

Appendix for n66

Product Name: TITAN 5400

Model No: G5G-X62O

Appendix A: Average Power Output Data for SA

Test Result

Band	SCS	Bandwidth	Modulation	Channel	RB Config	Power (dBm)	Power Class	Verdict
N66	15	5	DFT-QPSK	L	Outer_Full	22.06	PC3	PASS
N66	15	5	DFT-QPSK	L	Inner_Full	23.14	PC3	PASS
N66	15	5	DFT-QPSK	L	Edge_1RB_Left	21.75	PC3	PASS
N66	15	5	DFT-QPSK	L	Edge_1RB_Right	21.74	PC3	PASS
N66	15	5	DFT-16QAM	L	Outer_Full	21.14	PC3	PASS
N66	15	5	DFT-16QAM	L	Inner_Full	22.19	PC3	PASS
N66	15	5	DFT-16QAM	L	Edge_1RB_Left	21.02	PC3	PASS
N66	15	5	DFT-16QAM	L	Edge_1RB_Right	21.66	PC3	PASS
N66	15	5	DFT-QPSK	M	Outer_Full	22.27	PC3	PASS
N66	15	5	DFT-QPSK	M	Inner_Full	23.28	PC3	PASS
N66	15	5	DFT-QPSK	M	Edge_1RB_Left	22.03	PC3	PASS
N66	15	5	DFT-QPSK	M	Edge_1RB_Right	22.10	PC3	PASS
N66	15	5	DFT-16QAM	M	Outer_Full	21.29	PC3	PASS
N66	15	5	DFT-16QAM	M	Inner_Full	22.22	PC3	PASS
N66	15	5	DFT-16QAM	M	Edge_1RB_Left	21.33	PC3	PASS
N66	15	5	DFT-16QAM	M	Edge_1RB_Right	21.49	PC3	PASS
N66	15	5	DFT-QPSK	H	Outer_Full	21.88	PC3	PASS
N66	15	5	DFT-QPSK	H	Inner_Full	22.87	PC3	PASS
N66	15	5	DFT-QPSK	H	Edge_1RB_Left	21.89	PC3	PASS
N66	15	5	DFT-QPSK	H	Edge_1RB_Right	21.98	PC3	PASS
N66	15	5	DFT-16QAM	H	Outer_Full	20.79	PC3	PASS
N66	15	5	DFT-16QAM	H	Inner_Full	21.92	PC3	PASS
N66	15	5	DFT-16QAM	H	Edge_1RB_Left	20.80	PC3	PASS
N66	15	5	DFT-16QAM	H	Edge_1RB_Right	20.90	PC3	PASS
N66	15	10	DFT-QPSK	L	Outer_Full	22.18	PC3	PASS
N66	15	10	DFT-QPSK	L	Inner_Full	22.90	PC3	PASS
N66	15	10	DFT-QPSK	L	Edge_1RB_Left	22.27	PC3	PASS
N66	15	10	DFT-QPSK	L	Edge_1RB_Right	22.29	PC3	PASS
N66	15	10	DFT-16QAM	L	Outer_Full	21.11	PC3	PASS
N66	15	10	DFT-16QAM	L	Inner_Full	21.89	PC3	PASS
N66	15	10	DFT-16QAM	L	Edge_1RB_Left	20.82	PC3	PASS
N66	15	10	DFT-16QAM	L	Edge_1RB_Right	21.57	PC3	PASS
N66	15	10	DFT-QPSK	M	Outer_Full	22.29	PC3	PASS
N66	15	10	DFT-QPSK	M	Inner_Full	23.29	PC3	PASS

N66	15	10	DFT-QPSK	M	Edge_1RB_Left	21.91	PC3	PASS
N66	15	10	DFT-QPSK	M	Edge_1RB_Right	22.08	PC3	PASS
N66	15	10	DFT-16QAM	M	Outer_Full	21.36	PC3	PASS
N66	15	10	DFT-16QAM	M	Inner_Full	22.36	PC3	PASS
N66	15	10	DFT-16QAM	M	Edge_1RB_Left	21.29	PC3	PASS
N66	15	10	DFT-16QAM	M	Edge_1RB_Right	20.92	PC3	PASS
N66	15	10	DFT-QPSK	H	Outer_Full	21.90	PC3	PASS
N66	15	10	DFT-QPSK	H	Inner_Full	22.91	PC3	PASS
N66	15	10	DFT-QPSK	H	Edge_1RB_Left	21.71	PC3	PASS
N66	15	10	DFT-QPSK	H	Edge_1RB_Right	21.79	PC3	PASS
N66	15	10	DFT-16QAM	H	Outer_Full	20.87	PC3	PASS
N66	15	10	DFT-16QAM	H	Inner_Full	21.90	PC3	PASS
N66	15	10	DFT-16QAM	H	Edge_1RB_Left	21.24	PC3	PASS
N66	15	10	DFT-16QAM	H	Edge_1RB_Right	20.72	PC3	PASS
N66	15	15	DFT-QPSK	L	Outer_Full	22.05	PC3	PASS
N66	15	15	DFT-QPSK	L	Inner_Full	22.72	PC3	PASS
N66	15	15	DFT-QPSK	L	Edge_1RB_Left	22.30	PC3	PASS
N66	15	15	DFT-QPSK	L	Edge_1RB_Right	22.27	PC3	PASS
N66	15	15	DFT-16QAM	L	Outer_Full	20.97	PC3	PASS
N66	15	15	DFT-16QAM	L	Inner_Full	21.78	PC3	PASS
N66	15	15	DFT-16QAM	L	Edge_1RB_Left	21.49	PC3	PASS
N66	15	15	DFT-16QAM	L	Edge_1RB_Right	20.75	PC3	PASS
N66	15	15	DFT-QPSK	M	Outer_Full	22.42	PC3	PASS
N66	15	15	DFT-QPSK	M	Inner_Full	23.36	PC3	PASS
N66	15	15	DFT-QPSK	M	Edge_1RB_Left	22.21	PC3	PASS
N66	15	15	DFT-QPSK	M	Edge_1RB_Right	22.26	PC3	PASS
N66	15	15	DFT-16QAM	M	Outer_Full	21.42	PC3	PASS
N66	15	15	DFT-16QAM	M	Inner_Full	22.53	PC3	PASS
N66	15	15	DFT-16QAM	M	Edge_1RB_Left	21.64	PC3	PASS
N66	15	15	DFT-16QAM	M	Edge_1RB_Right	20.97	PC3	PASS
N66	15	15	DFT-QPSK	H	Outer_Full	22.06	PC3	PASS
N66	15	15	DFT-QPSK	H	Inner_Full	23.01	PC3	PASS
N66	15	15	DFT-QPSK	H	Edge_1RB_Left	22.34	PC3	PASS
N66	15	15	DFT-QPSK	H	Edge_1RB_Right	22.35	PC3	PASS
N66	15	15	DFT-16QAM	H	Outer_Full	21.02	PC3	PASS
N66	15	15	DFT-16QAM	H	Inner_Full	22.14	PC3	PASS
N66	15	15	DFT-16QAM	H	Edge_1RB_Left	21.13	PC3	PASS
N66	15	15	DFT-16QAM	H	Edge_1RB_Right	21.35	PC3	PASS
N66	15	20	DFT-QPSK	L	Outer_Full	21.98	PC3	PASS
N66	15	20	DFT-QPSK	L	Inner_Full	22.72	PC3	PASS
N66	15	20	DFT-QPSK	L	Edge_1RB_Left	22.32	PC3	PASS
N66	15	20	DFT-QPSK	L	Edge_1RB_Right	22.26	PC3	PASS

