Edge_1RB_Left	21.46	PC3	PASS
N25	15	20	DFT-QPSK	L	Edge_1RB_Right	21.09	PC3	PASS

N25	15	20	DFT-16QAM	L	Outer_Full	20.31	PC3	PASS
N25	15	20	DFT-16QAM	L	Inner_Full	21.36	PC3	PASS
N25	15	20	DFT-16QAM	L	Edge_1RB_Left	20.37	PC3	PASS
N25	15	20	DFT-16QAM	L	Edge_1RB_Right	20.54	PC3	PASS
N25	15	20	DFT-QPSK	M	Outer_Full	21.04	PC3	PASS
N25	15	20	DFT-QPSK	M	Inner_Full	22.13	PC3	PASS
N25	15	20	DFT-QPSK	M	Edge_1RB_Left	21.18	PC3	PASS
N25	15	20	DFT-QPSK	M	Edge_1RB_Right	20.79	PC3	PASS
N25	15	20	DFT-16QAM	M	Outer_Full	20.09	PC3	PASS
N25	15	20	DFT-16QAM	M	Inner_Full	21.07	PC3	PASS
N25	15	20	DFT-16QAM	M	Edge_1RB_Left	20.12	PC3	PASS
N25	15	20	DFT-16QAM	M	Edge_1RB_Right	19.72	PC3	PASS
N25	15	20	DFT-QPSK	H	Outer_Full	19.92	PC3	PASS
N25	15	20	DFT-QPSK	H	Inner_Full	20.81	PC3	PASS
N25	15	20	DFT-QPSK	H	Edge_1RB_Left	20.53	PC3	PASS
N25	15	20	DFT-QPSK	H	Edge_1RB_Right	19.39	PC3	PASS
N25	15	20	DFT-16QAM	H	Outer_Full	18.84	PC3	PASS
N25	15	20	DFT-16QAM	H	Inner_Full	19.83	PC3	PASS
N25	15	20	DFT-16QAM	H	Edge_1RB_Left	19.57	PC3	PASS
N25	15	20	DFT-16QAM	H	Edge_1RB_Right	18.15	PC3	PASS

Appendix B: Peak-to-Average Ratio for SA

Peak-to-Average Ratio(PAPR)

