

Appendix for N71

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
N71	15	5	DFT-QPSK	L	Outer_Full	22.38	PC3	PASS
N71	15	5	DFT-QPSK	L	Inner_Full	23.37	PC3	PASS
N71	15	5	DFT-QPSK	L	Edge_1RB_Left	22.39	PC3	PASS
N71	15	5	DFT-QPSK	L	Edge_1RB_Right	22.19	PC3	PASS
N71	15	5	DFT-16QAM	L	Outer_Full	21.30	PC3	PASS
N71	15	5	DFT-16QAM	L	Inner_Full	22.39	PC3	PASS
N71	15	5	DFT-16QAM	L	Edge_1RB_Left	21.47	PC3	PASS
N71	15	5	DFT-16QAM	L	Edge_1RB_Right	21.55	PC3	PASS
N71	15	5	DFT-QPSK	M	Outer_Full	22.45	PC3	PASS
N71	15	5	DFT-QPSK	M	Inner_Full	23.45	PC3	PASS
N71	15	5	DFT-QPSK	M	Edge_1RB_Left	22.50	PC3	PASS
N71	15	5	DFT-QPSK	M	Edge_1RB_Right	22.43	PC3	PASS
N71	15	5	DFT-16QAM	M	Outer_Full	21.49	PC3	PASS
N71	15	5	DFT-16QAM	M	Inner_Full	22.42	PC3	PASS
N71	15	5	DFT-16QAM	M	Edge_1RB_Left	21.73	PC3	PASS
N71	15	5	DFT-16QAM	M	Edge_1RB_Right	21.13	PC3	PASS
N71	15	5	DFT-QPSK	H	Outer_Full	22.15	PC3	PASS
N71	15	5	DFT-QPSK	H	Inner_Full	23.05	PC3	PASS
N71	15	5	DFT-QPSK	H	Edge_1RB_Left	21.88	PC3	PASS
