

Appendix for N7

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
N7	15	5	DFT-QPSK	L	Outer_Full	21.45	PC3	PASS
N7	15	5	DFT-QPSK	L	Inner_Full	22.51	PC3	PASS
N7	15	5	DFT-QPSK	L	Edge_1RB_Left	21.43	PC3	PASS
N7	15	5	DFT-QPSK	L	Edge_1RB_Right	21.62	PC3	PASS
N7	15	5	DFT-16QAM	L	Outer_Full	20.44	PC3	PASS
N7	15	5	DFT-16QAM	L	Inner_Full	21.53	PC3	PASS
N7	15	5	DFT-16QAM	L	Edge_1RB_Left	21.00	PC3	PASS
N7	15	5	DFT-16QAM	L	Edge_1RB_Right	21.10	PC3	PASS
N7	15	5	DFT-QPSK	M	Outer_Full	21.90	PC3	PASS
N7	15	5	DFT-QPSK	M	Inner_Full	22.93	PC3	PASS
N7	15	5	DFT-QPSK	M	Edge_1RB_Left	21.75	PC3	PASS
N7	15	5	DFT-QPSK	M	Edge_1RB_Right	22.13	PC3	PASS
N7	15	5	DFT-16QAM	M	Outer_Full	20.74	PC3	PASS
N7	15	5	DFT-16QAM	M	Inner_Full	21.98	PC3	PASS
N7	15	5	DFT-16QAM	M	Edge_1RB_Left	21.06	PC3	PASS
N7	15	5	DFT-16QAM	M	Edge_1RB_Right	20.72	PC3	PASS
N7	15	5	DFT-QPSK	H	Outer_Full	22.00	PC3	PASS
N7	15	5	DFT-QPSK	H	Inner_Full	22.96	PC3	PASS
N7	15	5	DFT-QPSK	H	Edge_1RB_Left	21.80	PC3	PASS
N7	15	5	DFT-QPSK	H	Edge_1RB_Right	21.71	PC3	PASS
N7	15	5	DFT-16QAM	H	Outer_Full	20.97	PC3	PASS
N7	15	5	DFT-16QAM	H	Inner_Full	21.93	PC3	PASS
N7	15	5	DFT-16QAM	H	Edge_1RB_Left	20.68	PC3	PASS
N7	15	5	DFT-16QAM	H	Edge_1RB_Right	20.86	PC3	PASS
N7	15	10	DFT-QPSK	L	Outer_Full	21.54	PC3	PASS
N7	15	10	DFT-QPSK	L	Inner_Full	22.41	PC3	PASS
N7	15	10	DFT-QPSK	L	Edge_1RB_Left	21.51	PC3	PASS
N7	15	10	DFT-QPSK	L	Edge_1RB_Right	21.72	PC3	PASS
N7	15	10	DFT-16QAM	L	Outer_Full	20.51	PC3	PASS
N7	15	10	DFT-16QAM	L	Inner_Full	21.66	PC3	PASS
N7	15	10	DFT-16QAM	L	Edge_1RB_Left	20.30	PC3	PASS
N7	15	10	DFT-16QAM	L	Edge_1RB_Right	20.78	PC3	PASS
N7	15	10	DFT-QPSK	M	Outer_Full	21.96	PC3	PASS
N7	15	10	DFT-QPSK	M	Inner_Full	22.92	PC3	PASS
N7	15	10	DFT-QPSK	M	Edge_1RB_Left	22.04	PC3	PASS

N7	15	10	DFT-QPSK	M	Edge_1RB_Right	21.66	PC3	PASS
N7	15	10	DFT-16QAM	M	Outer_Full	20.96	PC3	PASS
N7	15	10	DFT-16QAM	M	Inner_Full	21.98	PC3	PASS
N7	15	10	DFT-16QAM	M	Edge_1RB_Left	20.54	PC3	PASS
N7	15	10	DFT-16QAM	M	Edge_1RB_Right	21.08	PC3	PASS
N7	15	10	DFT-QPSK	H	Outer_Full	22.04	PC3	PASS
N7	15	10	DFT-QPSK	H	Inner_Full	22.90	PC3	PASS
N7	15	10	DFT-QPSK	H	Edge_1RB_Left	21.67	PC3	PASS
N7	15	10	DFT-QPSK	H	Edge_1RB_Right	21.60	PC3	PASS
N7	15	10	DFT-16QAM	H	Outer_Full	20.93	PC3	PASS
N7	15	10	DFT-16QAM	H	Inner_Full	22.05	PC3	PASS
N7	15	10	DFT-16QAM	H	Edge_1RB_Left	21.12	PC3	PASS
N7	15	10	DFT-16QAM	H	Edge_1RB_Right	20.81	PC3	PASS
N7	15	15	DFT-QPSK	L	Outer_Full	21.69	PC3	PASS
N7	15	15	DFT-QPSK	L	Inner_Full	22.67	PC3	PASS
N7	15	15	DFT-QPSK	L	Edge_1RB_Left	21.86	PC3	PASS
N7	15	15	DFT-QPSK	L	Edge_1RB_Right	21.52	PC3	PASS
N7	15	15	DFT-16QAM	L	Outer_Full	20.66	PC3	PASS
N7	15	15	DFT-16QAM	L	Inner_Full	21.68	PC3	PASS
N7	15	15	DFT-16QAM	L	Edge_1RB_Left	20.67	PC3	PASS
N7	15	15	DFT-16QAM	L	Edge_1RB_Right	20.86	PC3	PASS
N7	15	15	DFT-QPSK	M	Outer_Full	22.06	PC3	PASS
N7	15	15	DFT-QPSK	M	Inner_Full	23.06	PC3	PASS
N7	15	15	DFT-QPSK	M	Edge_1RB_Left	22.07	PC3	PASS
N7	15	15	DFT-QPSK	M	Edge_1RB_Right	21.85	PC3	PASS
N7	15	15	DFT-16QAM	M	Outer_Full	20.99	PC3	PASS
N7	15	15	DFT-16QAM	M	Inner_Full	22.11	PC3	PASS
N7	15	15	DFT-16QAM	M	Edge_1RB_Left	21.34	PC3	PASS
N7	15	15	DFT-16QAM	M	Edge_1RB_Right	21.40	PC3	PASS
N7	15	15	DFT-QPSK	H	Outer_Full	22.02	PC3	PASS
N7	15	15	DFT-QPSK	H	Inner_Full	23.00	PC3	PASS
N7	15	15	DFT-QPSK	H	Edge_1RB_Left	21.99	PC3	PASS
N7	15	15	DFT-QPSK	H	Edge_1RB_Right	22.46	PC3	PASS
N7	15	15	DFT-16QAM	H	Outer_Full	20.97	PC3	PASS
N7	15	15	DFT-16QAM	H	Inner_Full	22.03	PC3	PASS
N7	15	15	DFT-16QAM	H	Edge_1RB_Left	21.40	PC3	PASS
N7	15	15	DFT-16QAM	H	Edge_1RB_Right	21.50	PC3	PASS
N7	15	20	DFT-QPSK	L	Outer_Full	21.67	PC3	PASS
N7	15	20	DFT-QPSK	L	Inner_Full	22.58	PC3	PASS
N7	15	20	DFT-QPSK	L	Edge_1RB_Left	21.69	PC3	PASS
N7	15	20	DFT-QPSK	L	Edge_1RB_Right	21.81	PC3	PASS
N7	15	20	DFT-16QAM	L	Outer_Full	20.61	PC3	PASS