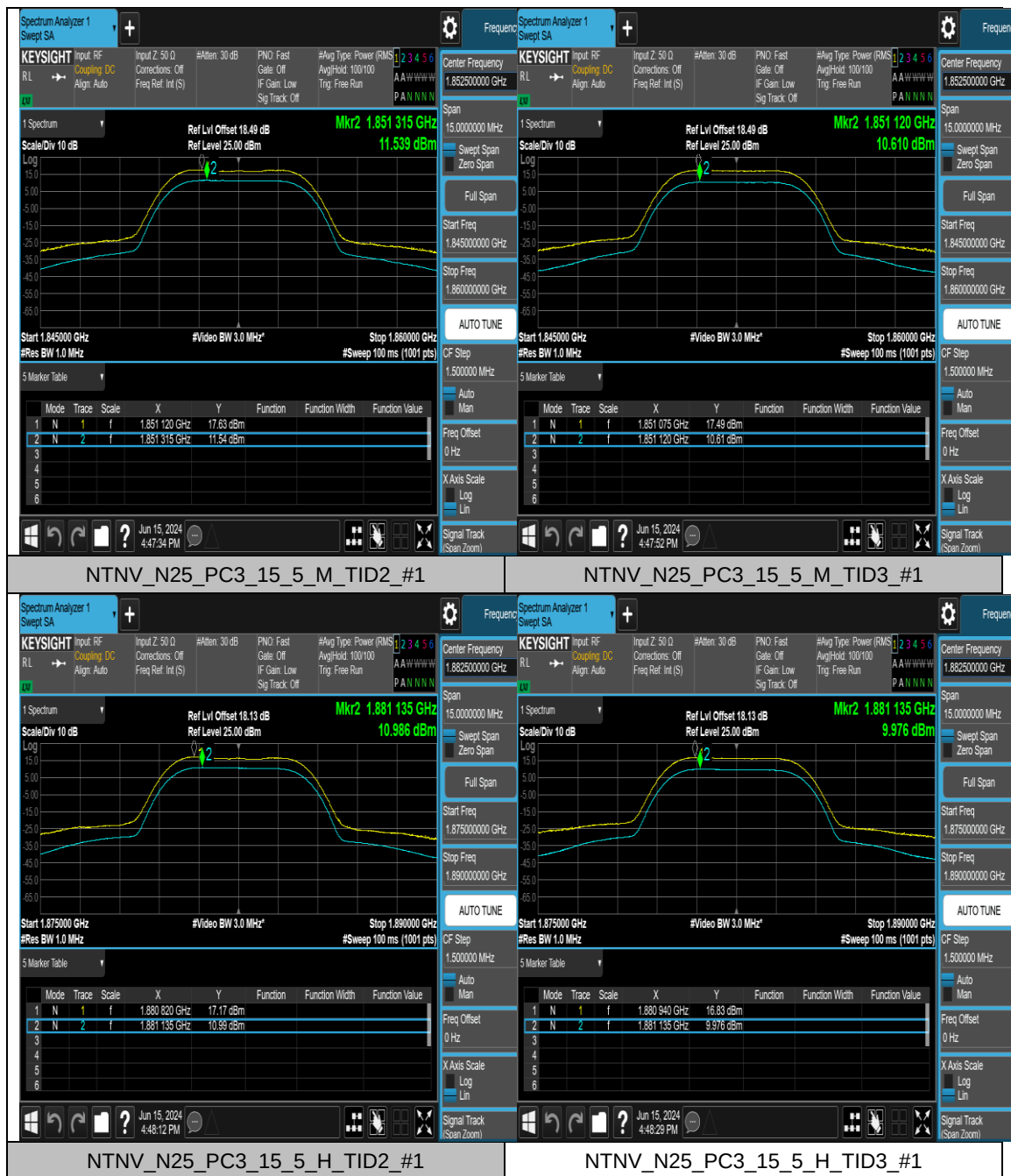
Test Result

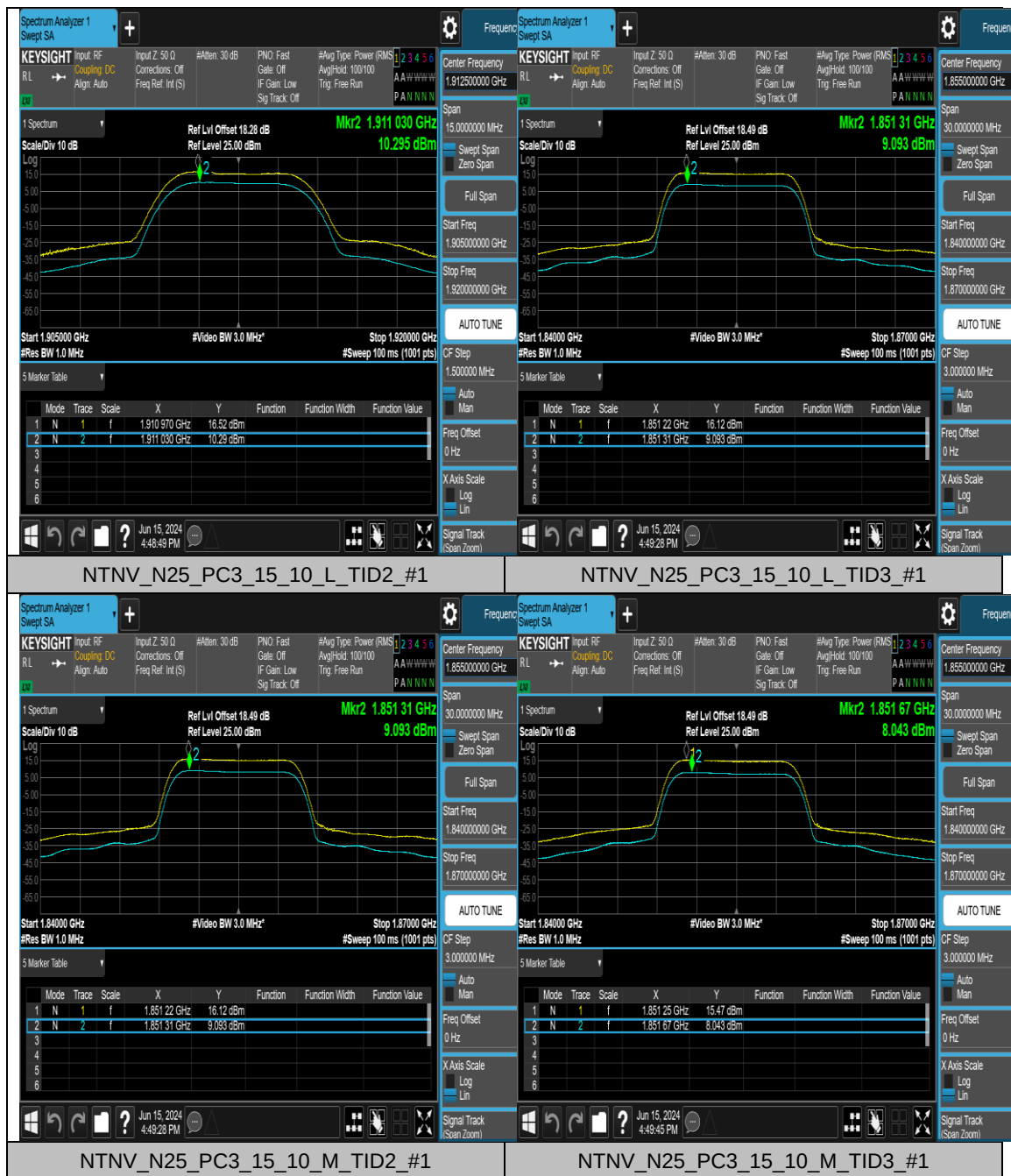
Band	SCS	Bandwidth	Modulation	Channel	RB Config	DutyCycle	Factor	Result	Limit	Verdict
N25	15	5	DFT-QPSK	L	Outer_Full	100%	0.00	6.09	≤13	PASS
N25	15	5	DFT-16QAM	L	Outer_Full	100%	0.00	6.88	≤13	PASS
N25	15	5	DFT-QPSK	M	Outer_Full	100%	0.00	6.18	≤13	PASS
N25	15	5	DFT-16QAM	M	Outer_Full	100%	0.00	6.85	≤13	PASS
N25	15	5	DFT-QPSK	H	Outer_Full	100%	0.00	6.22	≤13	PASS
N25	15	5	DFT-16QAM	H	Outer_Full	100%	0.00	7.13	≤13	PASS
N25	15	10	DFT-QPSK	L	Outer_Full	100%	0.00	7.03	≤13	PASS
N25	15	10	DFT-16QAM	L	Outer_Full	100%	0.00	7.43	≤13	PASS
N25	15	10	DFT-QPSK	M	Outer_Full	100%	0.00	7.08	≤13	PASS
N25	15	10	DFT-16QAM	M	Outer_Full	100%	0.00	7.33	≤13	PASS