N71	15	5	DFT-QPSK	H	Edge_1RB_Right	21.92	PC3	PASS
N71	15	5	DFT-16QAM	H	Outer_Full	21.03	PC3	PASS
N71	15	5	DFT-16QAM	H	Inner_Full	22.05	PC3	PASS
N71	15	5	DFT-16QAM	H	Edge_1RB_Left	20.80	PC3	PASS
N71	15	5	DFT-16QAM	H	Edge_1RB_Right	20.55	PC3	PASS
N71	15	10	DFT-QPSK	L	Outer_Full	22.17	PC3	PASS
N71	15	10	DFT-QPSK	L	Inner_Full	23.30	PC3	PASS
N71	15	10	DFT-QPSK	L	Edge_1RB_Left	22.65	PC3	PASS
N71	15	10	DFT-QPSK	L	Edge_1RB_Right	22.30	PC3	PASS
N71	15	10	DFT-16QAM	L	Outer_Full	21.28	PC3	PASS
N71	15	10	DFT-16QAM	L	Inner_Full	22.20	PC3	PASS
N71	15	10	DFT-16QAM	L	Edge_1RB_Left	21.56	PC3	PASS
N71	15	10	DFT-16QAM	L	Edge_1RB_Right	20.93	PC3	PASS
N71	15	10	DFT-QPSK	M	Outer_Full	22.43	PC3	PASS
N71	15	10	DFT-QPSK	M	Inner_Full	23.51	PC3	PASS
N71	15	10	DFT-QPSK	M	Edge_1RB_Left	22.64	PC3	PASS
N71	15	10	DFT-QPSK	M	Edge_1RB_Right	22.05	PC3	PASS

N71	15	10	DFT-16QAM	M	Outer_Full	21.44	PC3	PASS
N71	15	10	DFT-16QAM	M	Inner_Full	22.53	PC3	PASS
N71	15	10	DFT-16QAM	M	Edge_1RB_Left	21.51	PC3	PASS