N7	15	20	DFT-16QAM	L	Inner_Full	21.67	PC3	PASS
N7	15	20	DFT-16QAM	L	Edge_1RB_Left	20.71	PC3	PASS
N7	15	20	DFT-16QAM	L	Edge_1RB_Right	21.01	PC3	PASS
N7	15	20	DFT-QPSK	M	Outer_Full	22.04	PC3	PASS
N7	15	20	DFT-QPSK	M	Inner_Full	23.09	PC3	PASS
N7	15	20	DFT-QPSK	M	Edge_1RB_Left	21.89	PC3	PASS
N7	15	20	DFT-QPSK	M	Edge_1RB_Right	22.01	PC3	PASS
N7	15	20	DFT-16QAM	M	Outer_Full	20.94	PC3	PASS
N7	15	20	DFT-16QAM	M	Inner_Full	22.14	PC3	PASS
N7	15	20	DFT-16QAM	M	Edge_1RB_Left	20.96	PC3	PASS
N7	15	20	DFT-16QAM	M	Edge_1RB_Right	20.79	PC3	PASS
N7	15	20	DFT-QPSK	H	Outer_Full	22.05	PC3	PASS
N7	15	20	DFT-QPSK	H	Inner_Full	23.08	PC3	PASS
N7	15	20	DFT-QPSK	H	Edge_1RB_Left	22.05	PC3	PASS
N7	15	20	DFT-QPSK	H	Edge_1RB_Right	22.09	PC3	PASS
N7	15	20	DFT-16QAM	H	Outer_Full	21.11	PC3	PASS
N7	15	20	DFT-16QAM	H	Inner_Full	22.09	PC3	PASS
N7	15	20	DFT-16QAM	H	Edge_1RB_Left	20.84	PC3	PASS
N7	15	20	DFT-16QAM	H	Edge_1RB_Right	21.04	PC3	PASS

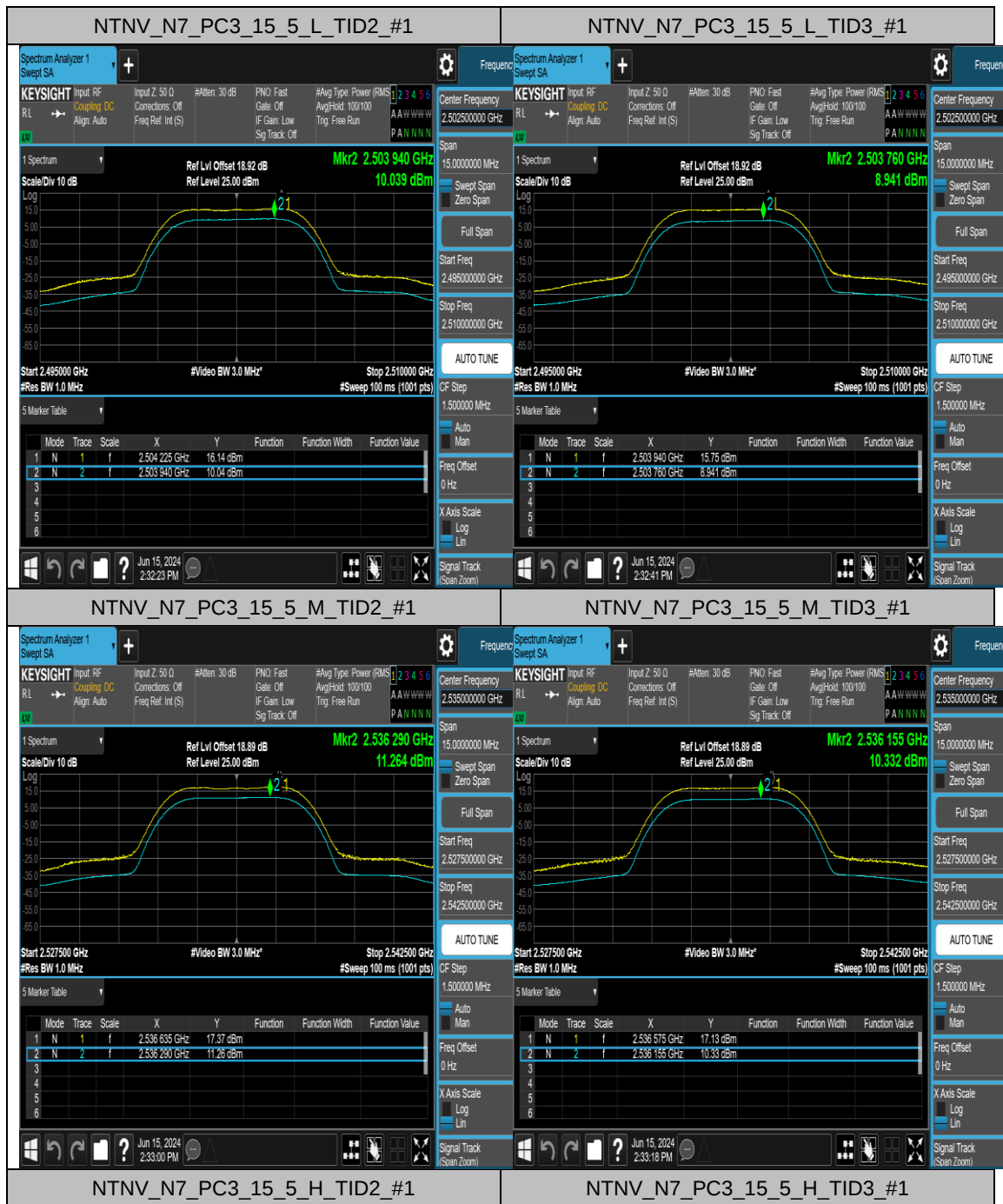
Appendix B: Peak-to-Average Ratio for SA

