

Appendix for N2

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
N2	15	5	DFT-QPSK	L	Outer_Full	21.89	PC3	PASS
N2	15	5	DFT-QPSK	L	Inner_Full	22.75	PC3	PASS
N2	15	5	DFT-QPSK	L	Edge_1RB_Left	21.73	PC3	PASS
N2	15	5	DFT-QPSK	L	Edge_1RB_Right	21.60	PC3	PASS
N2	15	5	DFT-16QAM	L	Outer_Full	20.86	PC3	PASS
N2	15	5	DFT-16QAM	L	Inner_Full	21.79	PC3	PASS
N2	15	5	DFT-16QAM	L	Edge_1RB_Left	21.20	PC3	PASS
N2	15	5	DFT-16QAM	L	Edge_1RB_Right	20.08	PC3	PASS
N2	15	5	DFT-QPSK	M	Outer_Full	22.14	PC3	PASS
N2	15	5	DFT-QPSK	M	Inner_Full	22.99	PC3	PASS
N2	15	5	DFT-QPSK	M	Edge_1RB_Left	22.04	PC3	PASS
N2	15	5	DFT-QPSK	M	Edge_1RB_Right	21.98	PC3	PASS
N2	15	5	DFT-16QAM	M	Outer_Full	21.19	PC3	PASS
N2	15	5	DFT-16QAM	M	Inner_Full	22.30	PC3	PASS
N2	15	5	DFT-16QAM	M	Edge_1RB_Left	21.07	PC3	PASS
N2	15	5	DFT-16QAM	M	Edge_1RB_Right	20.94	PC3	PASS
N2	15	5	DFT-QPSK	H	Outer_Full	21.96	PC3	PASS
N2	15	5	DFT-QPSK	H	Inner_Full	22.81	PC3	PASS
N2	15	5	DFT-QPSK	H	Edge_1RB_Left	21.82	PC3	PASS
N2	15	5	DFT-QPSK	H	Edge_1RB_Right	21.94	PC3	PASS
N2	15	5	DFT-16QAM	H	Outer_Full	20.94	PC3	PASS
N2	15	5	DFT-16QAM	H	Inner_Full	21.87	PC3	PASS
N2	15	5	DFT-16QAM	H	Edge_1RB_Left	20.76	PC3	PASS
N2	15	5	DFT-16QAM	H	Edge_1RB_Right	21.11	PC3	PASS
N2	15	10	DFT-QPSK	L	Outer_Full	21.93	PC3	PASS
N2	15	10	DFT-QPSK	L	Inner_Full	22.68	PC3	PASS
N2	15	10	DFT-QPSK	L	Edge_1RB_Left	21.91	PC3	PASS
N2	15	10	DFT-QPSK	L	Edge_1RB_Right	22.14	PC3	PASS
N2	15	10	DFT-16QAM	L	Outer_Full	20.88	PC3	PASS
N2	15	10	DFT-16QAM	L	Inner_Full	21.86	PC3	PASS
N2	15	10	DFT-16QAM	L	Edge_1RB_Left	21.20	PC3	PASS
N2	15	10	DFT-16QAM	L	Edge_1RB_Right	20.90	PC3	PASS
N2	15	10	DFT-QPSK	M	Outer_Full	22.24	PC3	PASS
N2	15	10	DFT-QPSK	M	Inner_Full	22.96	PC3	PASS
N2	15	10	DFT-QPSK	M	Edge_1RB_Left	22.23	PC3	PASS

N2	15	10	DFT-QPSK	M	Edge_1RB_Right	21.75	PC3	PASS
N2	15	10	DFT-16QAM	M	Outer_Full	21.16	PC3	PASS
N2	15	10	DFT-16QAM	M	Inner_Full	22.17	PC3	PASS
N2	15	10	DFT-16QAM	M	Edge_1RB_Left	21.16	PC3	PASS
N2	15	10	DFT-16QAM	M	Edge_1RB_Right	21.12	PC3	PASS
N2	15	10	DFT-QPSK	H	Outer_Full	21.95	PC3	PASS
N2	15	10	DFT-QPSK	H	Inner_Full	22.74	PC3	PASS
N2	15	10	DFT-QPSK	H	Edge_1RB_Left	22.10	PC3	PASS
N2	15	10	DFT-QPSK	H	Edge_1RB_Right	21.47	PC3	PASS
N2	15	10	DFT-16QAM	H	Outer_Full	20.95	PC3	PASS
N2	15	10	DFT-16QAM	H	Inner_Full	21.99	PC3	PASS
N2	15	10	DFT-16QAM	H	Edge_1RB_Left	20.80	PC3	PASS
N2	15	10	DFT-16QAM	H	Edge_1RB_Right	20.51	PC3	PASS
N2	15	15	DFT-QPSK	L	Outer_Full	22.11	PC3	PASS
N2	15	15	DFT-QPSK	L	Inner_Full	23.07	PC3	PASS
N2	15	15	DFT-QPSK	L	Edge_1RB_Left	22.02	PC3	PASS
N2	15	15	DFT-QPSK	L	Edge_1RB_Right	22.11	PC3	PASS
N2	15	15	DFT-16QAM	L	Outer_Full	21.11	PC3	PASS
N2	15	15	DFT-16QAM	L	Inner_Full	22.15	PC3	PASS
N2	15	15	DFT-16QAM	L	Edge_1RB_Left	21.43	PC3	PASS
N2	15	15	DFT-16QAM	L	Edge_1RB_Right	21.30	PC3	PASS
N2	15	15	DFT-QPSK	M	Outer_Full	22.35	PC3	PASS
N2	15	15	DFT-QPSK	M	Inner_Full	23.03	PC3	PASS
N2	15	15	DFT-QPSK	M	Edge_1RB_Left	22.36	PC3	PASS
N2	15	15	DFT-QPSK	M	Edge_1RB_Right	22.30	PC3	PASS
N2	15	15	DFT-16QAM	M	Outer_Full	21.25	PC3	PASS
N2	15	15	DFT-16QAM	M	Inner_Full	22.40	PC3	PASS
N2	15	15	DFT-16QAM	M	Edge_1RB_Left	21.10	PC3	PASS
N2	15	15	DFT-16QAM	M	Edge_1RB_Right	21.59	PC3	PASS
N2	15	15	DFT-QPSK	H	Outer_Full	22.13	PC3	PASS
N2	15	15	DFT-QPSK	H	Inner_Full	22.96	PC3	PASS
N2	15	15	DFT-QPSK	H	Edge_1RB_Left	22.48	PC3	PASS
N2	15	15	DFT-QPSK	H	Edge_1RB_Right	22.27	PC3	PASS
N2	15	15	DFT-16QAM	H	Outer_Full	21.12	PC3	PASS
N2	15	15	DFT-16QAM	H	Inner_Full	22.10	PC3	PASS
N2	15	15	DFT-16QAM	H	Edge_1RB_Left	21.18	PC3	PASS
N2	15	15	DFT-16QAM	H	Edge_1RB_Right	21.17	PC3	PASS
N2	15	20	DFT-QPSK	L	Outer_Full	22.19	PC3	PASS
N2	15	20	DFT-QPSK	L	Inner_Full	22.98	PC3	PASS
N2	15	20	DFT-QPSK	L	Edge_1RB_Left	22.22	PC3	PASS
N2	15	20	DFT-QPSK	L	Edge_1RB_Right	22.26	PC3	PASS
N2	15	20	DFT-16QAM	L	Outer_Full	21.17	PC3	PASS