N71	15	10	DFT-16QAM	M	Edge_1RB_Right	21.38	PC3	PASS
N71	15	10	DFT-QPSK	H	Outer_Full	22.11	PC3	PASS
N71	15	10	DFT-QPSK	H	Inner_Full	23.17	PC3	PASS
N71	15	10	DFT-QPSK	H	Edge_1RB_Left	22.06	PC3	PASS
N71	15	10	DFT-QPSK	H	Edge_1RB_Right	21.84	PC3	PASS
N71	15	10	DFT-16QAM	H	Outer_Full	21.14	PC3	PASS
N71	15	10	DFT-16QAM	H	Inner_Full	22.17	PC3	PASS
N71	15	10	DFT-16QAM	H	Edge_1RB_Left	20.47	PC3	PASS
N71	15	10	DFT-16QAM	H	Edge_1RB_Right	20.61	PC3	PASS
N71	15	15	DFT-QPSK	L	Outer_Full	22.29	PC3	PASS
N71	15	15	DFT-QPSK	L	Inner_Full	23.26	PC3	PASS
N71	15	15	DFT-QPSK	L	Edge_1RB_Left	22.44	PC3	PASS
N71	15	15	DFT-QPSK	L	Edge_1RB_Right	22.67	PC3	PASS
N71	15	15	DFT-16QAM	L	Outer_Full	21.34	PC3	PASS
N71	15	15	DFT-16QAM	L	Inner_Full	22.22	PC3	PASS
N71	15	15	DFT-16QAM	L	Edge_1RB_Left	21.84	PC3	PASS
N71	15	15	DFT-16QAM	L	Edge_1RB_Right	21.73	PC3	PASS
N71	15	15	DFT-QPSK	M	Outer_Full	22.65	PC3	PASS
N71	15	15	DFT-QPSK	M	Inner_Full	23.59	PC3	PASS
N71	15	15	DFT-QPSK	M	Edge_1RB_Left	23.00	PC3	PASS