N66	15	20	DFT-16QAM	L	Outer_Full	20.96	PC3	PASS
N66	15	20	DFT-16QAM	L	Inner_Full	21.70	PC3	PASS
N66	15	20	DFT-16QAM	L	Edge_1RB_Left	21.65	PC3	PASS
N66	15	20	DFT-16QAM	L	Edge_1RB_Right	21.30	PC3	PASS
N66	15	20	DFT-QPSK	M	Outer_Full	22.41	PC3	PASS
N66	15	20	DFT-QPSK	M	Inner_Full	23.45	PC3	PASS
N66	15	20	DFT-QPSK	M	Edge_1RB_Left	22.35	PC3	PASS
N66	15	20	DFT-QPSK	M	Edge_1RB_Right	22.48	PC3	PASS
N66	15	20	DFT-16QAM	M	Outer_Full	21.40	PC3	PASS
N66	15	20	DFT-16QAM	M	Inner_Full	22.42	PC3	PASS
N66	15	20	DFT-16QAM	M	Edge_1RB_Left	21.70	PC3	PASS
N66	15	20	DFT-16QAM	M	Edge_1RB_Right	21.01	PC3	PASS
N66	15	20	DFT-QPSK	H	Outer_Full	22.03	PC3	PASS
N66	15	20	DFT-QPSK	H	Inner_Full	23.06	PC3	PASS
N66	15	20	DFT-QPSK	H	Edge_1RB_Left	22.15	PC3	PASS
N66	15	20	DFT-QPSK	H	Edge_1RB_Right	22.08	PC3	PASS
N66	15	20	DFT-16QAM	H	Outer_Full	21.08	PC3	PASS
N66	15	20	DFT-16QAM	H	Inner_Full	22.01	PC3	PASS
N66	15	20	DFT-16QAM	H	Edge_1RB_Left	20.94	PC3	PASS
N66	15	20	DFT-16QAM	H	Edge_1RB_Right	20.98	PC3	PASS
N66	15	30	DFT-QPSK	L	Outer_Full	22.27	PC3	PASS
N66	15	30	DFT-QPSK	L	Inner_Full	22.85	PC3	PASS
N66	15	30	DFT-QPSK	L	Edge_1RB_Left	21.78	PC3	PASS
N66	15	30	DFT-QPSK	L	Edge_1RB_Right	22.23	PC3	PASS
N66	15	30	DFT-16QAM	L	Outer_Full	21.28	PC3	PASS
N66	15	30	DFT-16QAM	L	Inner_Full	21.93	PC3	PASS
N66	15	30	DFT-16QAM	L	Edge_1RB_Left	20.95	PC3	PASS
N66	15	30	DFT-16QAM	L	Edge_1RB_Right	20.91	PC3	PASS
N66	15	30	DFT-QPSK	M	Outer_Full	22.49	PC3	PASS
N66	15	30	DFT-QPSK	M	Inner_Full	23.49	PC3	PASS
N66	15	30	DFT-QPSK	M	Edge_1RB_Left	22.39	PC3	PASS
N66	15	30	DFT-QPSK	M	Edge_1RB_Right	22.24	PC3	PASS
N66	15	30	DFT-16QAM	M	Outer_Full	21.48	PC3	PASS
N66	15	30	DFT-16QAM	M	Inner_Full	22.58	PC3	PASS
N66	15	30	DFT-16QAM	M	Edge_1RB_Left	21.20	PC3	PASS
N66	15	30	DFT-16QAM	M	Edge_1RB_Right	20.85	PC3	PASS
N66	15	30	DFT-QPSK	H	Outer_Full	22.18	PC3	PASS
N66	15	30	DFT-QPSK	H	Inner_Full	23.09	PC3	PASS
N66	15	30	DFT-QPSK	H	Edge_1RB_Left	22.14	PC3	PASS
N66	15	30	DFT-QPSK	H	Edge_1RB_Right	21.81	PC3	PASS
N66	15	30	DFT-16QAM	H	Outer_Full	21.08	PC3	PASS
N66	15	30	DFT-16QAM	H	Inner_Full	22.02	PC3	PASS

N66	15	30	DFT-16QAM	H	Edge_1RB_Left	21.41	PC3	PASS
N66	15	30	DFT-16QAM	H	Edge_1RB_Right	20.87	PC3	PASS
N66	15	40	DFT-QPSK	L	Outer_Full	22.38	PC3	PASS
N66	15	40	DFT-QPSK	L	Inner_Full	23.31	PC3	PASS
N66	15	40	DFT-QPSK	L	Edge_1RB_Left	21.76	PC3	PASS
N66	15	40	DFT-QPSK	L	Edge_1RB_Right	22.35	PC3	PASS
N66	15	40	DFT-16QAM	L	Outer_Full	21.37	PC3	PASS
N66	15	40	DFT-16QAM	L	Inner_Full	22.35	PC3	PASS
N66	15	40	DFT-16QAM	L	Edge_1RB_Left	21.18	PC3	PASS
N66	15	40	DFT-16QAM	L	Edge_1RB_Right	21.20	PC3	PASS
N66	15	40	DFT-QPSK	M	Outer_Full	22.40	PC3	PASS
N66	15	40	DFT-QPSK	M	Inner_Full	23.53	PC3	PASS
N66	15	40	DFT-QPSK	M	Edge_1RB_Left	22.06	PC3	PASS
N66	15	40	DFT-QPSK	M	Edge_1RB_Right	22.28	PC3	PASS
N66	15	40	DFT-16QAM	M	Outer_Full	21.37	PC3	PASS
N66	15	40	DFT-16QAM	M	Inner_Full	22.65	PC3	PASS
N66	15	40	DFT-16QAM	M	Edge_1RB_Left	20.84	PC3	PASS
N66	15	40	DFT-16QAM	M	Edge_1RB_Right	21.09	PC3	PASS
N66	15	40	DFT-QPSK	H	Outer_Full	22.14	PC3	PASS
N66	15	40	DFT-QPSK	H	Inner_Full	23.18	PC3	PASS
N66	15	40	DFT-QPSK	H	Edge_1RB_Left	22.05	PC3	PASS
N66	15	40	DFT-QPSK	H	Edge_1RB_Right	21.82	PC3	PASS
N66	15	40	DFT-16QAM	H	Outer_Full	21.20	PC3	PASS
N66	15	40	DFT-16QAM	H	Inner_Full	22.19	PC3	PASS
N66	15	40	DFT-16QAM	H	Edge_1RB_Left	21.19	PC3	PASS
N66	15	40	DFT-16QAM	H	Edge_1RB_Right	20.99	PC3	PASS