N2	15	20	DFT-16QAM	L	Inner_Full	22.26	PC3	PASS
N2	15	20	DFT-16QAM	L	Edge_1RB_Left	20.81	PC3	PASS
N2	15	20	DFT-16QAM	L	Edge_1RB_Right	21.36	PC3	PASS
N2	15	20	DFT-QPSK	M	Outer_Full	22.32	PC3	PASS
N2	15	20	DFT-QPSK	M	Inner_Full	23.13	PC3	PASS
N2	15	20	DFT-QPSK	M	Edge_1RB_Left	22.41	PC3	PASS
N2	15	20	DFT-QPSK	M	Edge_1RB_Right	22.25	PC3	PASS
N2	15	20	DFT-16QAM	M	Outer_Full	21.36	PC3	PASS
N2	15	20	DFT-16QAM	M	Inner_Full	22.25	PC3	PASS
N2	15	20	DFT-16QAM	M	Edge_1RB_Left	21.00	PC3	PASS
N2	15	20	DFT-16QAM	M	Edge_1RB_Right	21.36	PC3	PASS
N2	15	20	DFT-QPSK	H	Outer_Full	22.41	PC3	PASS
N2	15	20	DFT-QPSK	H	Inner_Full	22.96	PC3	PASS
N2	15	20	DFT-QPSK	H	Edge_1RB_Left	22.13	PC3	PASS
N2	15	20	DFT-QPSK	H	Edge_1RB_Right	22.24	PC3	PASS
N2	15	20	DFT-16QAM	H	Outer_Full	21.23	PC3	PASS
N2	15	20	DFT-16QAM	H	Inner_Full	22.20	PC3	PASS
N2	15	20	DFT-16QAM	H	Edge_1RB_Left	21.31	PC3	PASS
N2	15	20	DFT-16QAM	H	Edge_1RB_Right	21.06	PC3	PASS

Appendix B: Peak-to-Average Ratio for SA

Peak-to-Average Ratio(PAPR)