N71	15	15	DFT-QPSK	M	Edge_1RB_Right	22.27	PC3	PASS
N71	15	15	DFT-16QAM	M	Outer_Full	21.56	PC3	PASS
N71	15	15	DFT-16QAM	M	Inner_Full	22.57	PC3	PASS
N71	15	15	DFT-16QAM	M	Edge_1RB_Left	21.82	PC3	PASS
N71	15	15	DFT-16QAM	M	Edge_1RB_Right	21.49	PC3	PASS
N71	15	15	DFT-QPSK	H	Outer_Full	22.24	PC3	PASS
N71	15	15	DFT-QPSK	H	Inner_Full	23.19	PC3	PASS
N71	15	15	DFT-QPSK	H	Edge_1RB_Left	22.83	PC3	PASS
N71	15	15	DFT-QPSK	H	Edge_1RB_Right	22.33	PC3	PASS
N71	15	15	DFT-16QAM	H	Outer_Full	21.26	PC3	PASS
N71	15	15	DFT-16QAM	H	Inner_Full	22.29	PC3	PASS
N71	15	15	DFT-16QAM	H	Edge_1RB_Left	21.49	PC3	PASS
N71	15	15	DFT-16QAM	H	Edge_1RB_Right	21.55	PC3	PASS
N71	15	20	DFT-QPSK	L	Outer_Full	22.33	PC3	PASS
N71	15	20	DFT-QPSK	L	Inner_Full	23.32	PC3	PASS
N71	15	20	DFT-QPSK	L	Edge_1RB_Left	22.73	PC3	PASS
N71	15	20	DFT-QPSK	L	Edge_1RB_Right	22.68	PC3	PASS
N71	15	20	DFT-16QAM	L	Outer_Full	21.65	PC3	PASS
N71	15	20	DFT-16QAM	L	Inner_Full	22.28	PC3	PASS

N71	15	20	DFT-16QAM	L	Edge_1RB_Left	21.56	PC3	PASS