Peak-to-Average Ratio(PAPR)

Test Result

Band	SCS	Bandwidth	Modulation	Channel	RB Config	DutyCycle	Factor	Result	Limit	Verdict
N7	15	5	DFT-QPSK	L	Outer_Full	100%	0.00	6.10	≤13	PASS
N7	15	5	DFT-16QAM	L	Outer_Full	100%	0.00	6.81	≤13	PASS
N7	15	5	DFT-QPSK	M	Outer_Full	100%	0.00	6.11	≤13	PASS
N7	15	5	DFT-16QAM	M	Outer_Full	100%	0.00	6.80	≤13	PASS
N7	15	5	DFT-QPSK	H	Outer_Full	100%	0.00	6.02	≤13	PASS
N7	15	5	DFT-16QAM	H	Outer_Full	100%	0.00	6.72	≤13	PASS
N7	15	10	DFT-QPSK	L	Outer_Full	100%	0.00	7.16	≤13	PASS
N7	15	10	DFT-16QAM	L	Outer_Full	100%	0.00	7.41	≤13	PASS
N7	15	10	DFT-QPSK	M	Outer_Full	100%	0.00	6.74	≤13	PASS
N7	15	10	DFT-16QAM	M	Outer_Full	100%	0.00	7.42	≤13	PASS
N7	15	10	DFT-QPSK	H	Outer_Full	100%	0.00	7.04	≤13	PASS
N7	15	10	DFT-16QAM	H	Outer_Full	100%	0.00	7.41	≤13	PASS
N7	15	15	DFT-QPSK	L	Outer_Full	100%	0.00	7.39	≤13	PASS
N7	15	15	DFT-16QAM	L	Outer_Full	100%	0.00	7.67	≤13	PASS
N7	15	15	DFT-QPSK	M	Outer_Full	100%	0.00	7.40	≤13	PASS
N7	15	15	DFT-16QAM	M	Outer_Full	100%	0.00	7.53	≤13	PASS
N7	15	15	DFT-QPSK	H	Outer_Full	100%	0.00	7.39	≤13	PASS
N7	15	15	DFT-16QAM	H	Outer_Full	100%	0.00	7.52	≤13	PASS
N7	15	20	DFT-QPSK	L	Outer_Full	100%	0.00	7.55	≤13	PASS
N7	15	20	DFT-16QAM	L	Outer_Full	100%	0.00	7.68	≤13	PASS
N7	15	20	DFT-QPSK	M	Outer_Full	100%	0.00	7.54	≤13	PASS
N7	15	20	DFT-16QAM	M	Outer_Full	100%	0.00	7.65	≤13	PASS
N7	15	20	DFT-QPSK	H	Outer_Full	100%	0.00	7.50	≤13	PASS
N7	15	20	DFT-16QAM	H	Outer_Full	100%	0.00	7.80	≤13	PASS