N25	15	10	DFT-QPSK	H	Outer_Full	100%	0.00	6.97	≤13	PASS
N25	15	10	DFT-16QAM	H	Outer_Full	100%	0.00	7.39	≤13	PASS
N25	15	15	DFT-QPSK	L	Outer_Full	100%	0.00	7.33	≤13	PASS
N25	15	15	DFT-16QAM	L	Outer_Full	100%	0.00	7.58	≤13	PASS
N25	15	15	DFT-QPSK	M	Outer_Full	100%	0.00	7.30	≤13	PASS
N25	15	15	DFT-16QAM	M	Outer_Full	100%	0.00	7.60	≤13	PASS
N25	15	15	DFT-QPSK	H	Outer_Full	100%	0.00	7.33	≤13	PASS
N25	15	15	DFT-16QAM	H	Outer_Full	100%	0.00	7.72	≤13	PASS
N25	15	20	DFT-QPSK	L	Outer_Full	100%	0.00	7.53	≤13	PASS
N25	15	20	DFT-16QAM	L	Outer_Full	100%	0.00	7.62	≤13	PASS
N25	15	20	DFT-QPSK	M	Outer_Full	100%	0.00	7.53	≤13	PASS
N25	15	20	DFT-16QAM	M	Outer_Full	100%	0.00	7.66	≤13	PASS
N25	15	20	DFT-QPSK	H	Outer_Full	100%	0.00	7.57	≤13	PASS
N25	15	20	DFT-16QAM	H	Outer_Full	100%	0.00	7.70	≤13	PASS