Appendix B: Peak-to-Average Ratio for SA

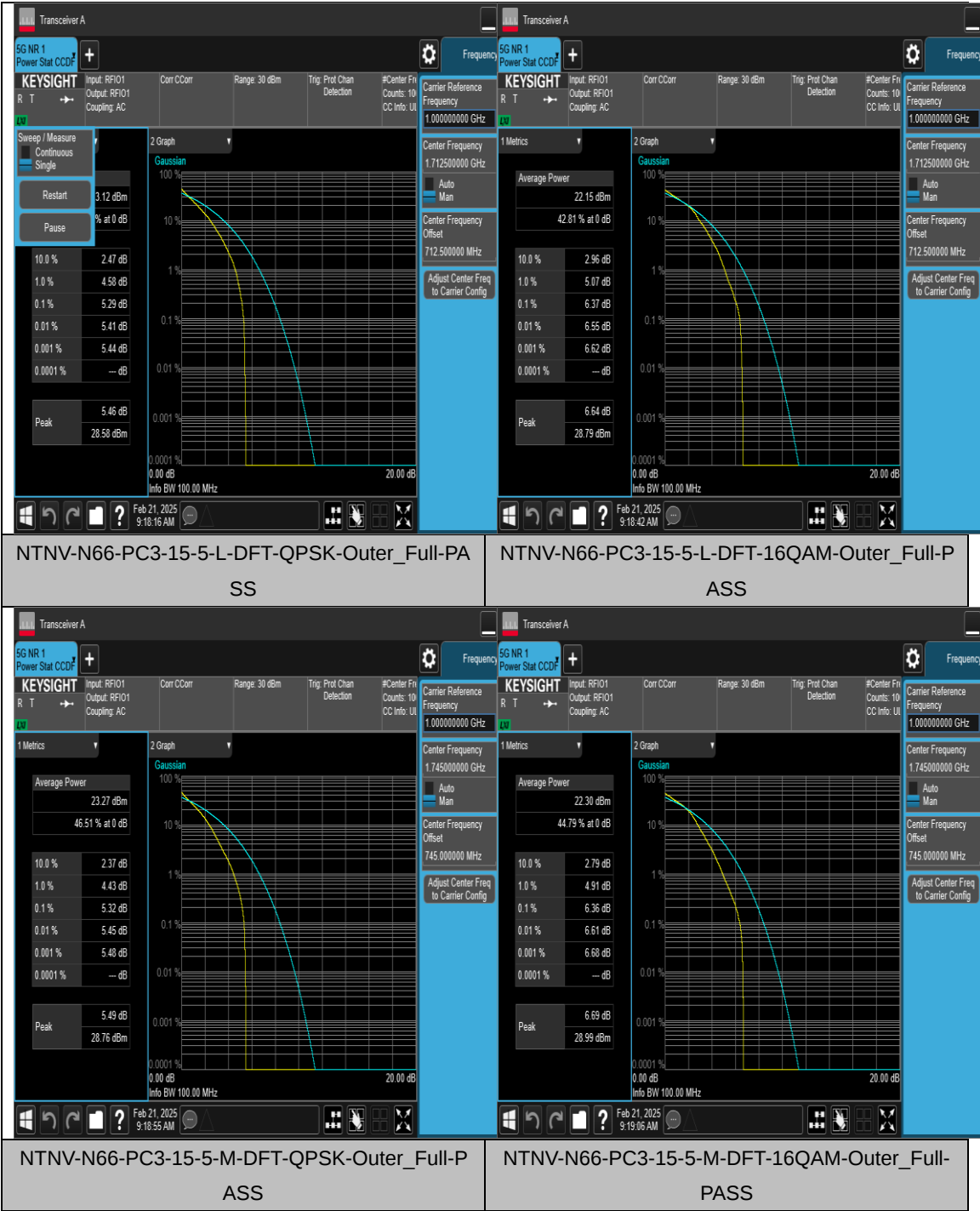
Peak-to-Average Ratio(CCDF)