Test Graphs

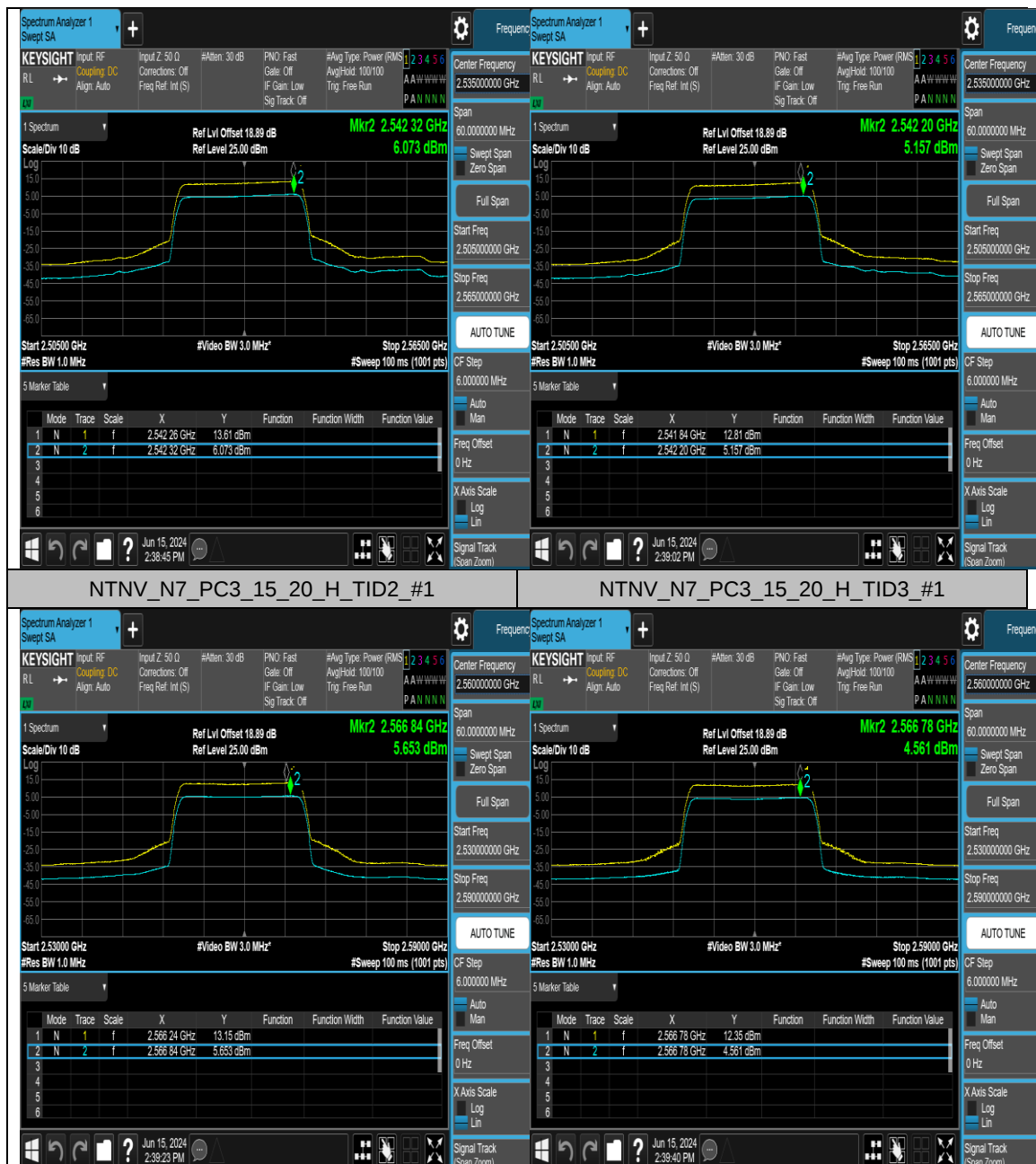










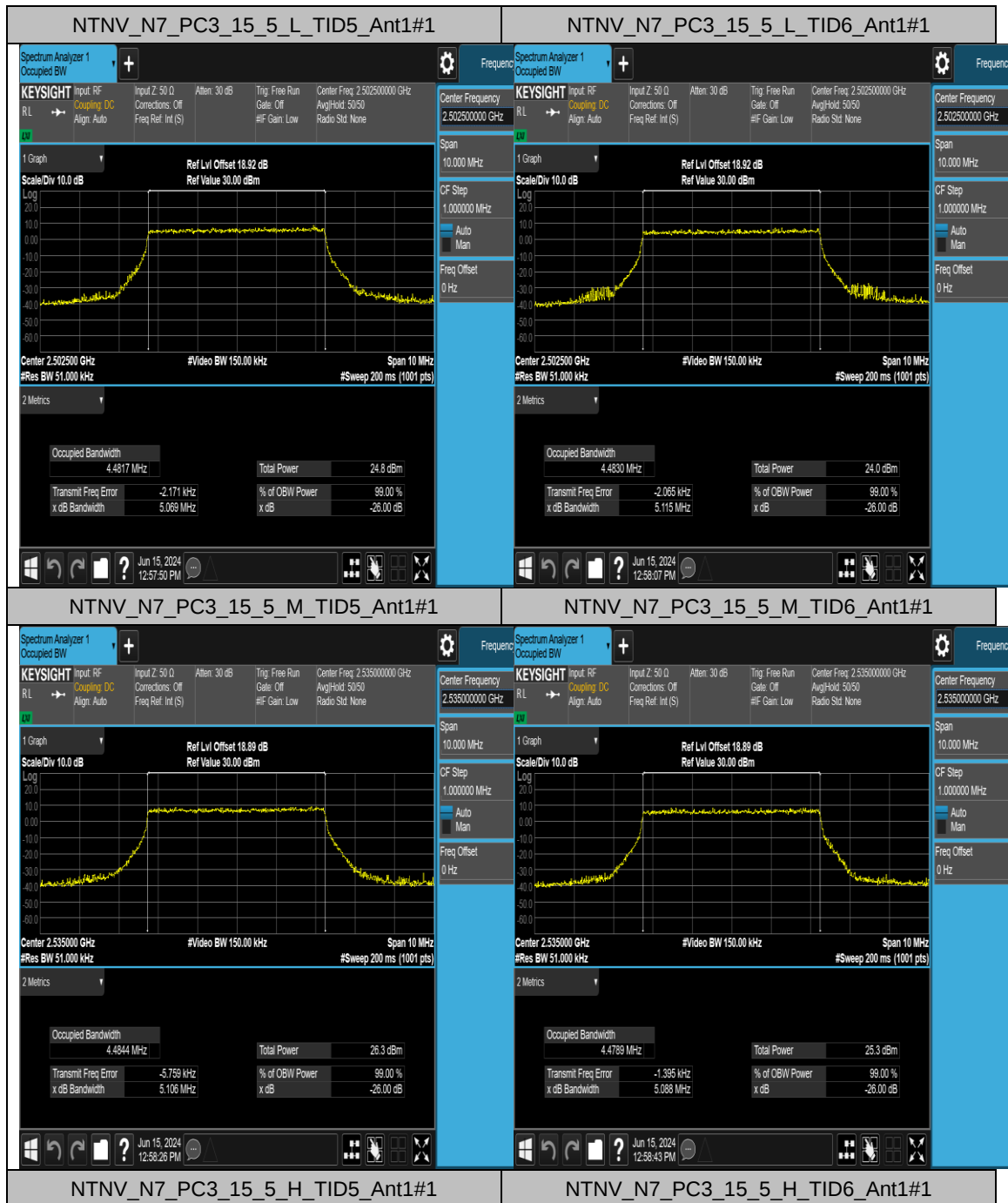