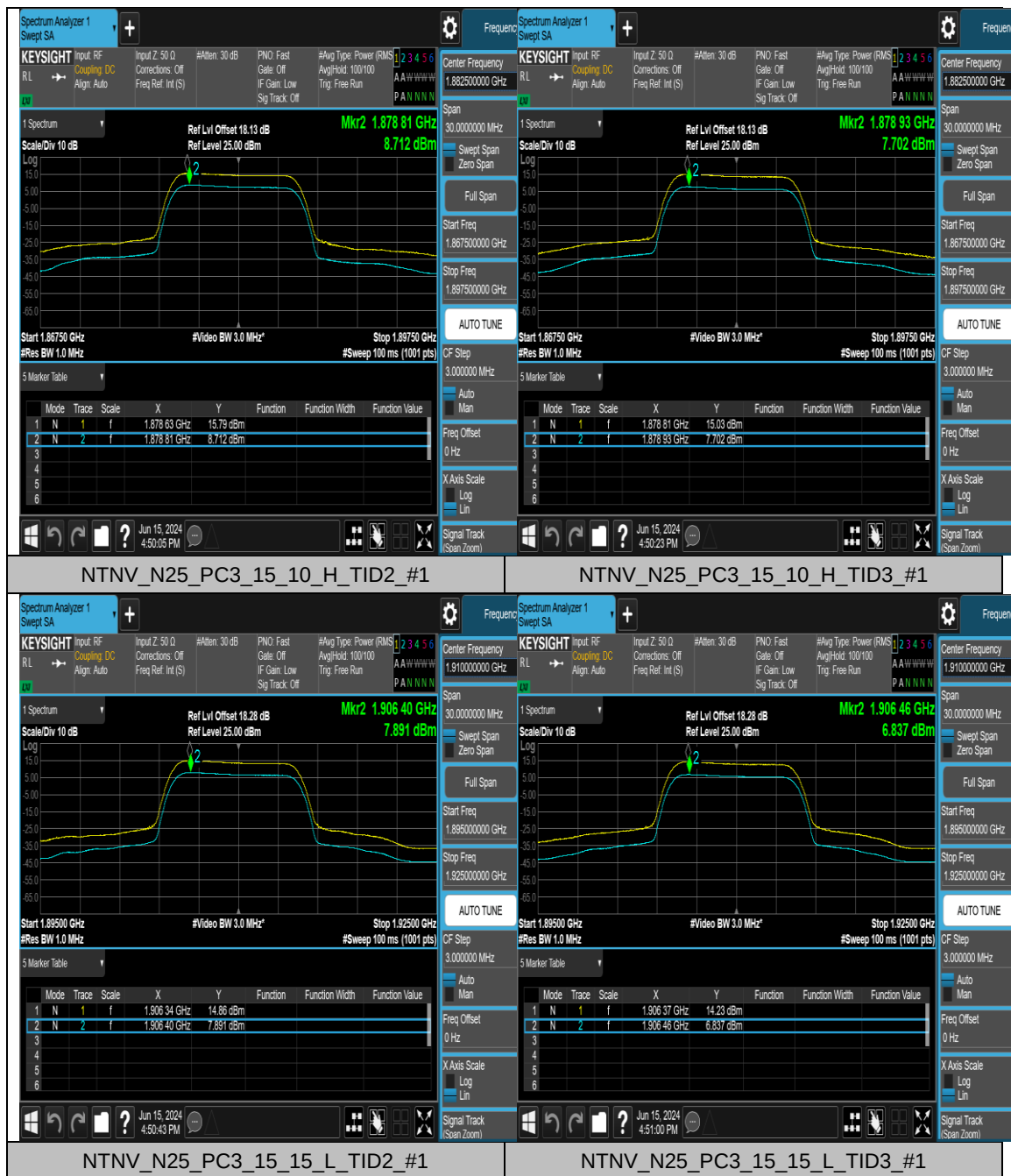
Test Graphs

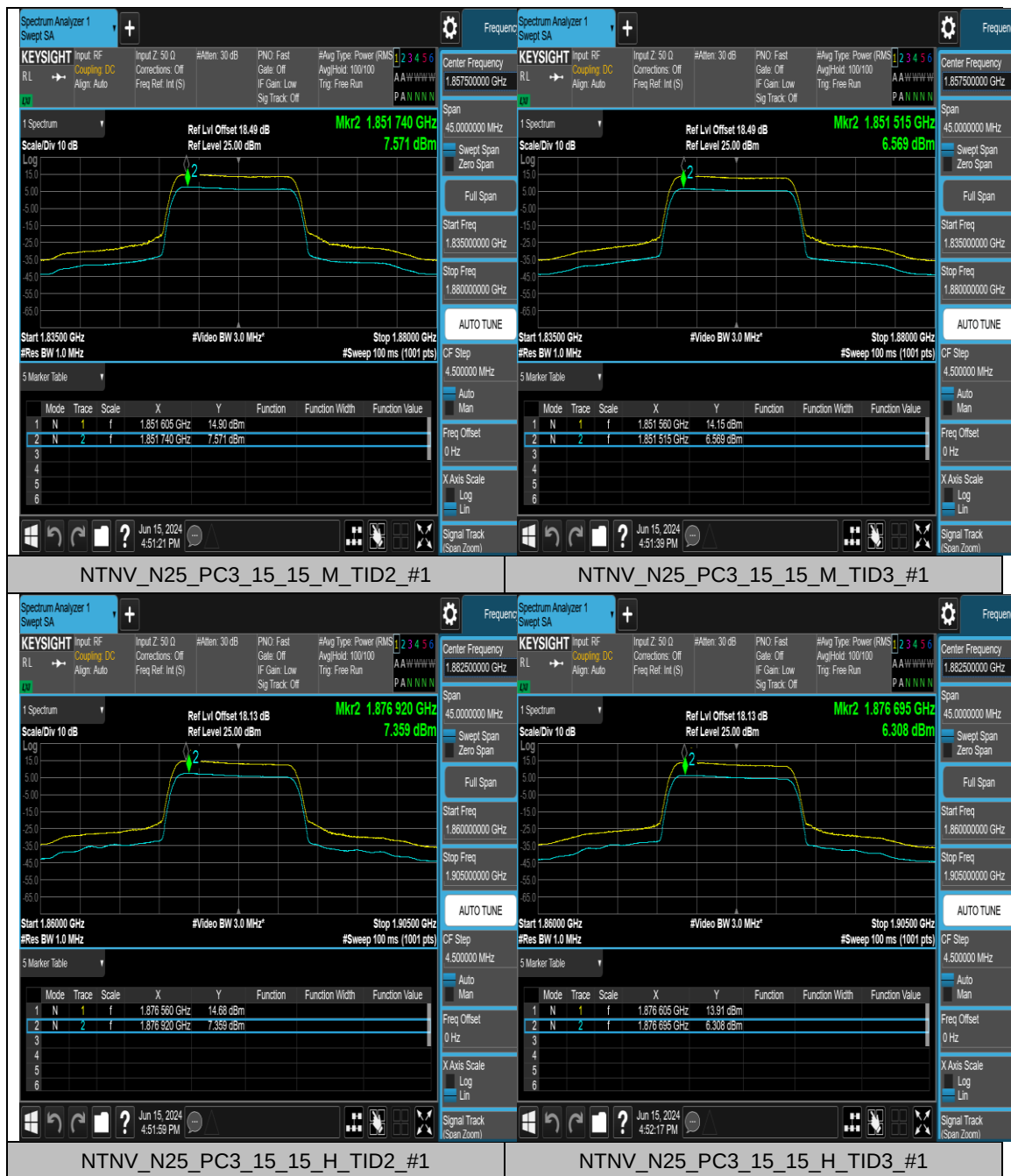
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NTNV_N25_PC3_15_5_L_TID3_#1