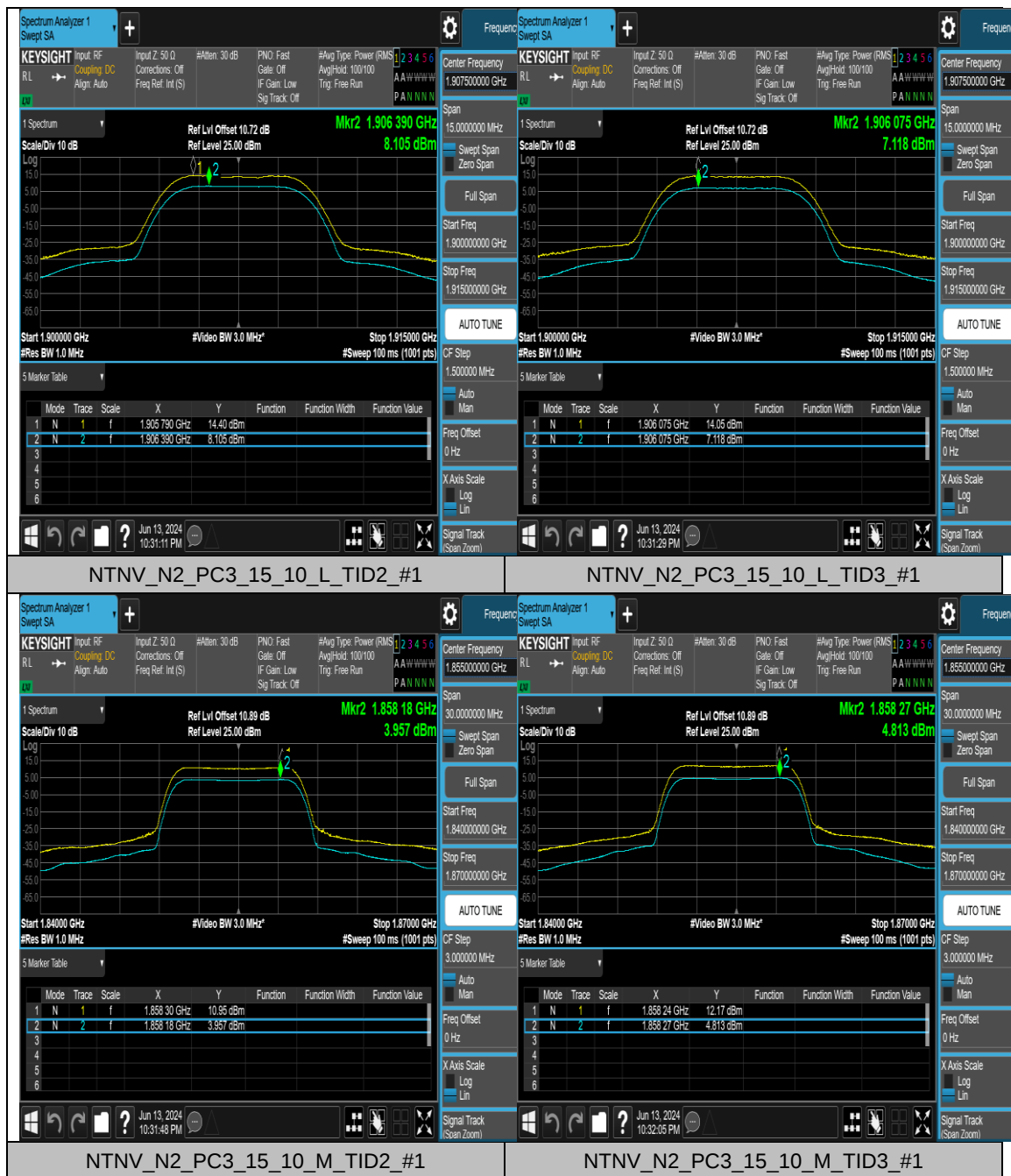
Test Result

Band	SCS	Bandwidth	Modulation	Channel	RB Config	DutyCycle	Factor	Result	Limit	Verdict
N2	15	5	DFT-QPSK	L	Outer_Full	100%	0.00	6.15	≤13	PASS
N2	15	5	DFT-16QAM	L	Outer_Full	100%	0.00	6.88	≤13	PASS
N2	15	5	DFT-QPSK	M	Outer_Full	100%	0.00	6.03	≤13	PASS
N2	15	5	DFT-16QAM	M	Outer_Full	100%	0.00	6.82	≤13	PASS
N2	15	5	DFT-QPSK	H	Outer_Full	100%	0.00	6.29	≤13	PASS
N2	15	5	DFT-16QAM	H	Outer_Full	100%	0.00	6.93	≤13	PASS
N2	15	10	DFT-QPSK	L	Outer_Full	100%	0.00	6.99	≤13	PASS
N2	15	10	DFT-16QAM	L	Outer_Full	100%	0.00	7.36	≤13	PASS
N2	15	10	DFT-QPSK	M	Outer_Full	100%	0.00	7.10	≤13	PASS
N2	15	10	DFT-16QAM	M	Outer_Full	100%	0.00	7.49	≤13	PASS
N2	15	10	DFT-QPSK	H	Outer_Full	100%	0.00	7.07	≤13	PASS
N2	15	10	DFT-16QAM	H	Outer_Full	100%	0.00	7.30	≤13	PASS