N71	15	20	DFT-16QAM	L	Edge_1RB_Right	21.46	PC3	PASS
N71	15	20	DFT-QPSK	M	Outer_Full	22.65	PC3	PASS
N71	15	20	DFT-QPSK	M	Inner_Full	23.53	PC3	PASS
N71	15	20	DFT-QPSK	M	Edge_1RB_Left	22.75	PC3	PASS
N71	15	20	DFT-QPSK	M	Edge_1RB_Right	21.91	PC3	PASS
N71	15	20	DFT-16QAM	M	Outer_Full	21.45	PC3	PASS
N71	15	20	DFT-16QAM	M	Inner_Full	22.47	PC3	PASS
N71	15	20	DFT-16QAM	M	Edge_1RB_Left	21.77	PC3	PASS
N71	15	20	DFT-16QAM	M	Edge_1RB_Right	21.45	PC3	PASS
N71	15	20	DFT-QPSK	H	Outer_Full	22.24	PC3	PASS
N71	15	20	DFT-QPSK	H	Inner_Full	23.30	PC3	PASS
N71	15	20	DFT-QPSK	H	Edge_1RB_Left	22.72	PC3	PASS
N71	15	20	DFT-QPSK	H	Edge_1RB_Right	21.86	PC3	PASS
N71	15	20	DFT-16QAM	H	Outer_Full	21.53	PC3	PASS
N71	15	20	DFT-16QAM	H	Inner_Full	22.23	PC3	PASS
N71	15	20	DFT-16QAM	H	Edge_1RB_Left	21.46	PC3	PASS
N71	15	20	DFT-16QAM	H	Edge_1RB_Right	21.03	PC3	PASS

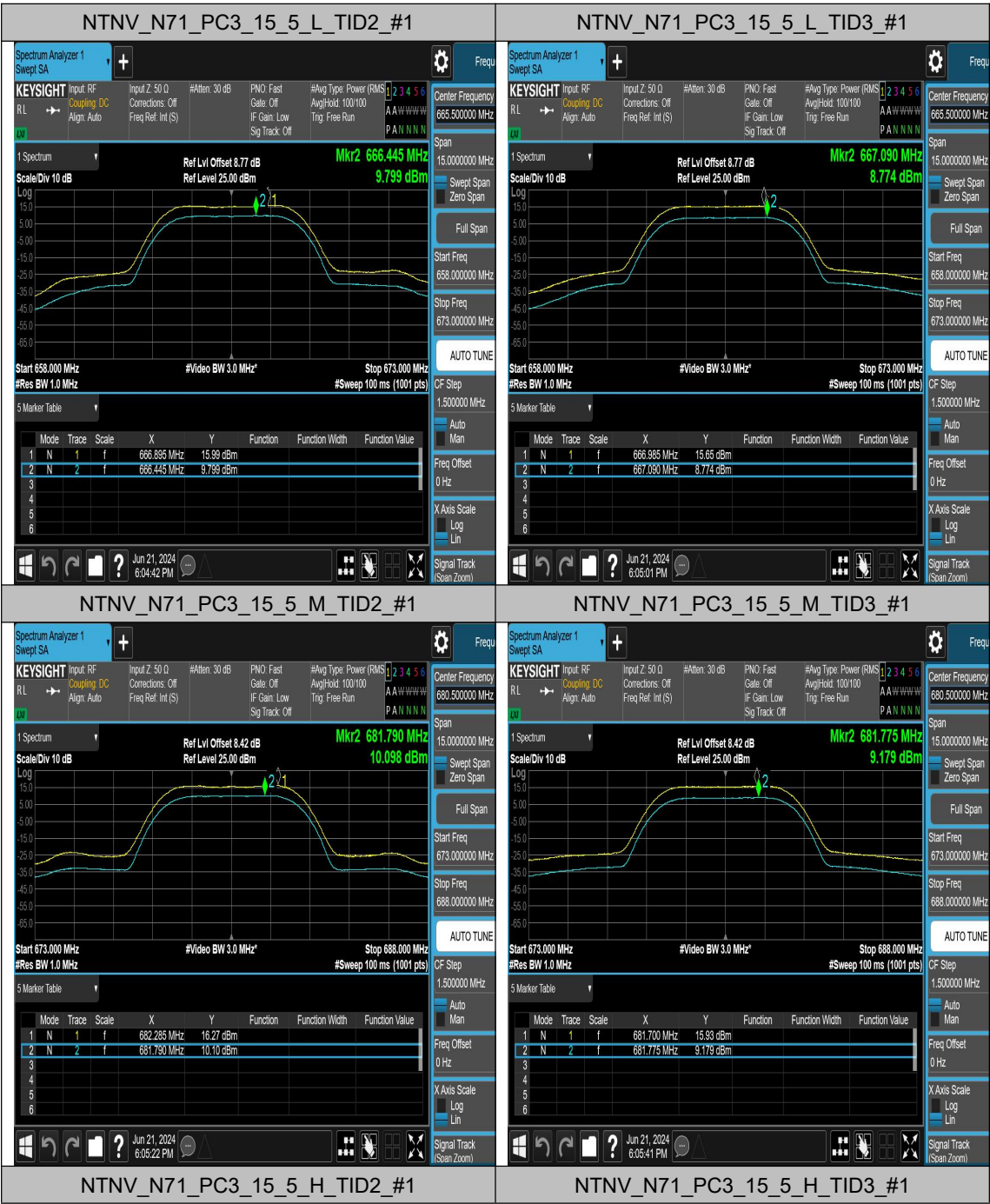
Appendix B: Peak-to-Average Ratio for SA

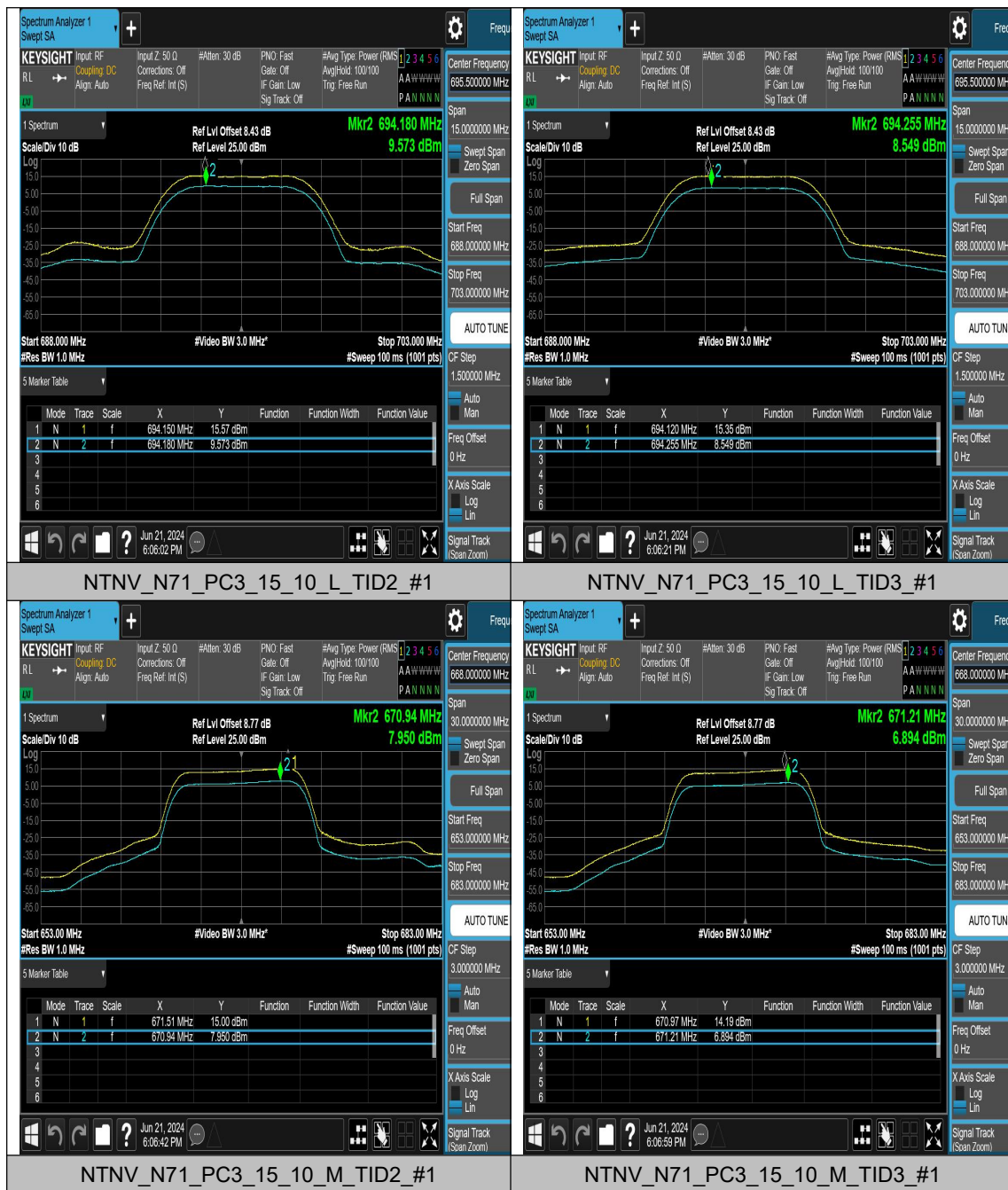
Peak-to-Average Ratio(PAPR)