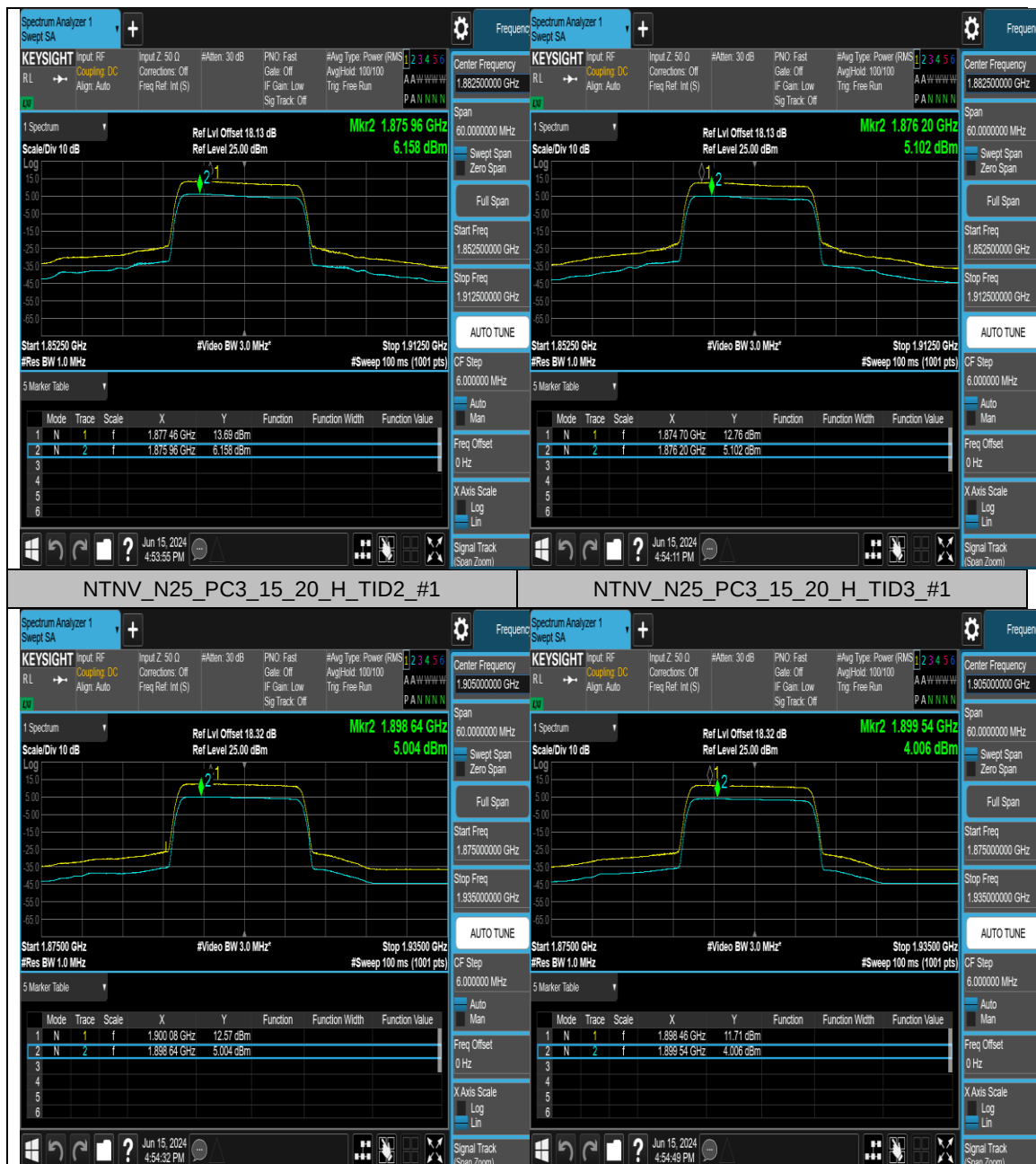










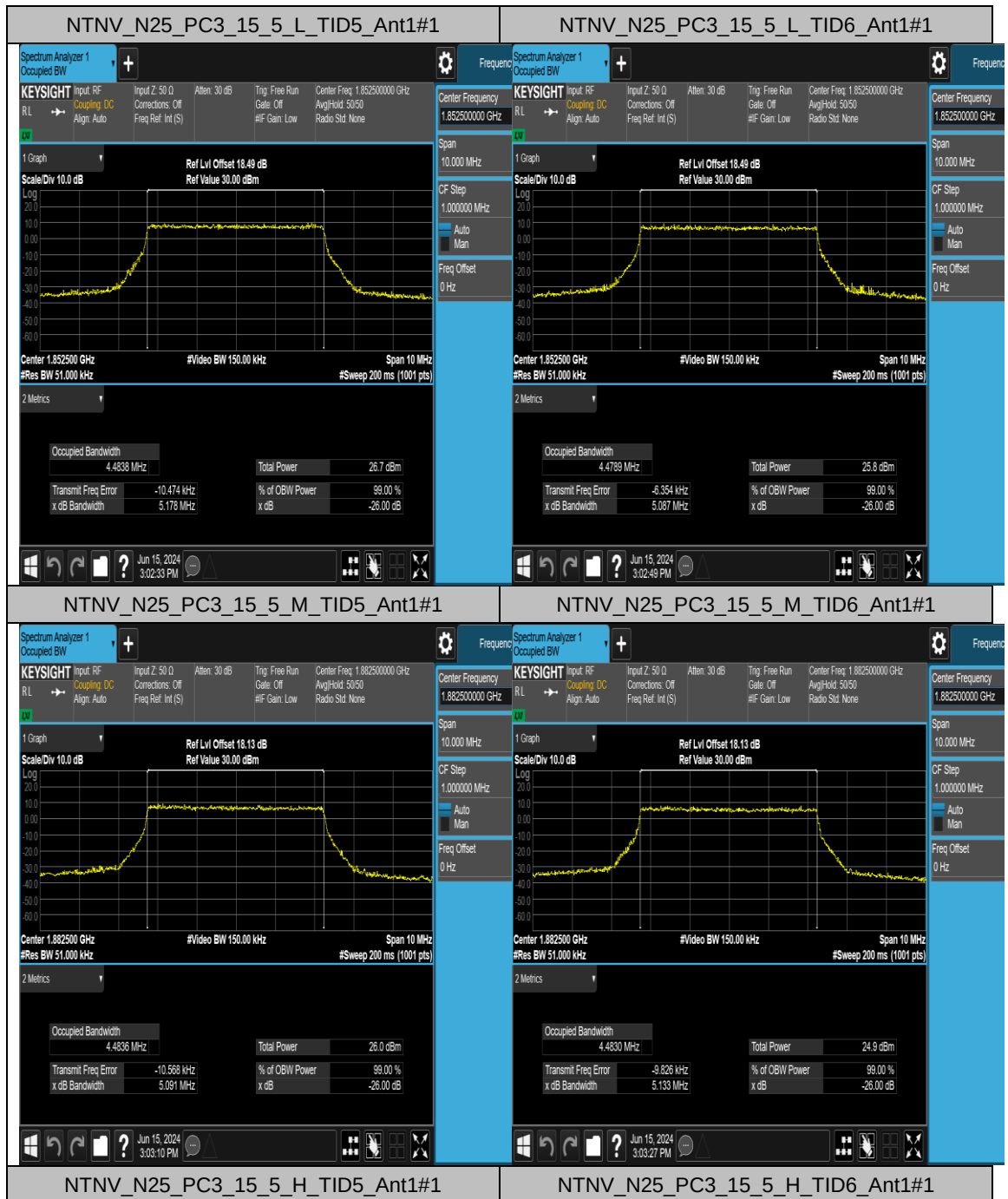