N2	15	15	DFT-QPSK	L	Outer_Full	100%	0.00	7.42	≤13	PASS
N2	15	15	DFT-16QAM	L	Outer_Full	100%	0.00	7.58	≤13	PASS
N2	15	15	DFT-QPSK	M	Outer_Full	100%	0.00	7.33	≤13	PASS
N2	15	15	DFT-16QAM	M	Outer_Full	100%	0.00	7.54	≤13	PASS
N2	15	15	DFT-QPSK	H	Outer_Full	100%	0.00	7.36	≤13	PASS
N2	15	15	DFT-16QAM	H	Outer_Full	100%	0.00	7.50	≤13	PASS
N2	15	20	DFT-QPSK	L	Outer_Full	100%	0.00	7.59	≤13	PASS
N2	15	20	DFT-16QAM	L	Outer_Full	100%	0.00	7.76	≤13	PASS
N2	15	20	DFT-QPSK	M	Outer_Full	100%	0.00	7.51	≤13	PASS
N2	15	20	DFT-16QAM	M	Outer_Full	100%	0.00	7.69	≤13	PASS
N2	15	20	DFT-QPSK	H	Outer_Full	100%	0.00	7.61	≤13	PASS
N2	15	20	DFT-16QAM	H	Outer_Full	100%	0.00	7.74	≤13	PASS

Test Graphs

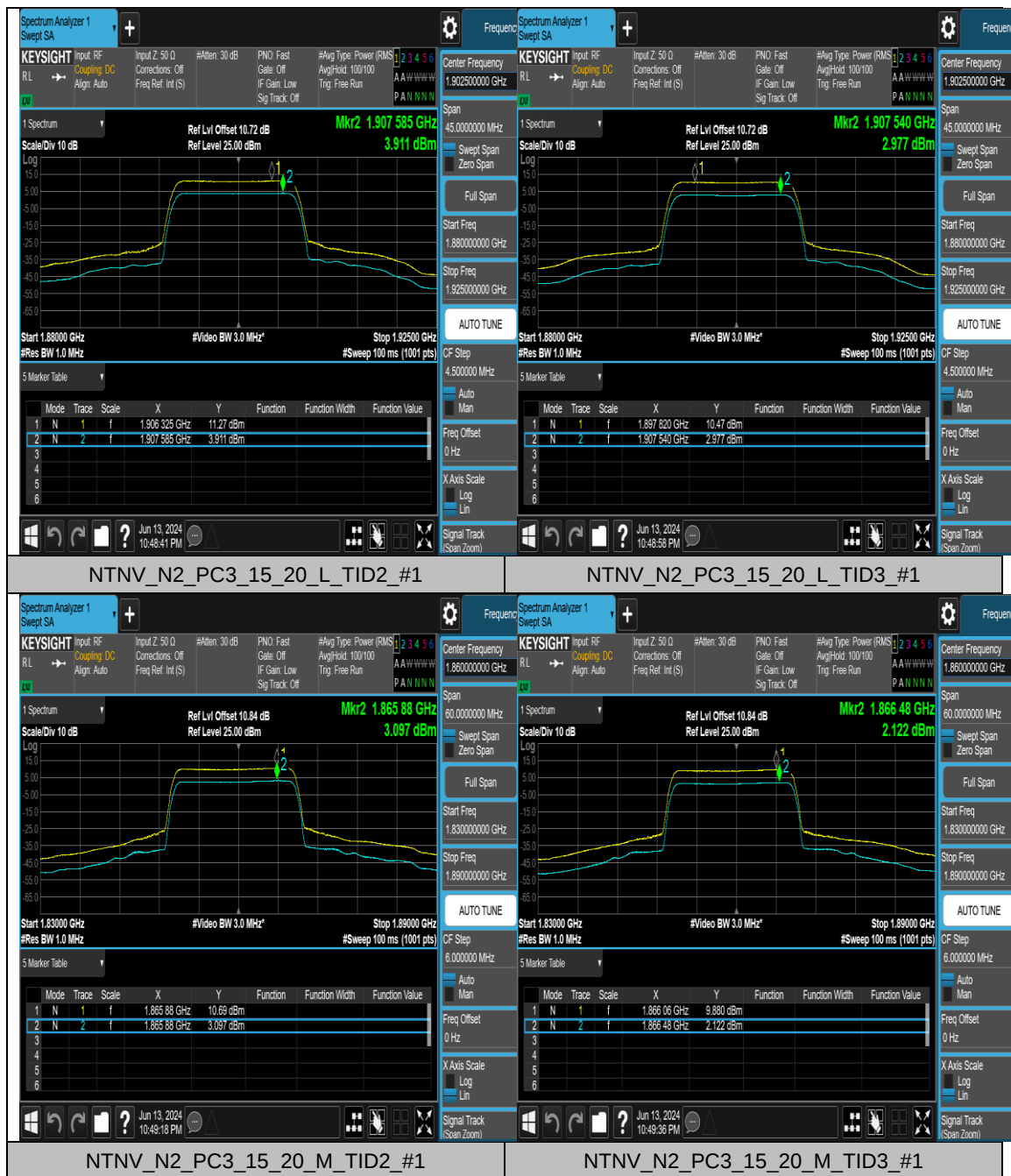
NTNV_N2_PC3_15_5_L_TID2_#1	NTNV_N2_PC3_15_5_L_TID3_#1
----------------------------	----------------------------