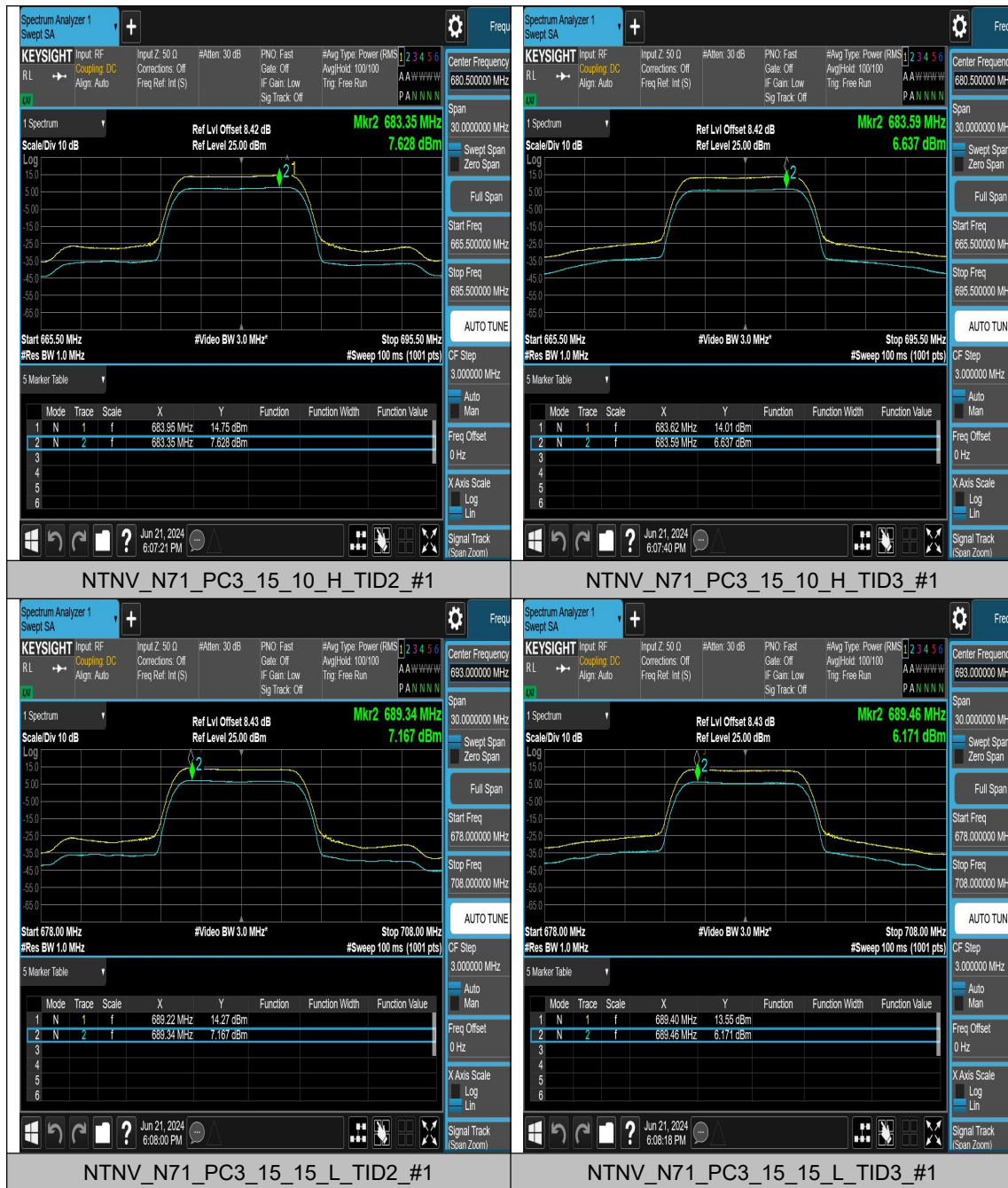
Test Result

Band	SCS	Bandwidth	Modulation	Channel	RB Config	DutyCycle	Factor	Result	Limit	Verdict
N71	15	5	DFT-QPSK	L	Outer_Full	100%	0.00	6.19	≤13	PASS
N71	15	5	DFT-16QAM	L	Outer_Full	100%	0.00	6.88	≤13	PASS
N71	15	5	DFT-QPSK	M	Outer_Full	100%	0.00	6.17	≤13	PASS
N71	15	5	DFT-16QAM	M	Outer_Full	100%	0.00	6.75	≤13	PASS
N71	15	5	DFT-QPSK	H	Outer_Full	100%	0.00	6.00	≤13	PASS
N71	15	5	DFT-16QAM	H	Outer_Full	100%	0.00	6.80	≤13	PASS
N71	15	10	DFT-QPSK	L	Outer_Full	100%	0.00	7.05	≤13	PASS
N71	15	10	DFT-16QAM	L	Outer_Full	100%	0.00	7.30	≤13	PASS
N71	15	10	DFT-QPSK	M	Outer_Full	100%	0.00	7.12	≤13	PASS
N71	15	10	DFT-16QAM	M	Outer_Full	100%	0.00	7.37	≤13	PASS
N71	15	10	DFT-QPSK	H	Outer_Full	100%	0.00	7.11	≤13	PASS
N71	15	10	DFT-16QAM	H	Outer_Full	100%	0.00	7.38	≤13	PASS
N71	15	15	DFT-QPSK	L	Outer_Full	100%	0.00	7.33	≤13	PASS
N71	15	15	DFT-16QAM	L	Outer_Full	100%	0.00	7.67	≤13	PASS
N71	15	15	DFT-QPSK	M	Outer_Full	100%	0.00	7.28	≤13	PASS