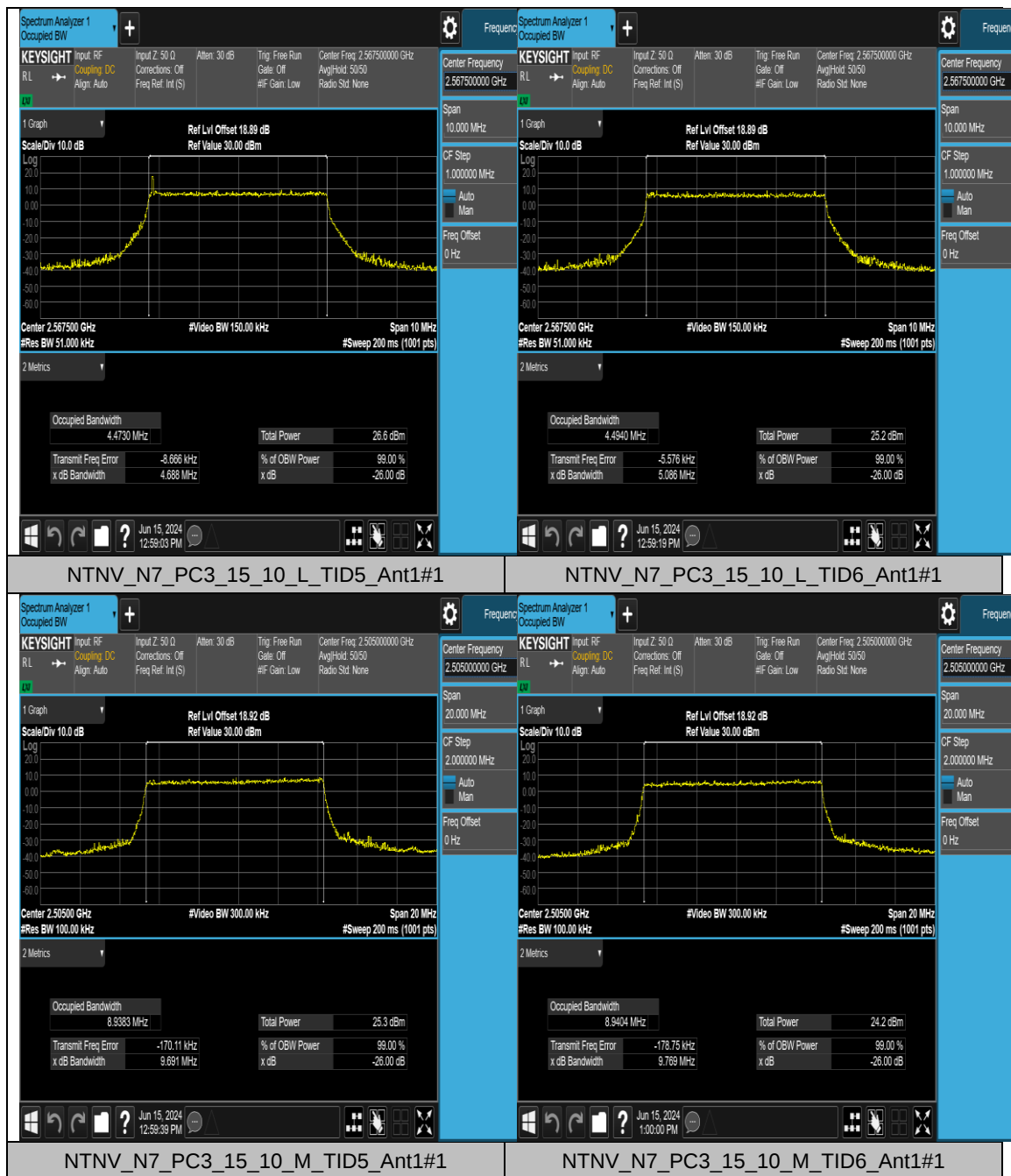
Appendix C: 26dB Bandwidth and Occupied Bandwidth for SA