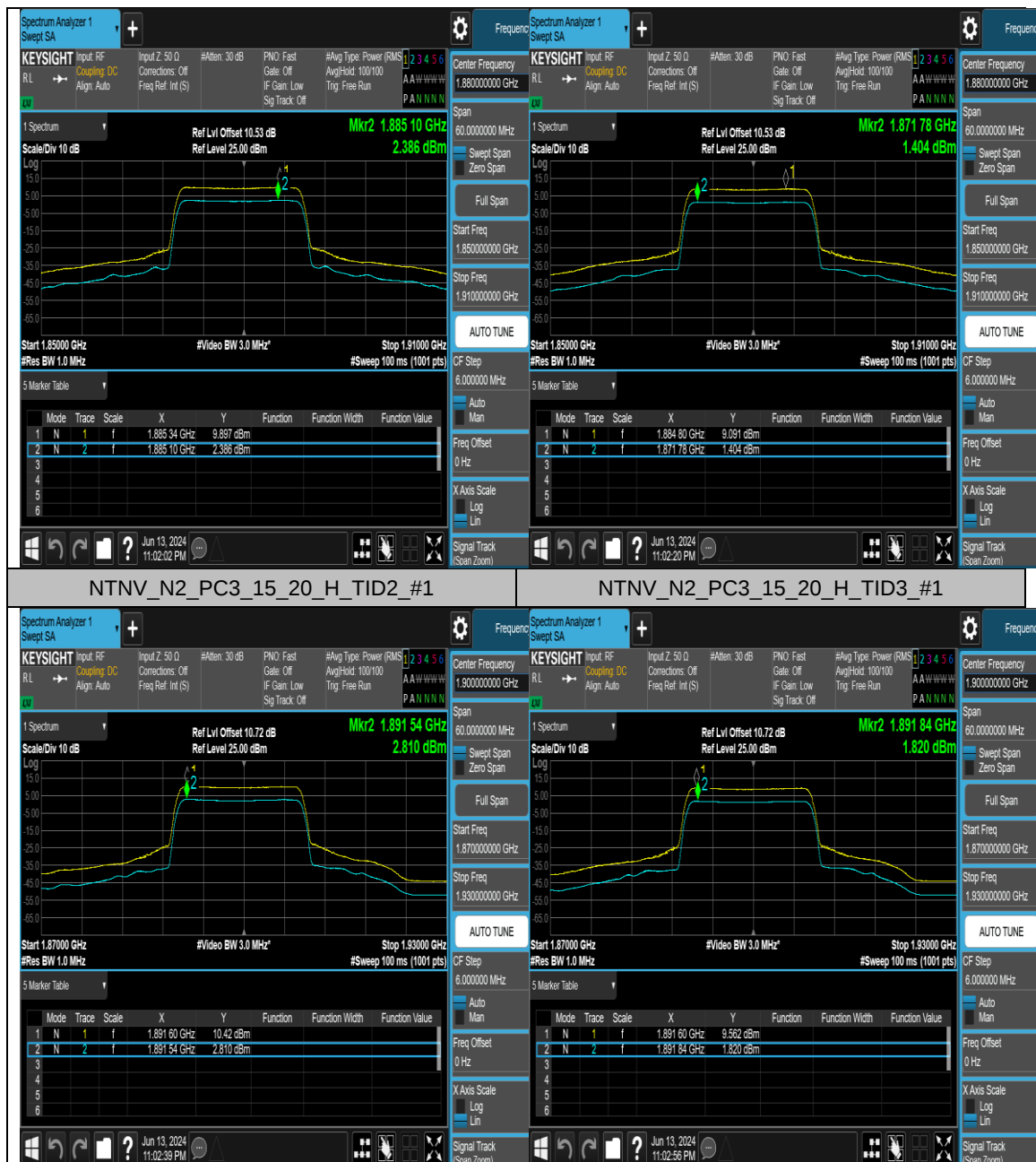










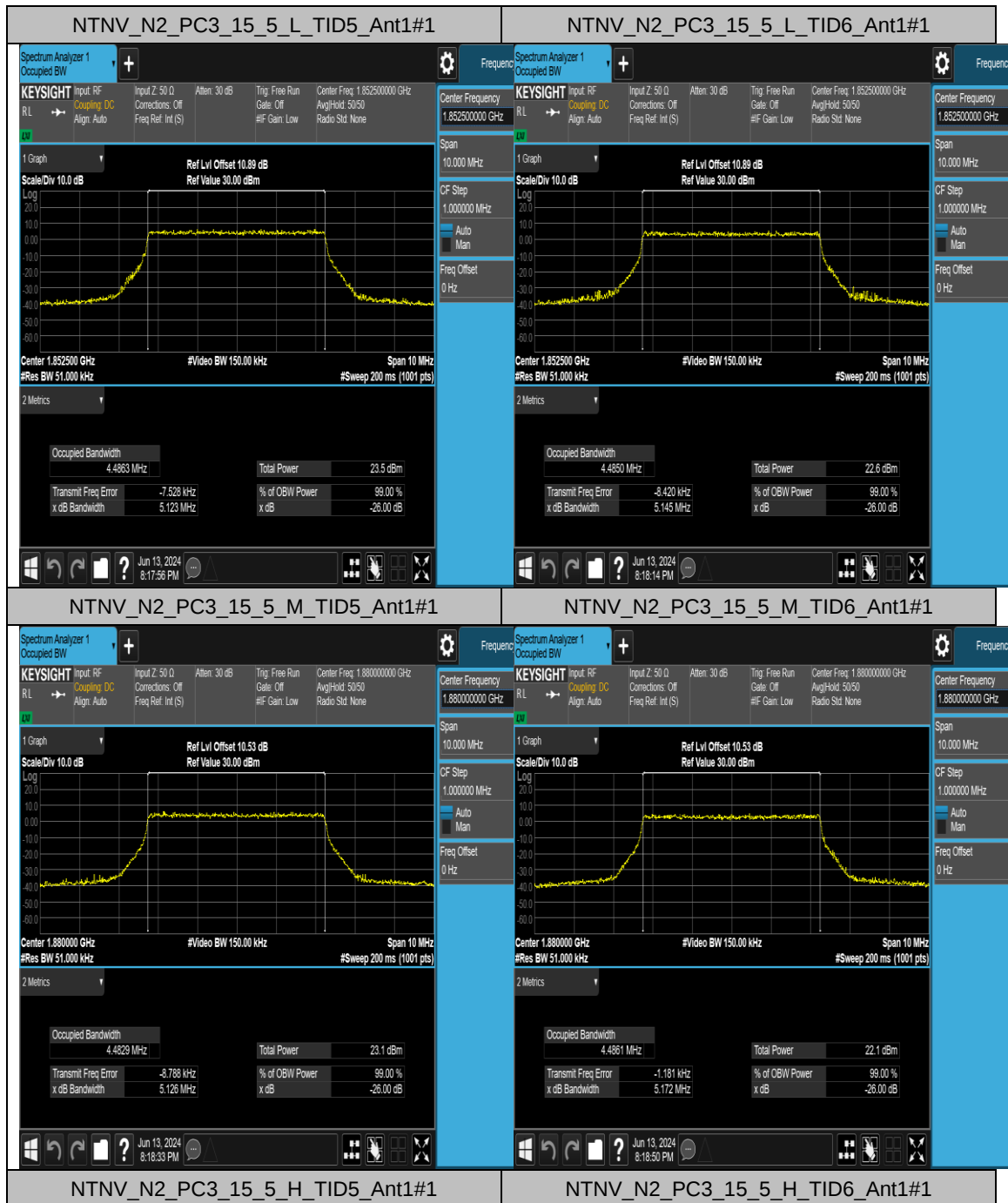