N71	15	15	DFT-16QAM	M	Outer_Full	100%	0.00	7.55	≤13	PASS
N71	15	15	DFT-QPSK	H	Outer_Full	100%	0.00	7.32	≤13	PASS
N71	15	15	DFT-16QAM	H	Outer_Full	100%	0.00	7.59	≤13	PASS
N71	15	20	DFT-QPSK	L	Outer_Full	100%	0.00	7.48	≤13	PASS
N71	15	20	DFT-16QAM	L	Outer_Full	100%	0.00	7.61	≤13	PASS
N71	15	20	DFT-QPSK	M	Outer_Full	100%	0.00	7.47	≤13	PASS
N71	15	20	DFT-16QAM	M	Outer_Full	100%	0.00	7.58	≤13	PASS
N71	15	20	DFT-QPSK	H	Outer_Full	100%	0.00	7.60	≤13	PASS
N71	15	20	DFT-16QAM	H	Outer_Full	100%	0.00	7.65	≤13	PASS

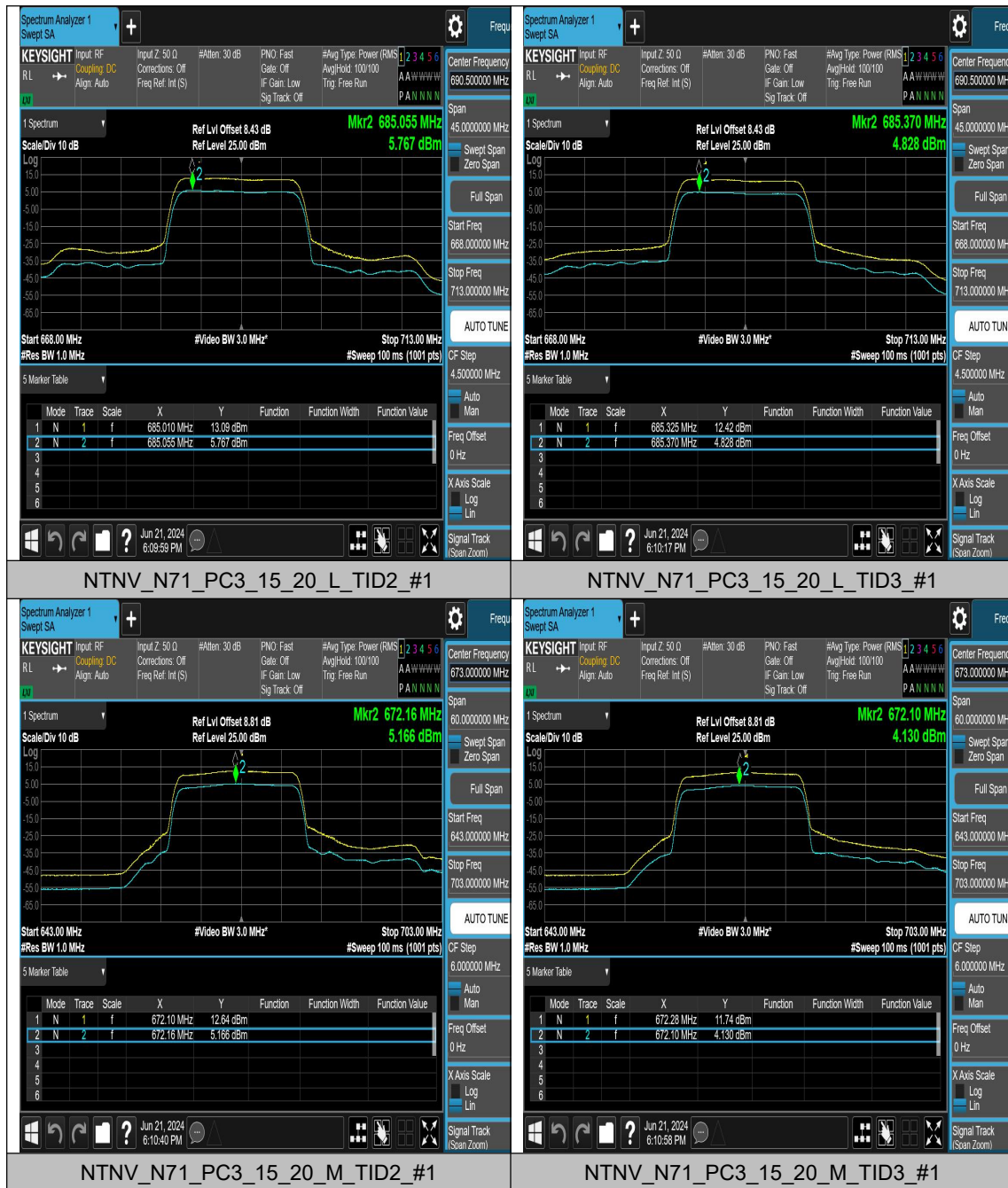
Test Graphs

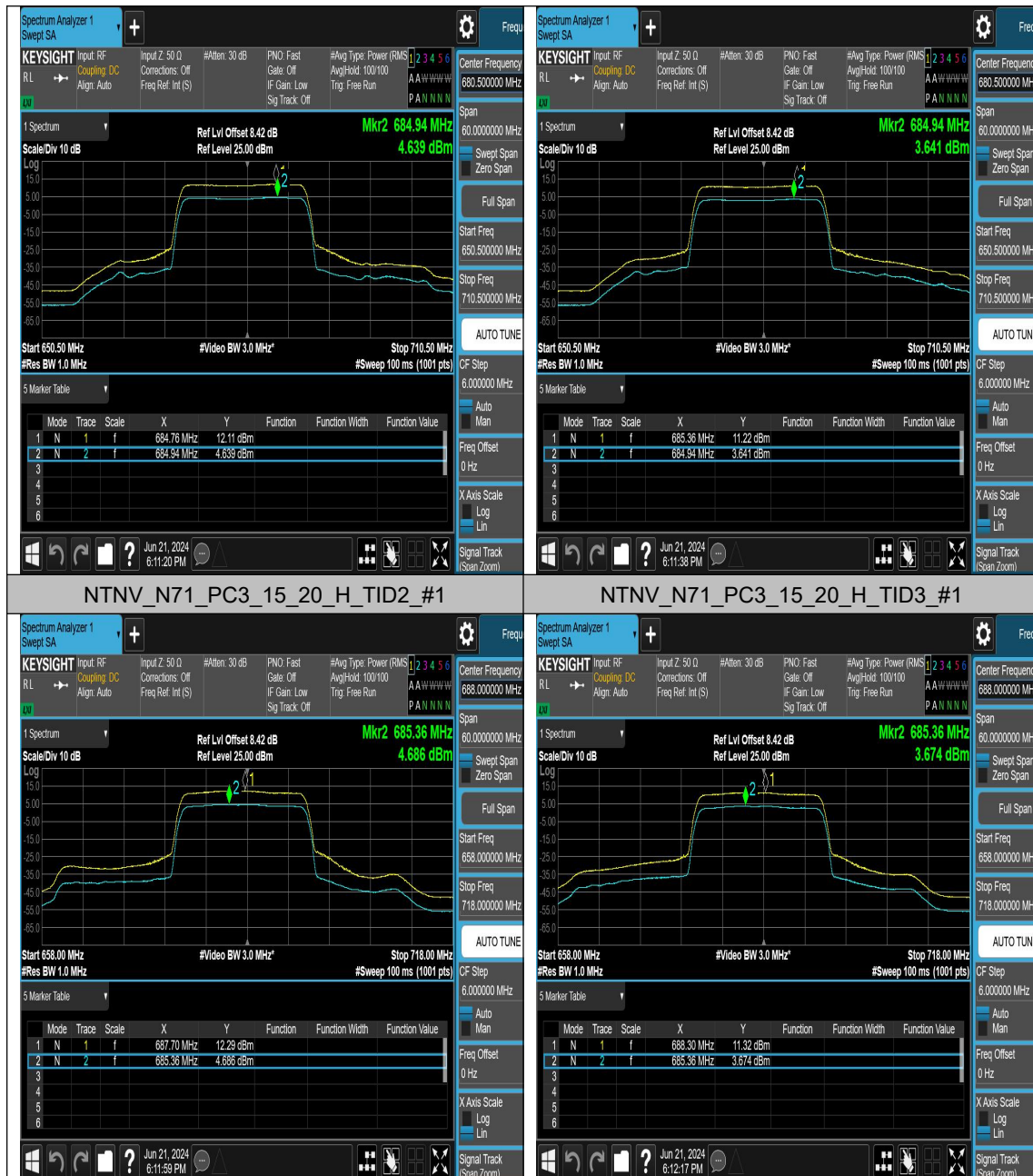












Appendix C: 26dB Bandwidth and Occupied Bandwidth for SA

Test Result

Band	SCS	Bandwidth	Modulation	Channel	RB Config	Result (99%)	Result (26dB)	Verdict
N71	15	5	DFT-QPSK	L	Outer_Full	4.4920	5.149	PASS
N71	15	5	DFT-16QAM	L	Outer_Full	4.4876	5.071	PASS
N71	15	5	DFT-QPSK	M	Outer_Full	4.4867	5.183	PASS
N71	15	5	DFT-16QAM	M	Outer_Full	4.4825	5.134	PASS
N71	15	5	DFT-QPSK	H	Outer_Full	4.4811	5.069	PASS