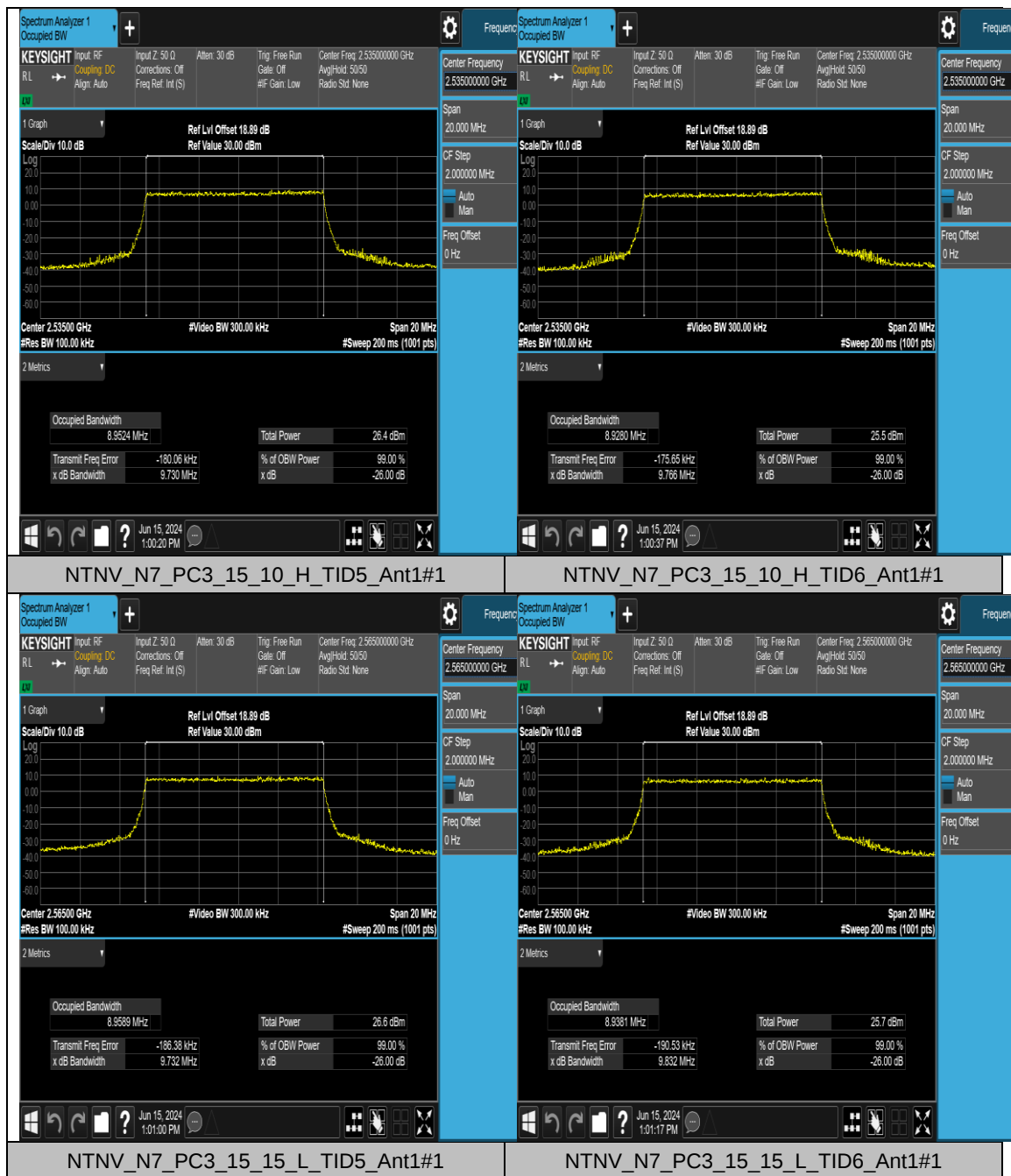
Test Result

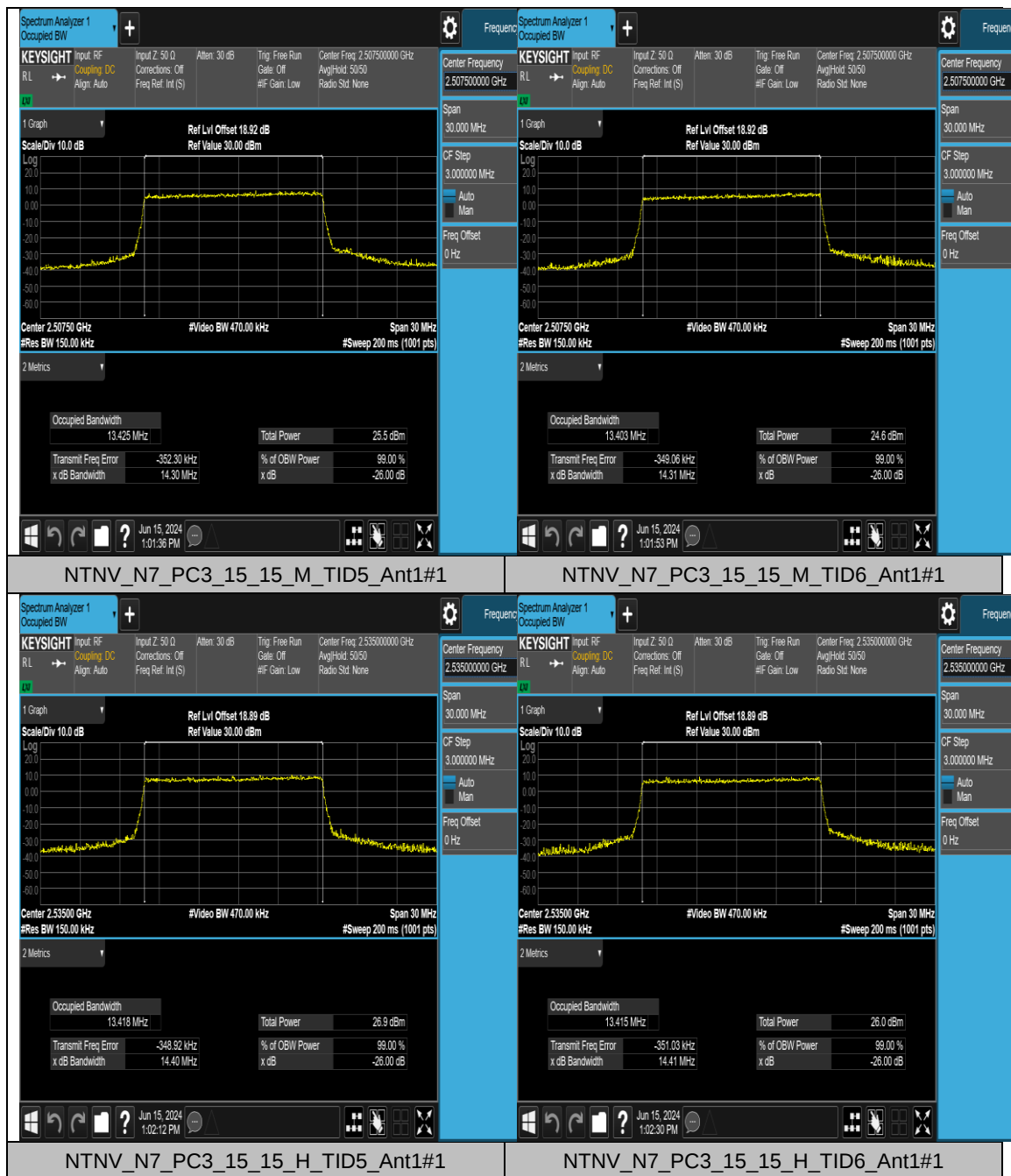
Band	SCS	Bandwidth	Modulation	Channel	RB Config	Result (99%)	Result (26dB)	Verdict
N7	15	5	DFT-QPSK	L	Outer_Full	4.4817	5.069	PASS
N7	15	5	DFT-16QAM	L	Outer_Full	4.4830	5.115	PASS
N7	15	5	DFT-QPSK	M	Outer_Full	4.4844	5.106	PASS
N7	15	5	DFT-16QAM	M	Outer_Full	4.4789	5.088	PASS
N7	15	5	DFT-QPSK	H	Outer_Full	4.4730	4.688	PASS
N7	15	5	DFT-16QAM	H	Outer_Full	4.4940	5.086	PASS
N7	15	10	DFT-QPSK	L	Outer_Full	8.9383	9.691	PASS
N7	15	10	DFT-16QAM	L	Outer_Full	8.9404	9.769	PASS
N7	15	10	DFT-QPSK	M	Outer_Full	8.9524	9.730	PASS
N7	15	10	DFT-16QAM	M	Outer_Full	8.9280	9.766	PASS