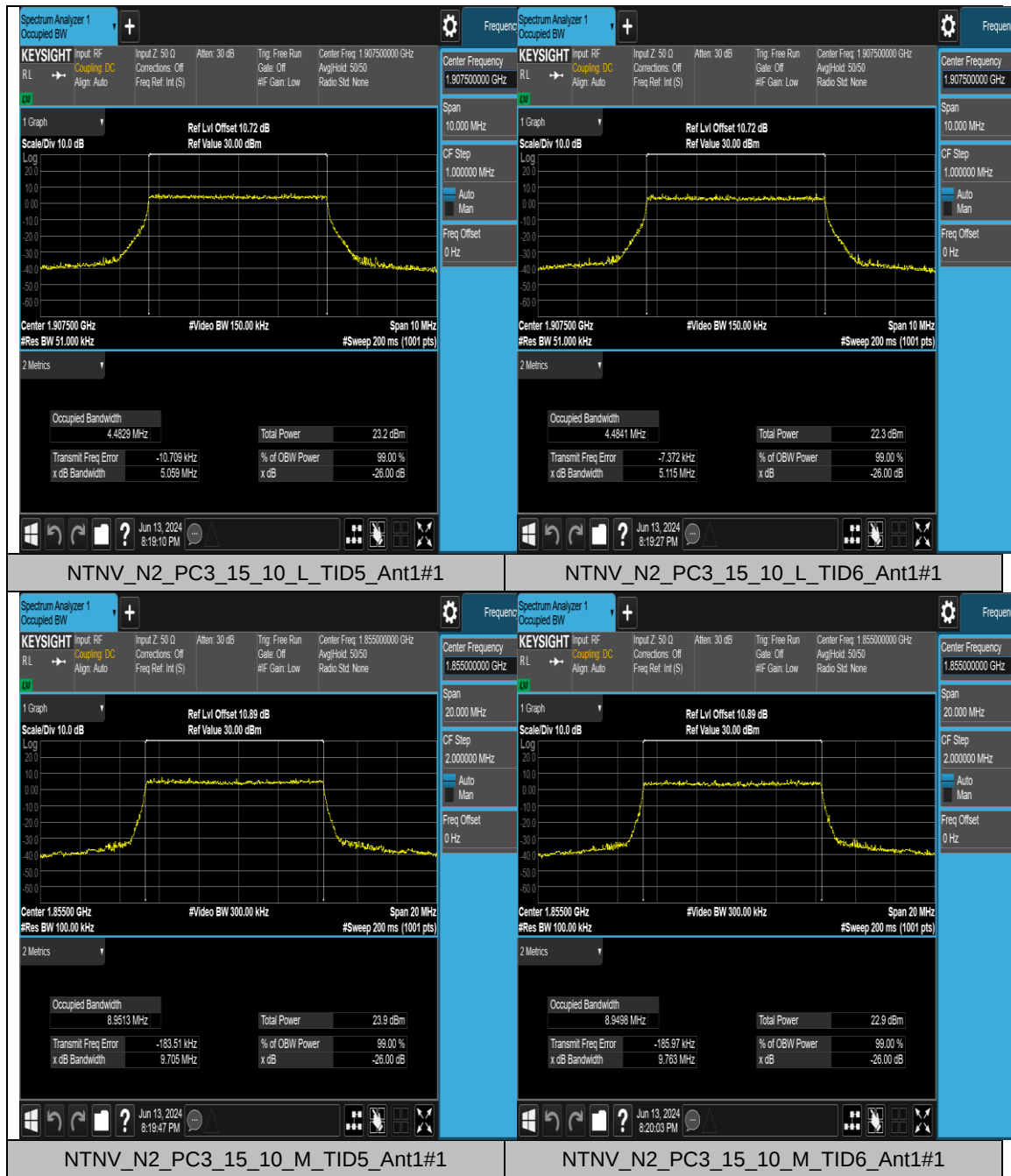
Appendix C: 26dB Bandwidth and Occupied Bandwidth for SA