N71	15	5	DFT-16QAM	H	Outer_Full	4.4716	4.642	PASS
N71	15	10	DFT-QPSK	L	Outer_Full	8.9697	9.685	PASS
N71	15	10	DFT-16QAM	L	Outer_Full	8.9682	9.698	PASS
N71	15	10	DFT-QPSK	M	Outer_Full	8.9708	9.673	PASS
N71	15	10	DFT-16QAM	M	Outer_Full	8.9613	9.801	PASS
N71	15	10	DFT-QPSK	H	Outer_Full	8.9275	9.627	PASS
N71	15	10	DFT-16QAM	H	Outer_Full	8.9059	9.624	PASS
N71	15	15	DFT-QPSK	L	Outer_Full	13.384	14.27	PASS
N71	15	15	DFT-16QAM	L	Outer_Full	13.383	14.22	PASS
N71	15	15	DFT-QPSK	M	Outer_Full	13.461	14.35	PASS
N71	15	15	DFT-16QAM	M	Outer_Full	13.465	14.36	PASS
N71	15	15	DFT-QPSK	H	Outer_Full	13.280	14.18	PASS
N71	15	15	DFT-16QAM	H	Outer_Full	13.303	14.13	PASS
N71	15	20	DFT-QPSK	L	Outer_Full	17.782	18.74	PASS
N71	15	20	DFT-16QAM	L	Outer_Full	17.784	18.77	PASS
N71	15	20	DFT-QPSK	M	Outer_Full	17.924	18.98	PASS
N71	15	20	DFT-16QAM	M	Outer_Full	17.917	18.98	PASS
N71	15	20	DFT-QPSK	H	Outer_Full	17.773	18.75	PASS
N71	15	20	DFT-16QAM	H	Outer_Full	17.755	18.71	PASS

Test Graphs