N7	15	10	DFT-QPSK	H	Outer_Full	8.9589	9.732	PASS
N7	15	10	DFT-16QAM	H	Outer_Full	8.9381	9.832	PASS
N7	15	15	DFT-QPSK	L	Outer_Full	13.425	14.30	PASS
N7	15	15	DFT-16QAM	L	Outer_Full	13.403	14.31	PASS
N7	15	15	DFT-QPSK	M	Outer_Full	13.418	14.40	PASS
N7	15	15	DFT-16QAM	M	Outer_Full	13.415	14.41	PASS
N7	15	15	DFT-QPSK	H	Outer_Full	13.408	14.36	PASS
N7	15	15	DFT-16QAM	H	Outer_Full	13.415	14.32	PASS
N7	15	20	DFT-QPSK	L	Outer_Full	17.851	18.90	PASS
N7	15	20	DFT-16QAM	L	Outer_Full	17.852	18.86	PASS
N7	15	20	DFT-QPSK	M	Outer_Full	17.855	18.92	PASS
N7	15	20	DFT-16QAM	M	Outer_Full	17.860	18.92	PASS
N7	15	20	DFT-QPSK	H	Outer_Full	17.878	18.93	PASS
N7	15	20	DFT-16QAM	H	Outer_Full	17.864	18.89	PASS