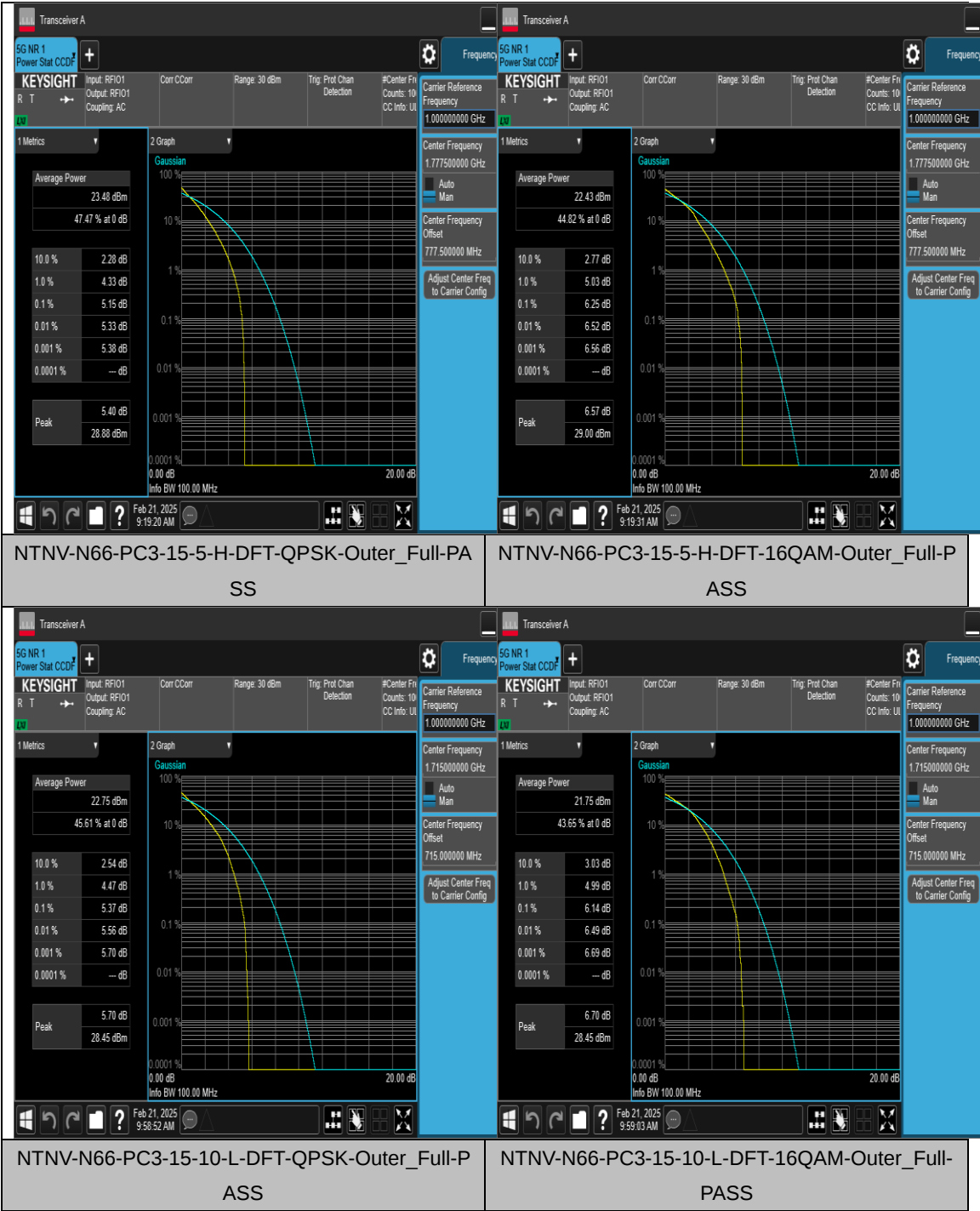
Test Result

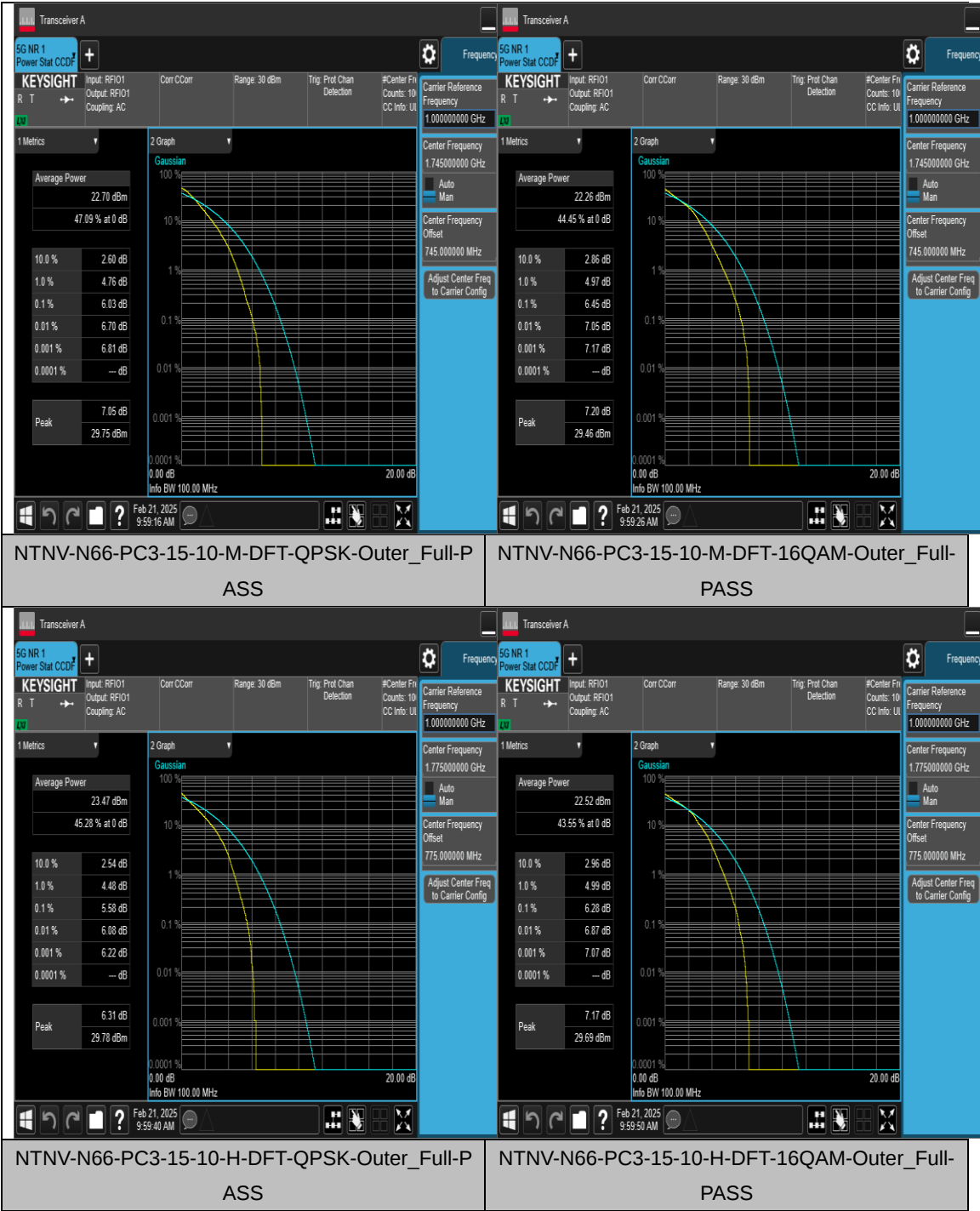
Band	SCS	Bandwidth	Modulation	Channel	RB Config	Result	Limit	Verdict
N66	15	5	DFT-QPSK	L	Outer_Full	5.29	≤13	PASS
N66	15	5	DFT-16QAM	L	Outer_Full	6.37	≤13	PASS
N66	15	5	DFT-QPSK	M	Outer_Full	5.32	≤13	PASS
N66	15	5	DFT-16QAM	M	Outer_Full	6.36	≤13	PASS
N66	15	5	DFT-QPSK	H	Outer_Full	5.15	≤13	PASS
N66	15	5	DFT-16QAM	H	Outer_Full	6.25	≤13	PASS
N66	15	10	DFT-QPSK	L	Outer_Full	5.37	≤13	PASS
N66	15	10	DFT-16QAM	L	Outer_Full	6.14	≤13	PASS
N66	15	10	DFT-QPSK	M	Outer_Full	6.03	≤13	PASS
N66	15	10	DFT-16QAM	M	Outer_Full	6.45	≤13	PASS
N66	15	10	DFT-QPSK	H	Outer_Full	5.58	≤13	PASS
N66	15	10	DFT-16QAM	H	Outer_Full	6.28	≤13	PASS
N66	15	15	DFT-QPSK	L	Outer_Full	5.35	≤13	PASS
N66	15	15	DFT-16QAM	L	Outer_Full	6.11	≤13	PASS
N66	15	15	DFT-QPSK	M	Outer_Full	5.44	≤13	PASS
N66	15	15	DFT-16QAM	M	Outer_Full	6.31	≤13	PASS
N66	15	15	DFT-QPSK	H	Outer_Full	5.32	≤13	PASS
N66	15	15	DFT-16QAM	H	Outer_Full	6.31	≤13	PASS
N66	15	20	DFT-QPSK	L	Outer_Full	5.46	≤13	PASS
N66	15	20	DFT-16QAM	L	Outer_Full	6.24	≤13	PASS
N66	15	20	DFT-QPSK	M	Outer_Full	5.43	≤13	PASS
N66	15	20	DFT-16QAM	M	Outer_Full	6.25	≤13	PASS
N66	15	20	DFT-QPSK	H	Outer_Full	5.35	≤13	PASS
N66	15	20	DFT-16QAM	H	Outer_Full	6.16	≤13	PASS
N66	15	30	DFT-QPSK	L	Outer_Full	5.35	≤13	PASS
N66	15	30	DFT-16QAM	L	Outer_Full	6.17	≤13	PASS
N66	15	30	DFT-QPSK	M	Outer_Full	5.54	≤13	PASS
N66	15	30	DFT-16QAM	M	Outer_Full	6.11	≤13	PASS
N66	15	30	DFT-QPSK	H	Outer_Full	5.41	≤13	PASS
N66	15	30	DFT-16QAM	H	Outer_Full	6.25	≤13	PASS
N66	15	40	DFT-QPSK	L	Outer_Full	5.30	≤13	PASS
N66	15	40	DFT-16QAM	L	Outer_Full	6.17	≤13	PASS
N66	15	40	DFT-QPSK	M	Outer_Full	5.50	≤13	PASS