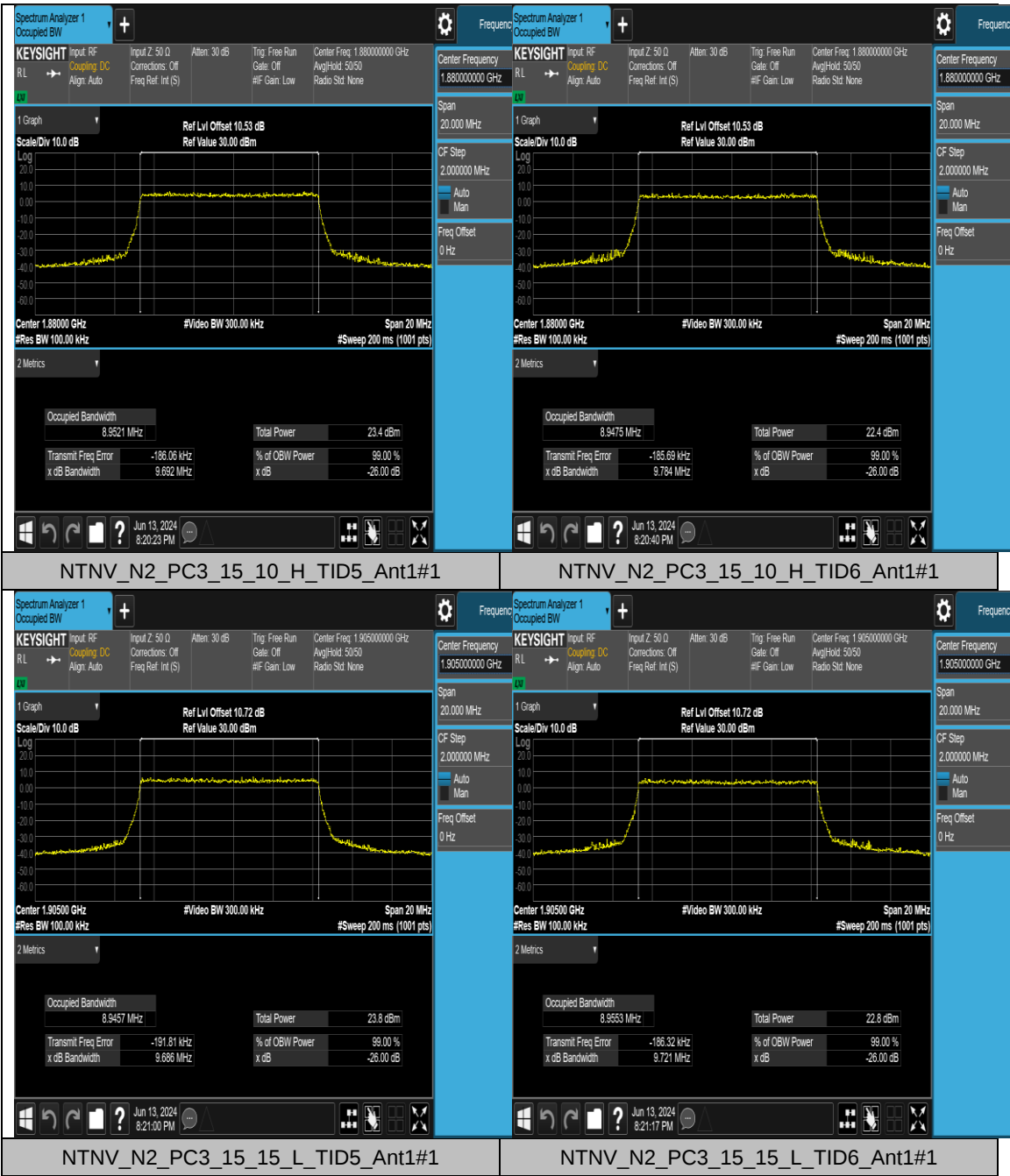
Test Result

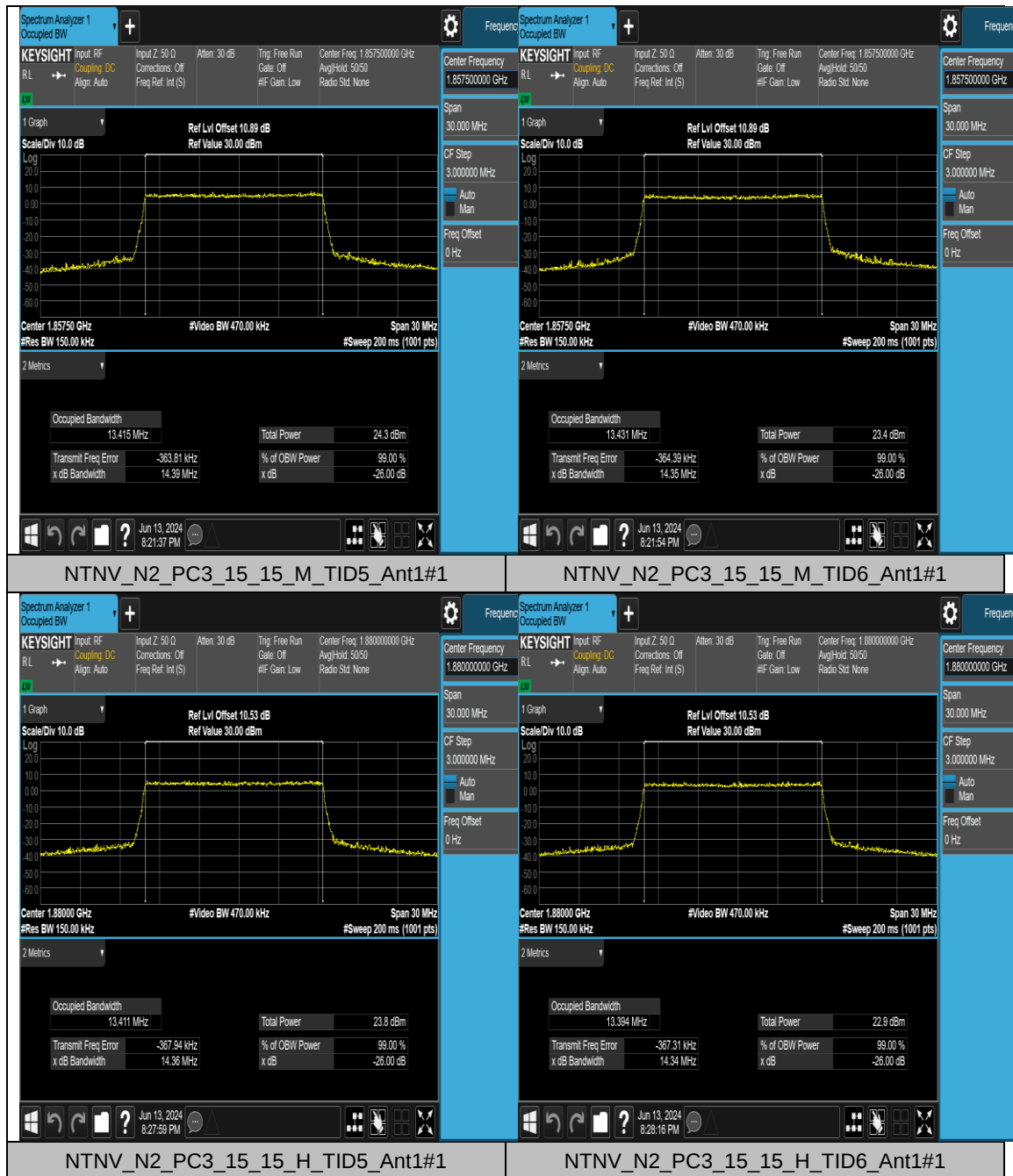
Band	SCS	Bandwidth	Modulation	Channel	RB Config	Result (99%)	Result (26dB)	Verdict
N2	15	5	DFT-QPSK	L	Outer_Full	4.4863	5.123	PASS
N2	15	5	DFT-16QAM	L	Outer_Full	4.4850	5.145	PASS
N2	15	5	DFT-QPSK	M	Outer_Full	4.4829	5.126	PASS
N2	15	5	DFT-16QAM	M	Outer_Full	4.4861	5.172	PASS
N2	15	5	DFT-QPSK	H	Outer_Full	4.4829	5.059	PASS
N2	15	5	DFT-16QAM	H	Outer_Full	4.4841	5.115	PASS
N2	15	10	DFT-QPSK	L	Outer_Full	8.9513	9.705	PASS
N2	15	10	DFT-16QAM	L	Outer_Full	8.9498	9.763	PASS
N2	15	10	DFT-QPSK	M	Outer_Full	8.9521	9.692	PASS
N2	15	10	DFT-16QAM	M	Outer_Full	8.9475	9.784	PASS
N2	15	10	DFT-QPSK	H	Outer_Full	8.9457	9.686	PASS
N2	15	10	DFT-16QAM	H	Outer_Full	8.9553	9.721	PASS
N2	15	15	DFT-QPSK	L	Outer_Full	13.415	14.39	PASS
N2	15	15	DFT-16QAM	L	Outer_Full	13.431	14.35	PASS
N2	15	15	DFT-QPSK	M	Outer_Full	13.411	14.36	PASS
N2	15	15	DFT-16QAM	M	Outer_Full	13.394	14.34	PASS
N2	15	15	DFT-QPSK	H	Outer_Full	13.412	14.40	PASS
N2	15	15	DFT-16QAM	H	Outer_Full	13.396	14.32	PASS
N2	15	20	DFT-QPSK	L	Outer_Full	17.865	18.97	PASS
N2	15	20	DFT-16QAM	L	Outer_Full	17.874	18.83	PASS
N2	15	20	DFT-QPSK	M	Outer_Full	17.862	18.93	PASS
N2	15	20	DFT-16QAM	M	Outer_Full	17.869	18.95	PASS
N2	15	20	DFT-QPSK	H	Outer_Full	17.867	18.95	PASS
N2	15	20	DFT-16QAM	H	Outer_Full	17.868	18.94	PASS