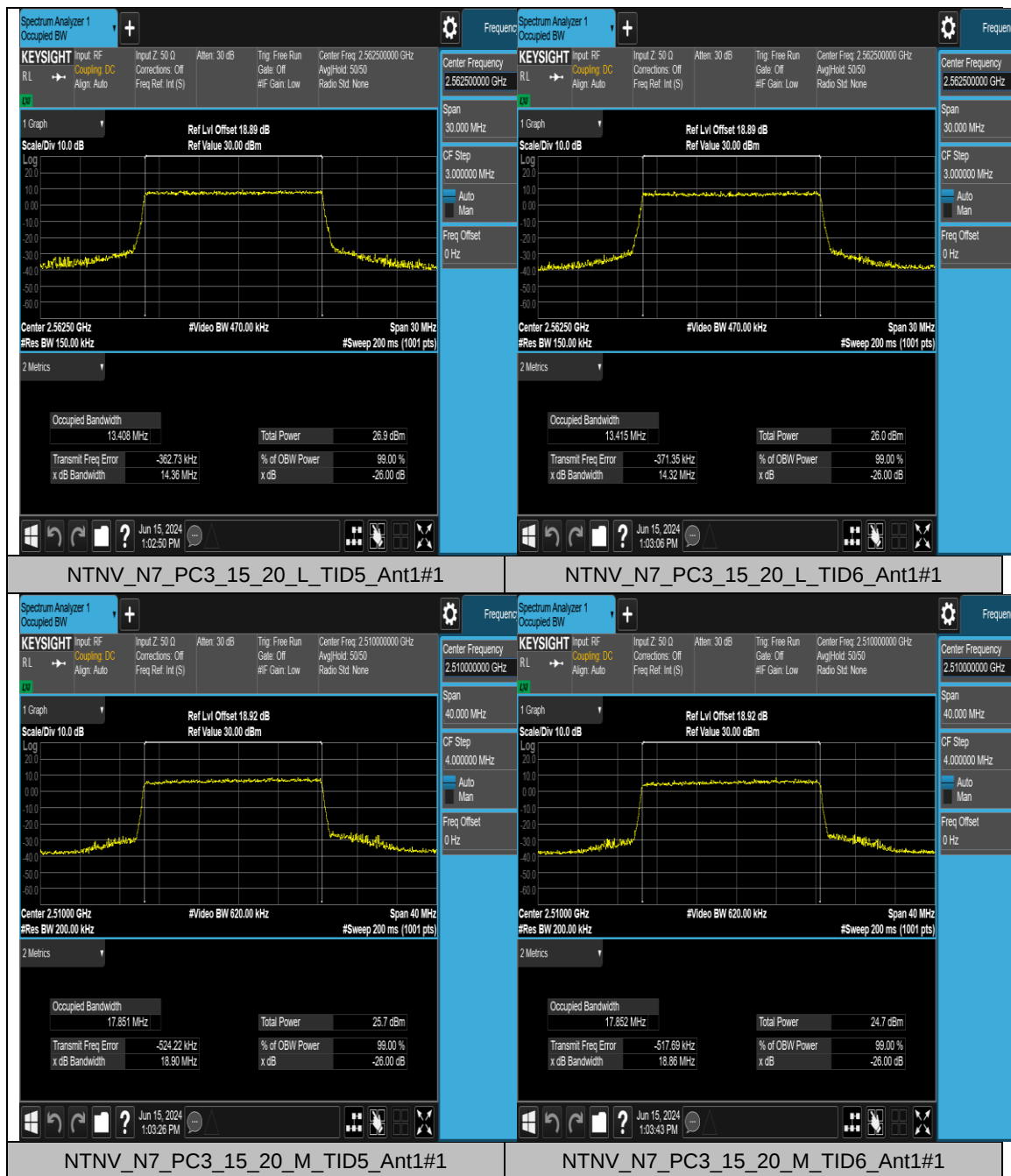
Test Graphs

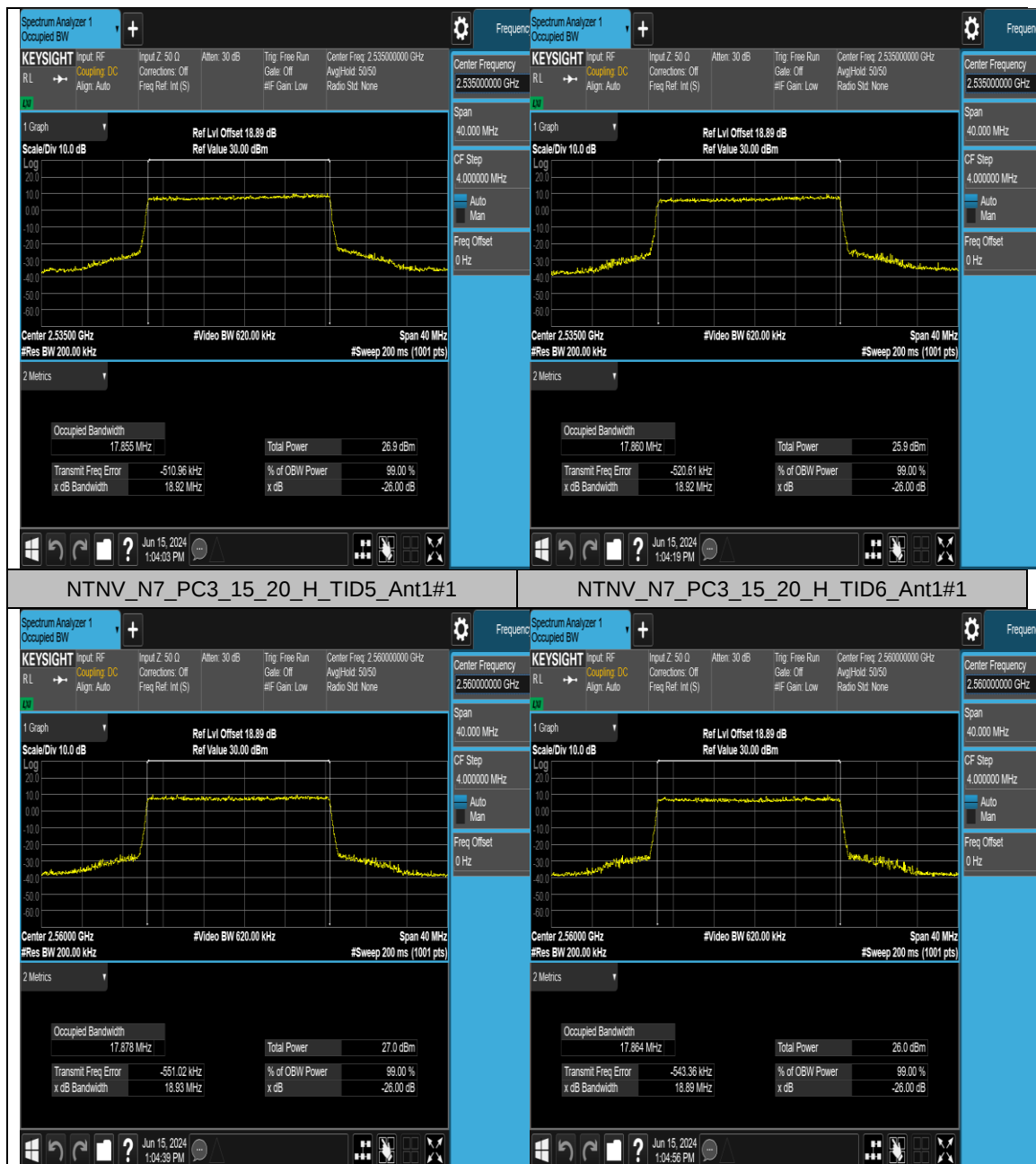












Appendix D: Band Edge for SA

Test Result

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

Test Graphs