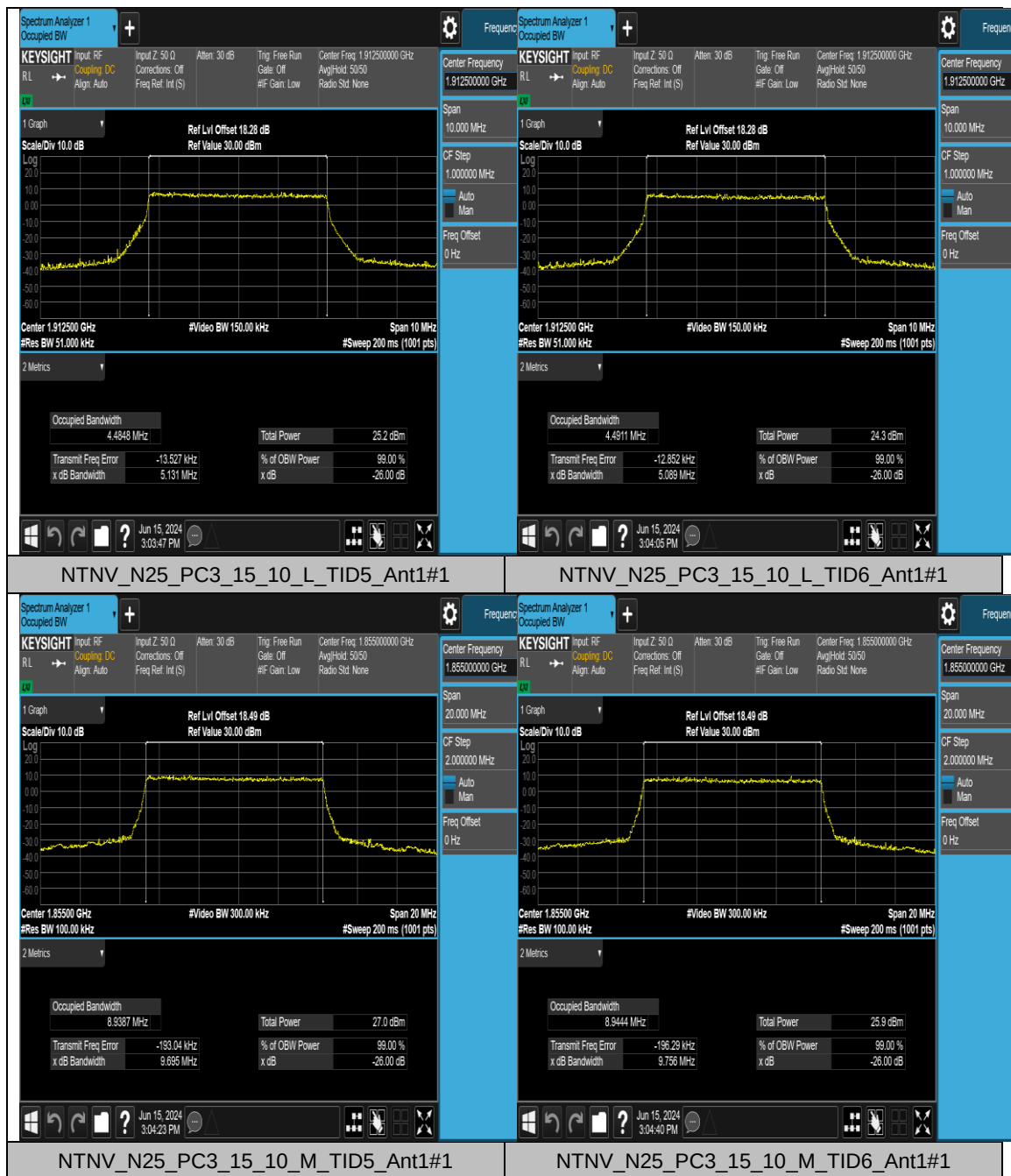
Appendix C: 26dB Bandwidth and Occupied Bandwidth for SA