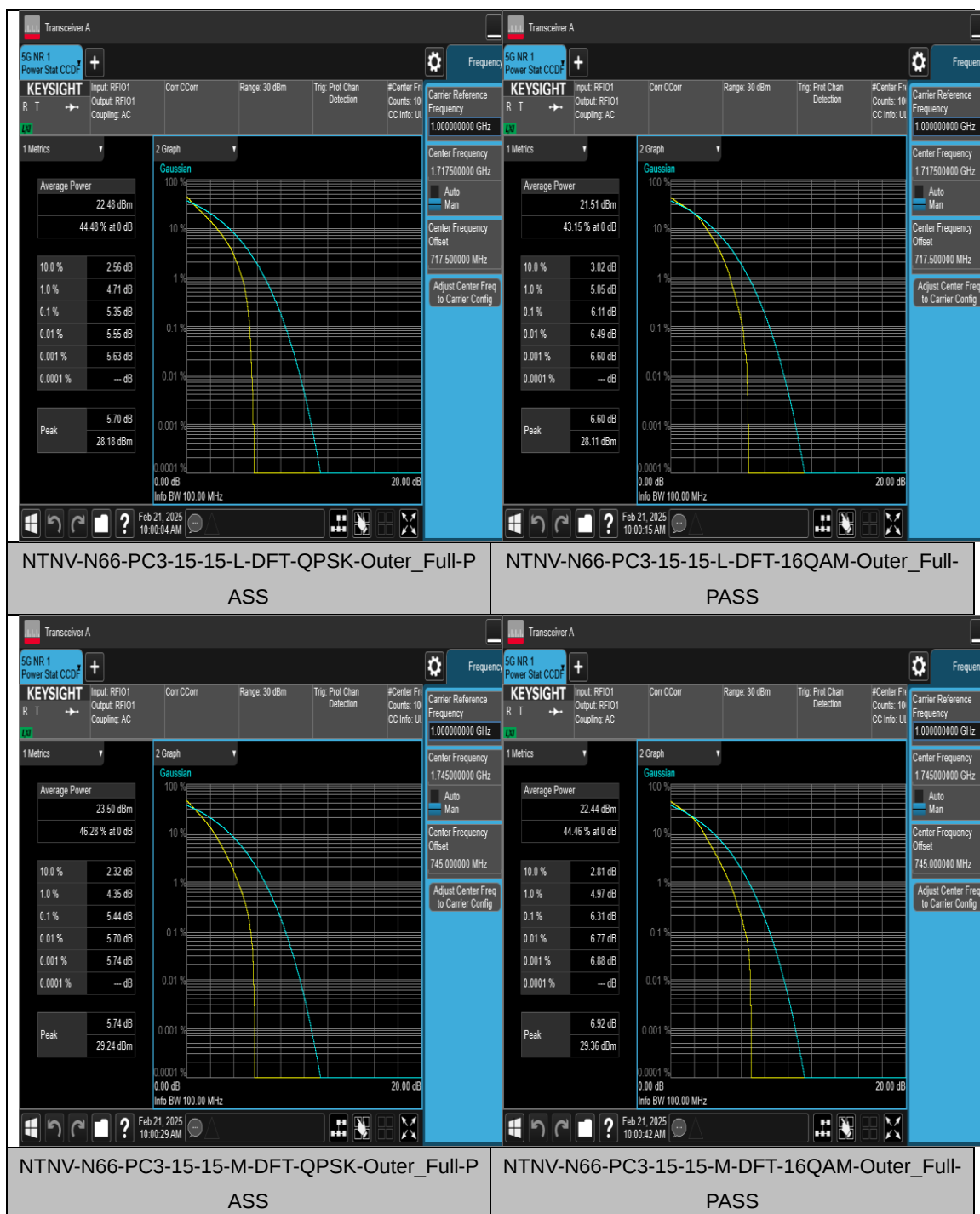
N66	15	40	DFT-16QAM	M	Outer_Full	6.24	≤13	PASS
N66	15	40	DFT-QPSK	H	Outer_Full	5.43	≤13	PASS
N66	15	40	DFT-16QAM	H	Outer_Full	6.21	≤13	PASS