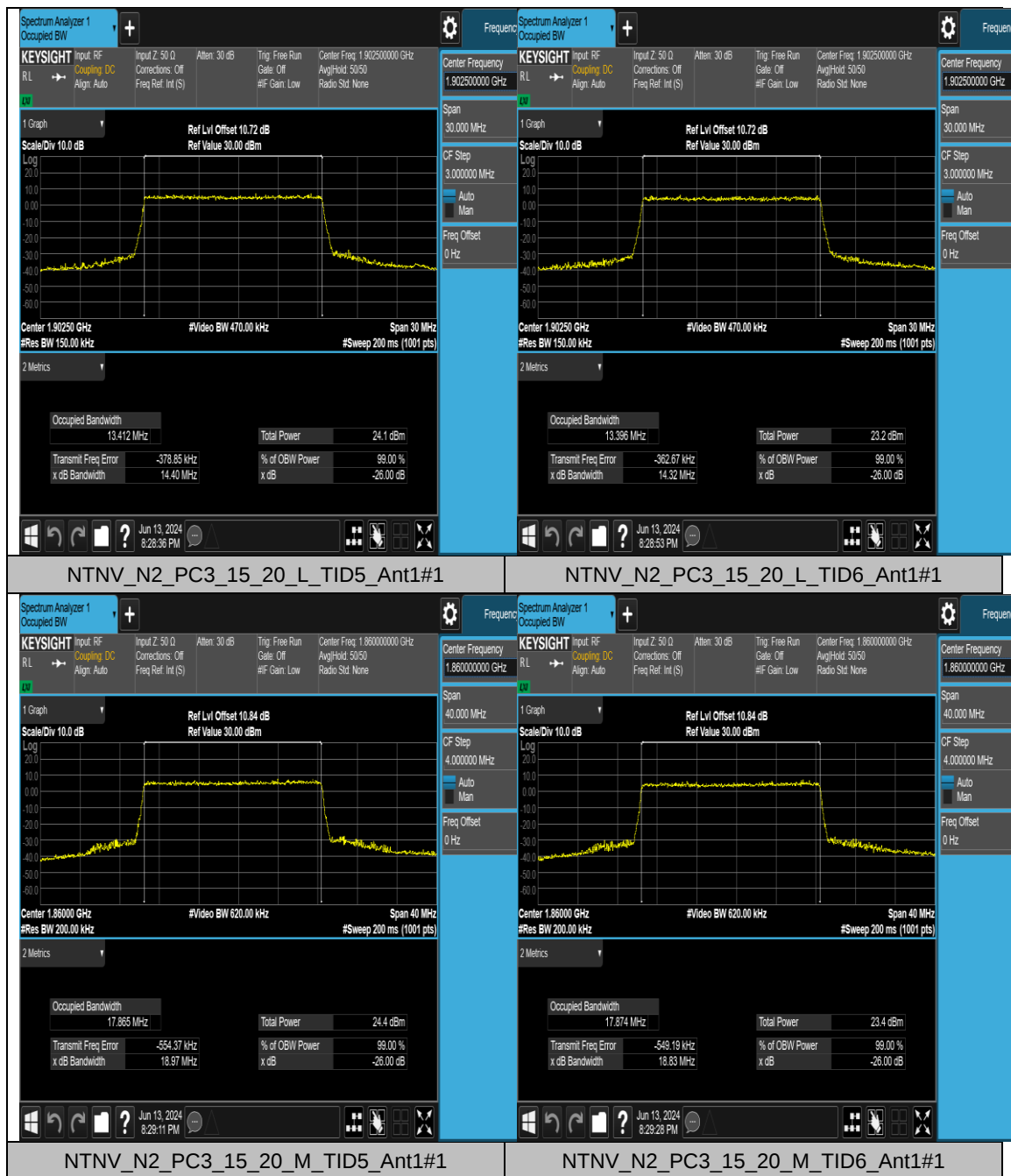
Test Graphs

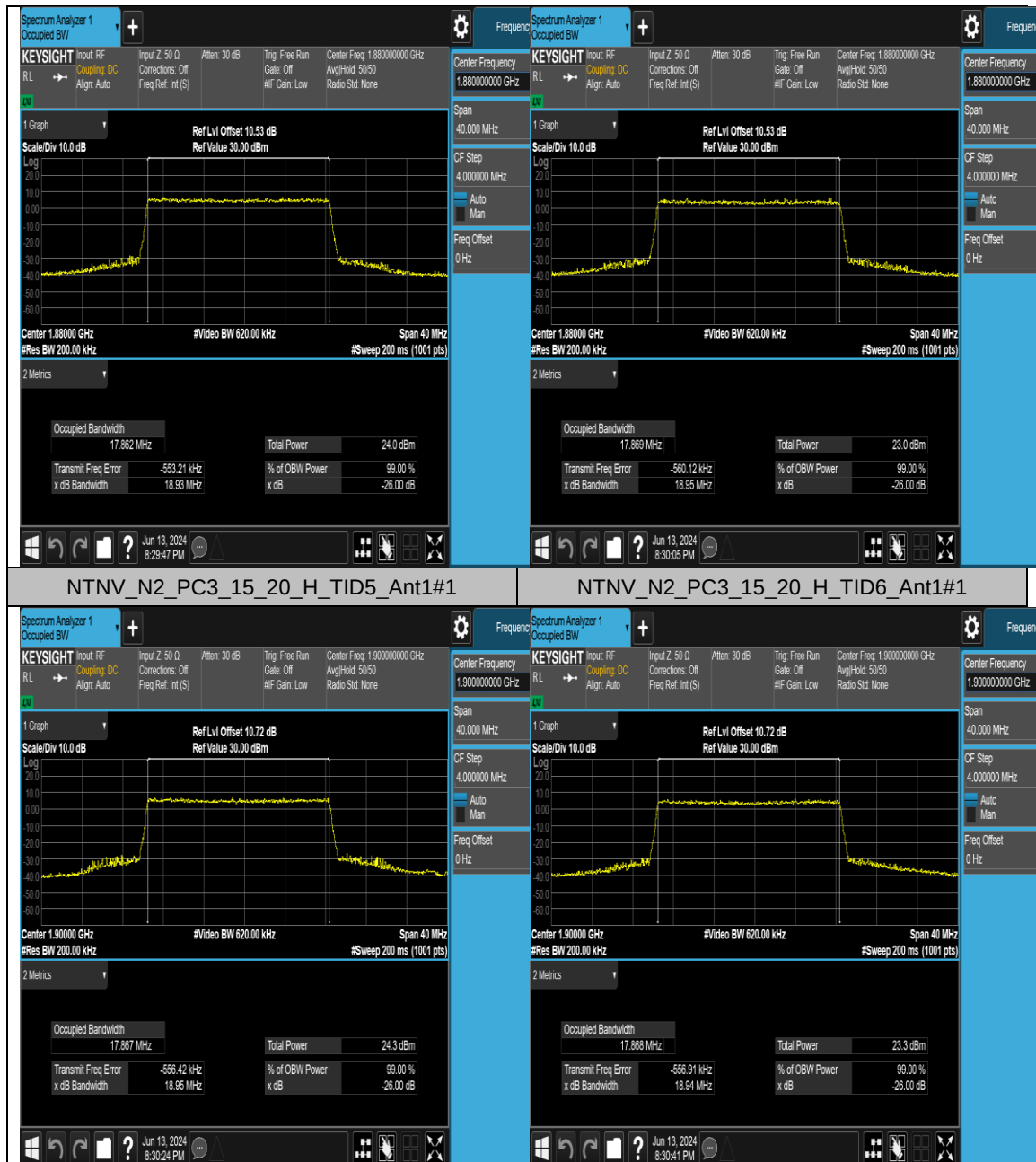












Appendix D: Band Edge for SA

Test Result

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

Test Graphs