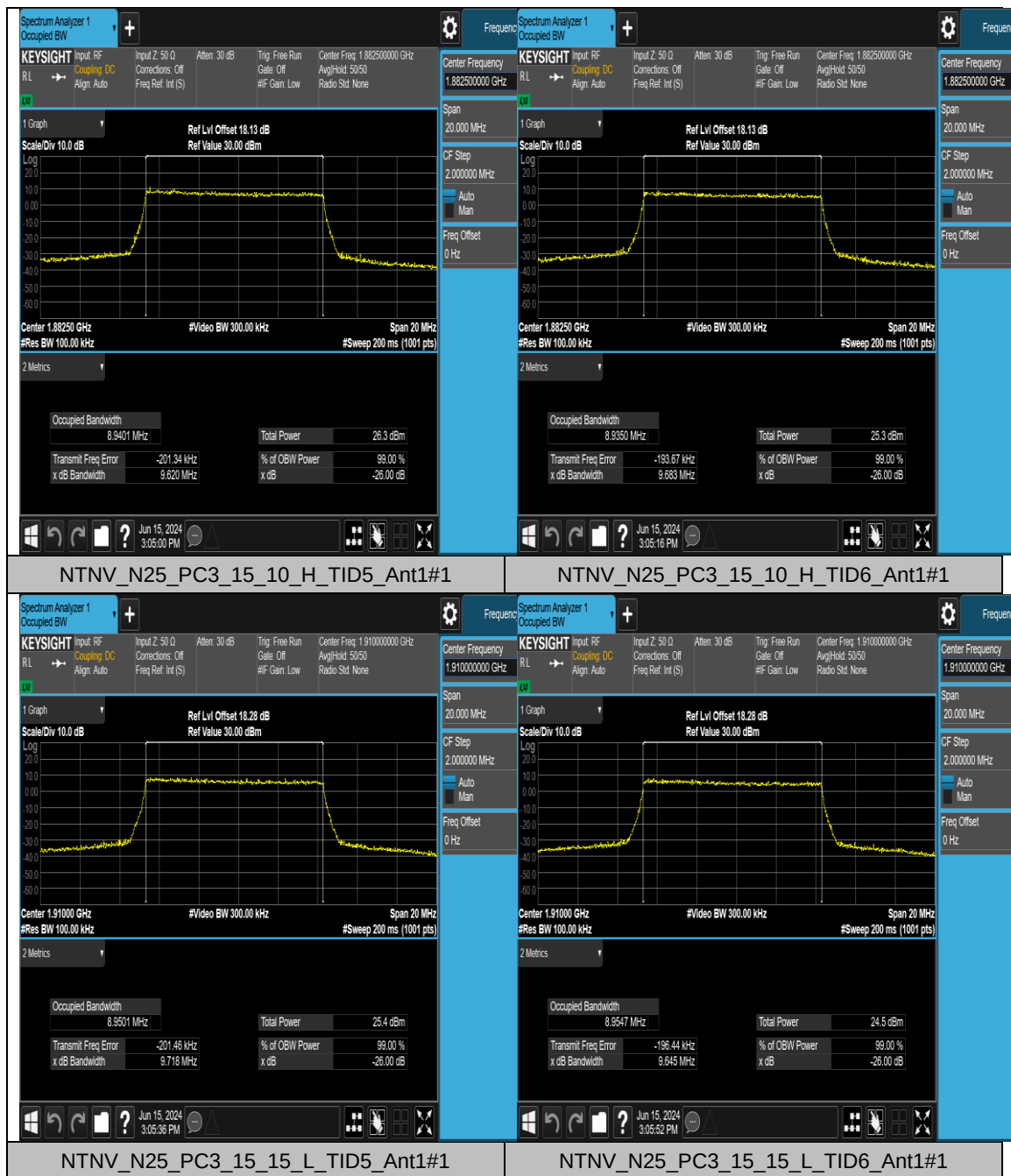
Test Result

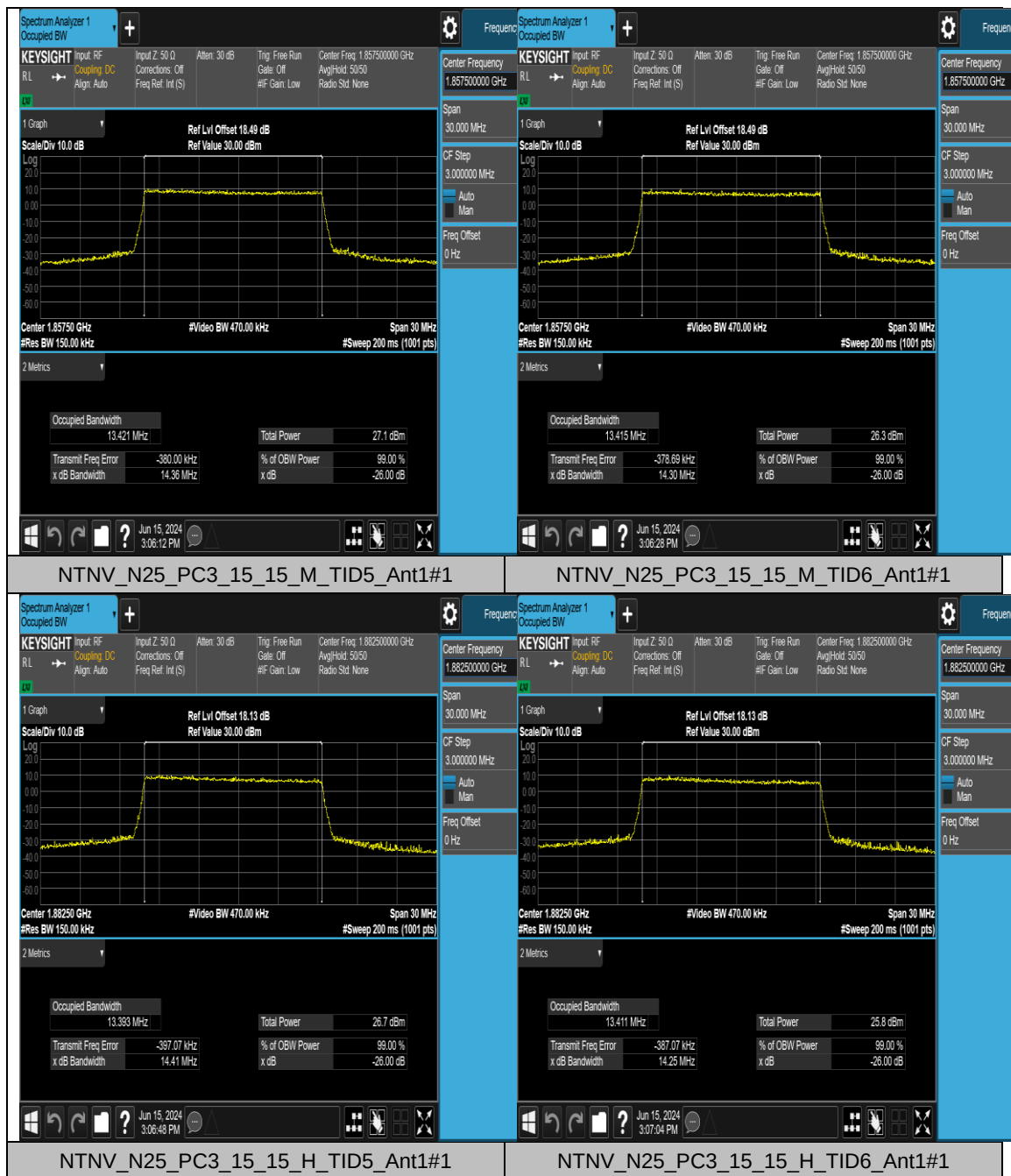
Band	SCS	Bandwidth	Modulation	Channel	RB Config	Result (99%)	Result (26dB)	Verdict
N25	15	5	DFT-QPSK	L	Outer_Full	4.4838	5.178	PASS
N25	15	5	DFT-16QAM	L	Outer_Full	4.4789	5.087	PASS
N25	15	5	DFT-QPSK	M	Outer_Full	4.4836	5.091	PASS
N25	15	5	DFT-16QAM	M	Outer_Full	4.4830	5.133	PASS
N25	15	5	DFT-QPSK	H	Outer_Full	4.4848	5.131	PASS
N25	15	5	DFT-16QAM	H	Outer_Full	4.4911	5.089	PASS
N25	15	10	DFT-QPSK	L	Outer_Full	8.9387	9.695	PASS
N25	15	10	DFT-16QAM	L	Outer_Full	8.9444	9.756	PASS
N25	15	10	DFT-QPSK	M	Outer_Full	8.9401	9.620	PASS
N25	15	10	DFT-16QAM	M	Outer_Full	8.9350	9.683	PASS
N25	15	10	DFT-QPSK	H	Outer_Full	8.9501	9.718	PASS
N25	15	10	DFT-16QAM	H	Outer_Full	8.9547	9.645	PASS
N25	15	15	DFT-QPSK	L	Outer_Full	13.421	14.36	PASS
N25	15	15	DFT-16QAM	L	Outer_Full	13.415	14.30	PASS
N25	15	15	DFT-QPSK	M	Outer_Full	13.393	14.41	PASS
N25	15	15	DFT-16QAM	M	Outer_Full	13.411	14.25	PASS
N25	15	15	DFT-QPSK	H	Outer_Full	13.404	14.40	PASS
N25	15	15	DFT-16QAM	H	Outer_Full	13.394	14.32	PASS
N25	15	20	DFT-QPSK	L	Outer_Full	17.892	18.94	PASS
N25	15	20	DFT-16QAM	L	Outer_Full	17.904	18.92	PASS
N25	15	20	DFT-QPSK	M	Outer_Full	17.850	18.86	PASS
N25	15	20	DFT-16QAM	M	Outer_Full	17.840	18.88	PASS
N25	15	20	DFT-QPSK	H	Outer_Full	17.844	18.82	PASS
N25	15	20	DFT-16QAM	H	Outer_Full	17.848	18.86	PASS