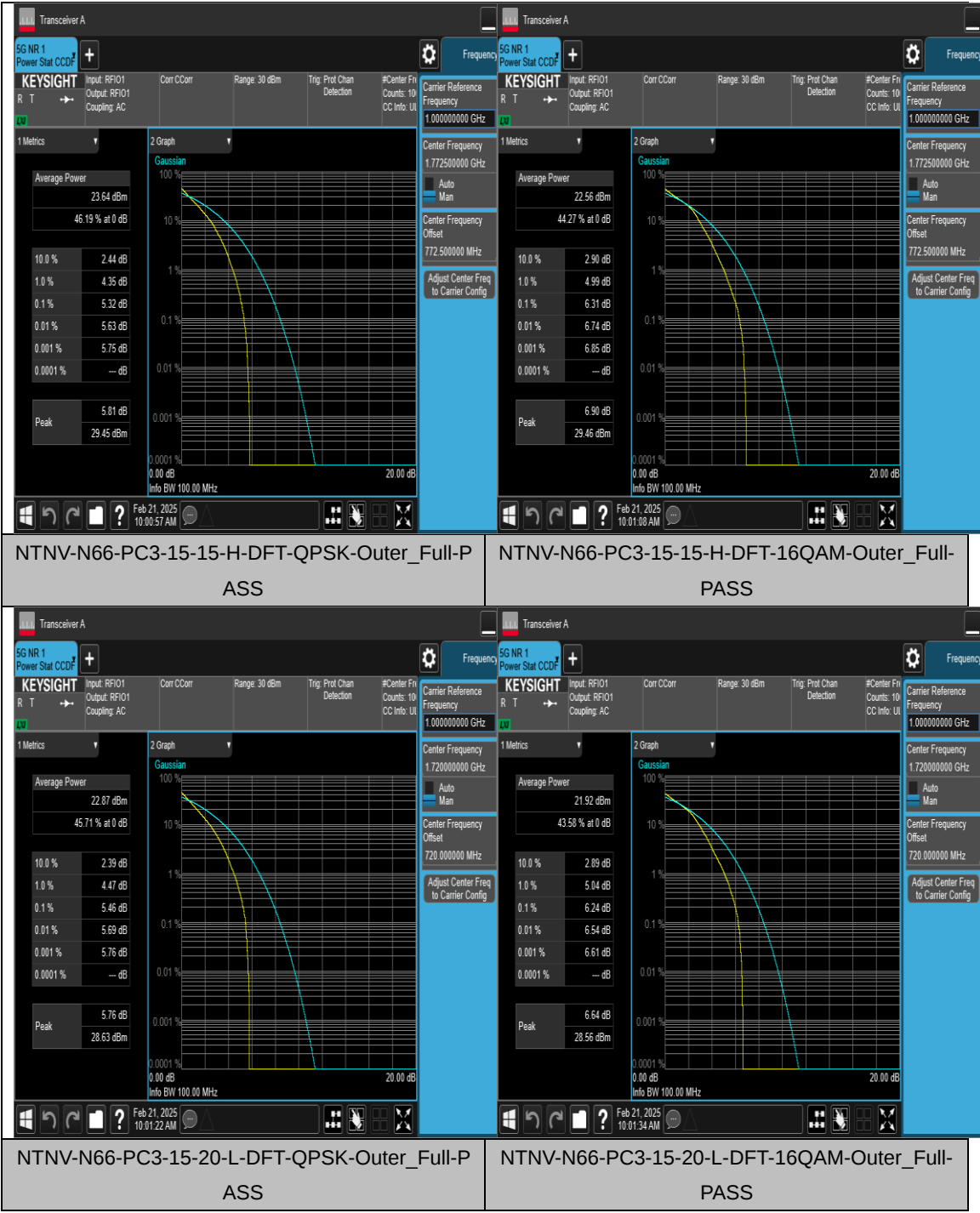
Test Graphs

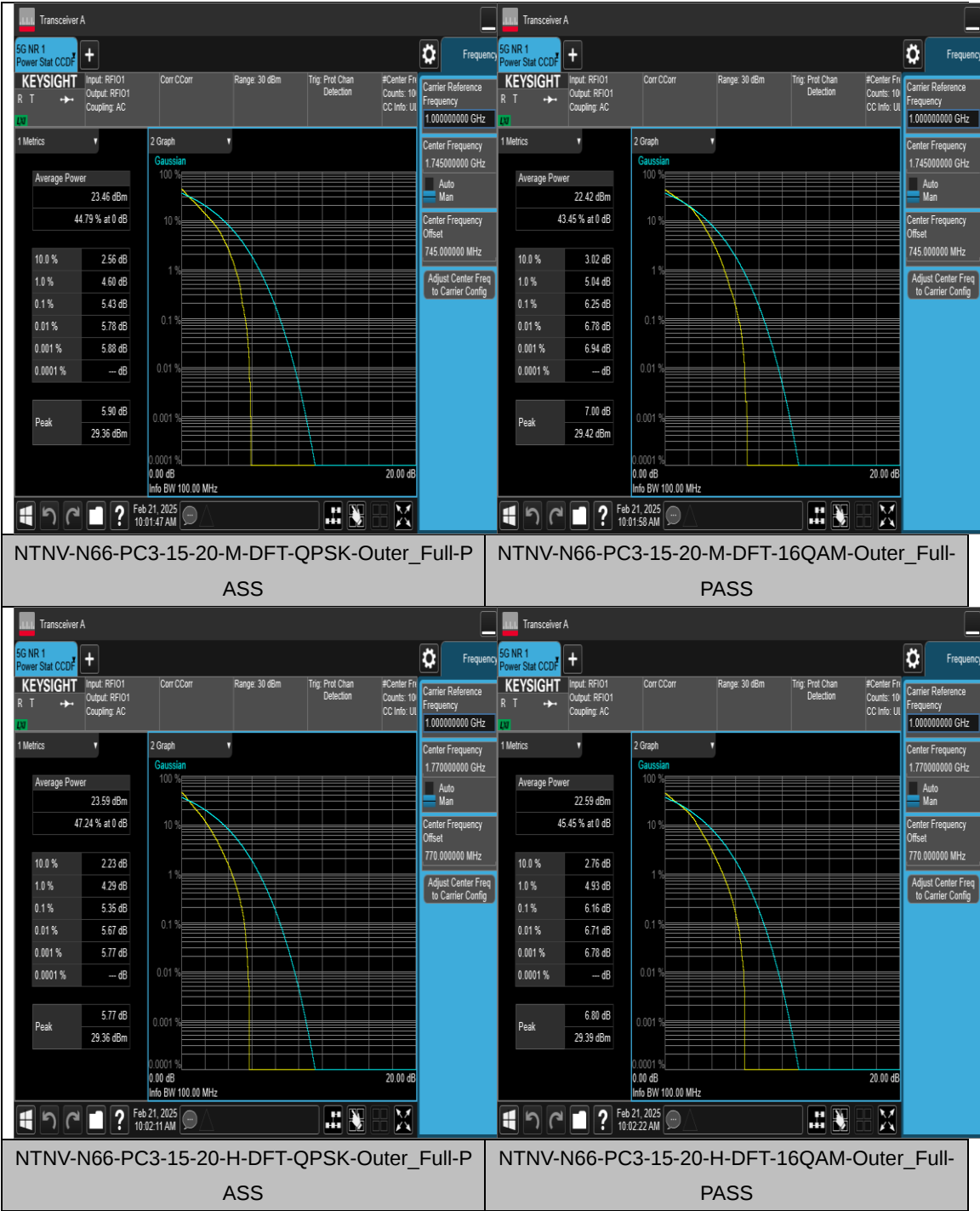


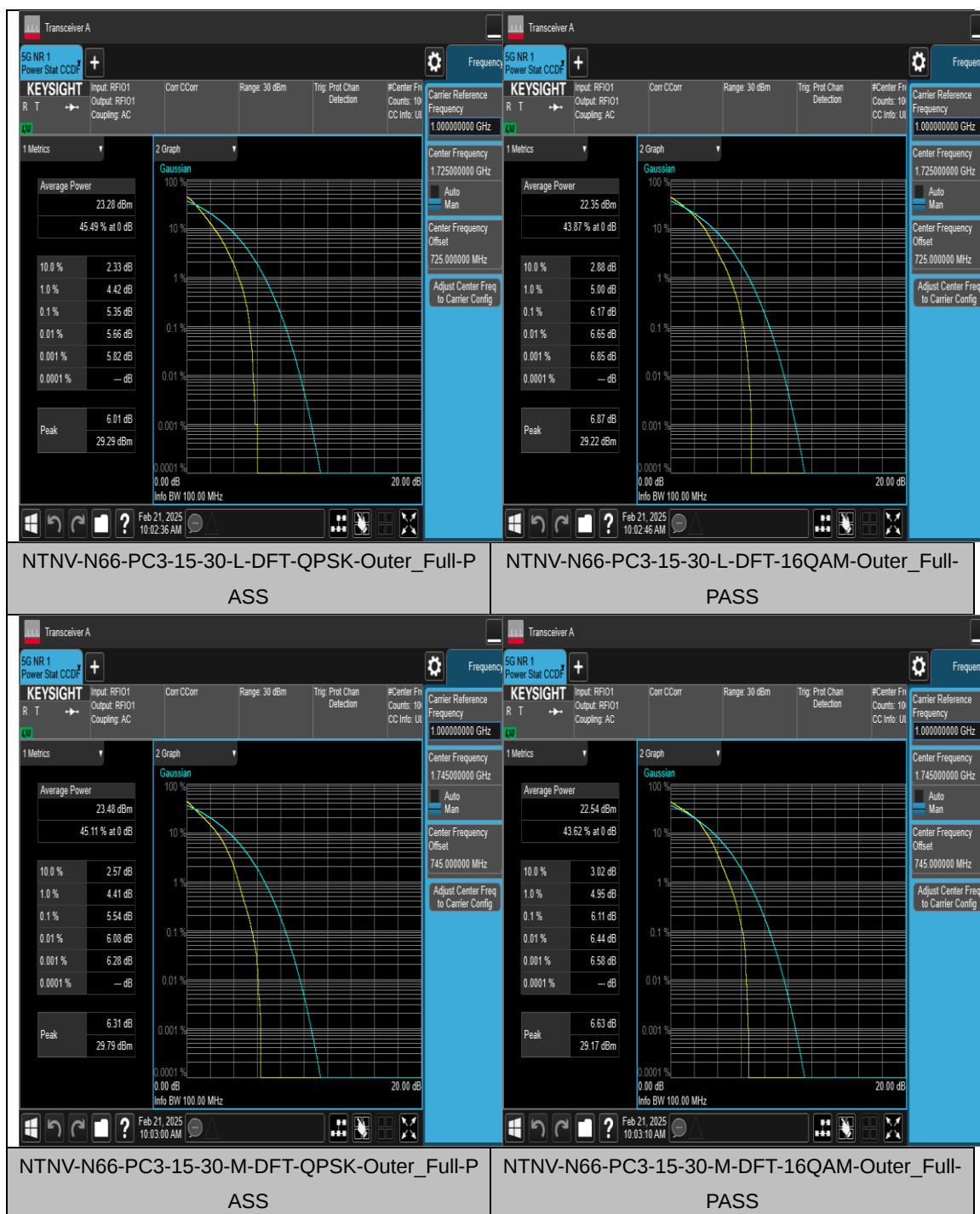