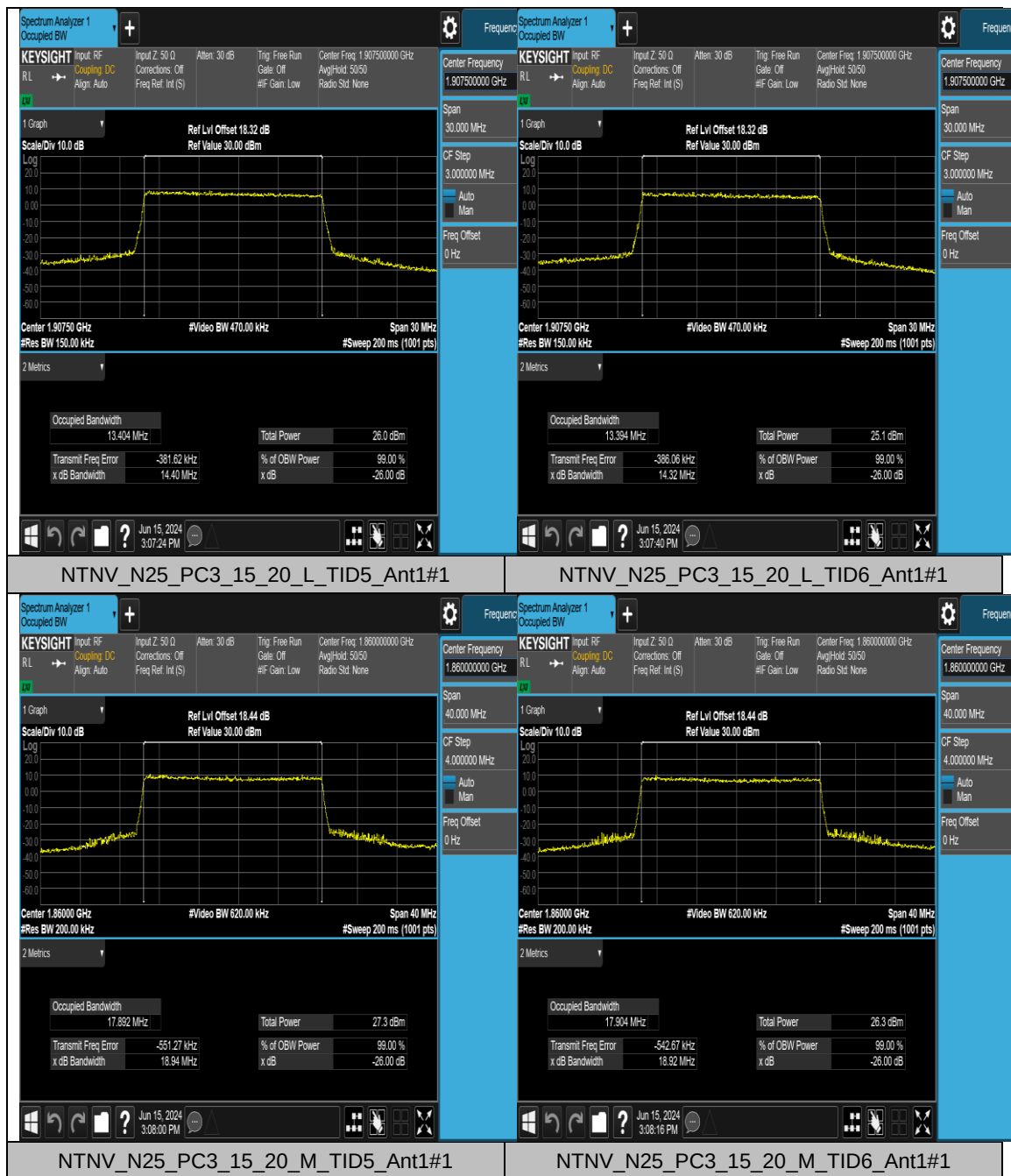
Test Graphs

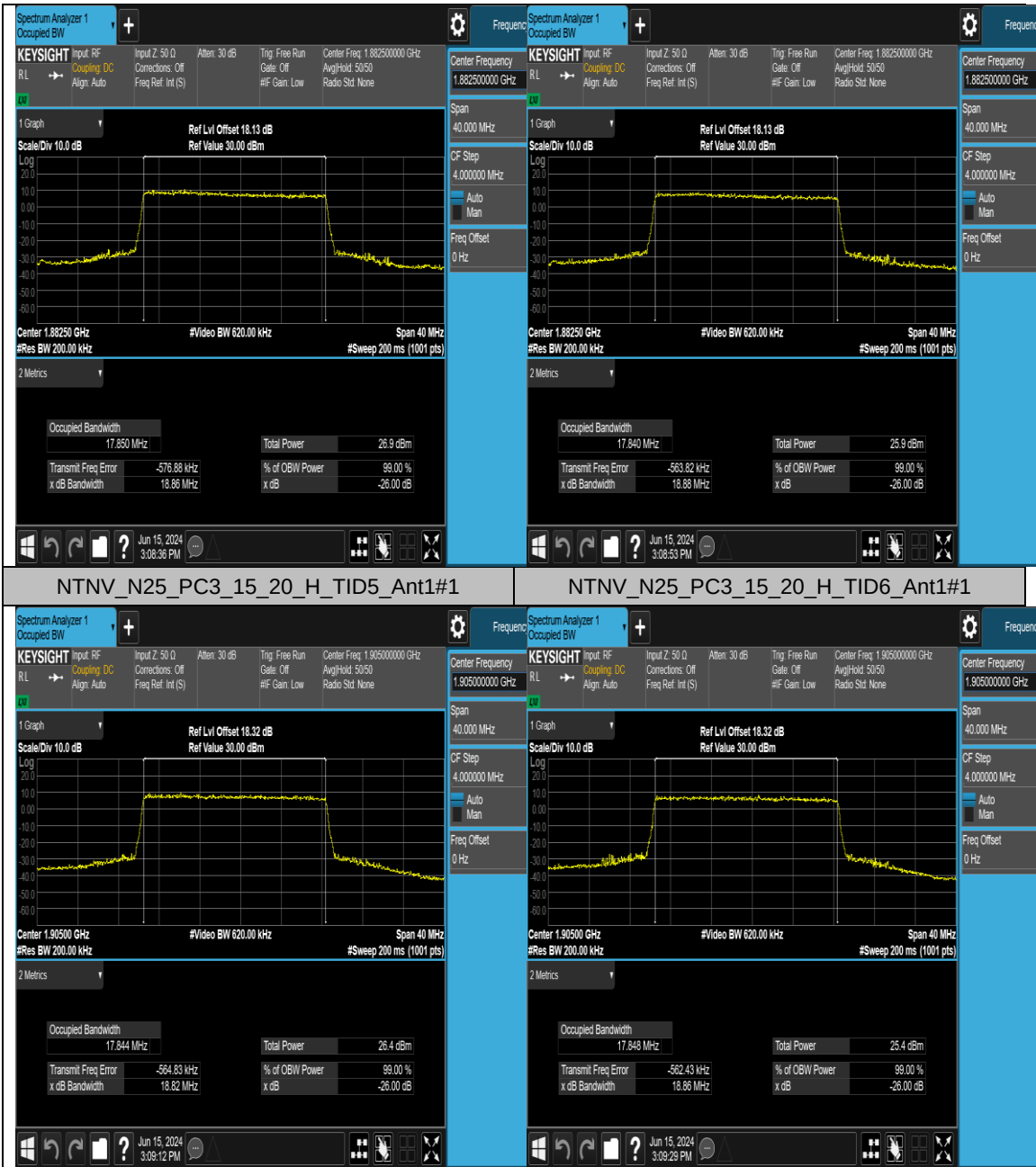












Appendix D: Band Edge for SA

Test Result

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

Test Graphs