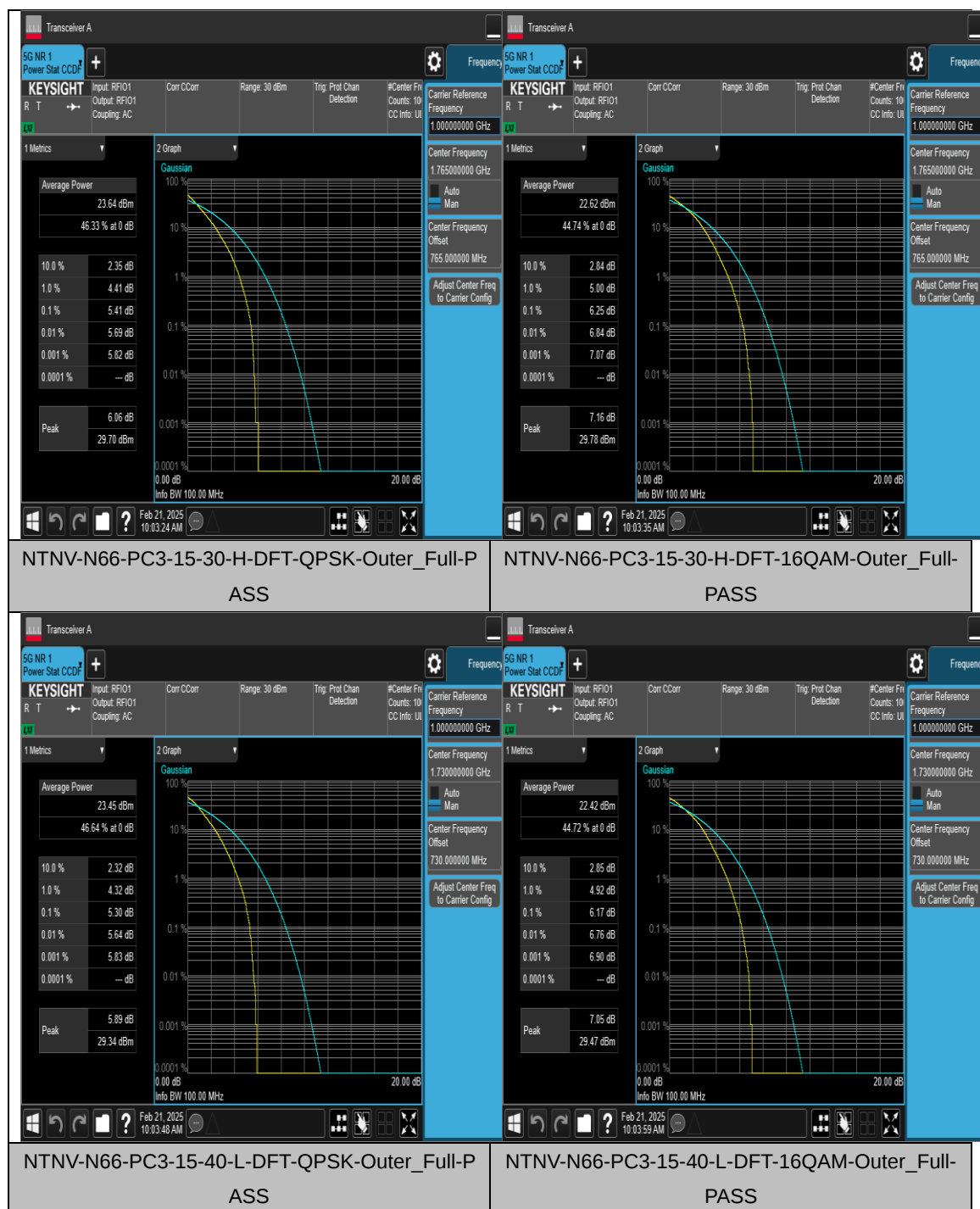


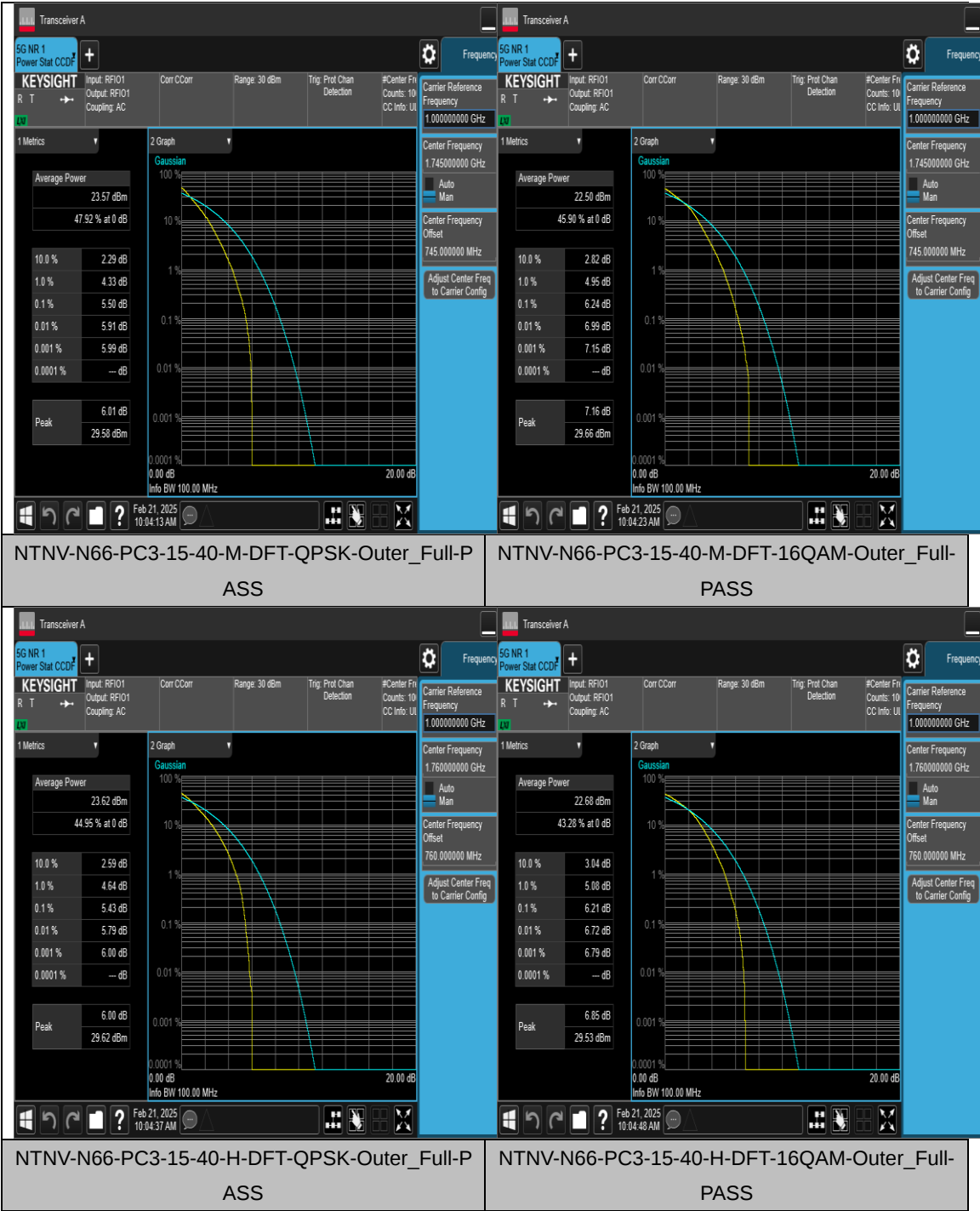












Appendix C: 26dB Bandwidth and Occupied Bandwidth for SA

Test Result

Band	SCS	Bandwidth	Modulation	Channel	RB Config	Result (99%)	Result (26dB)	Verdict
N66	15	5	DFT-QPSK	L	Outer_Full	4.4818	5.143	PASS
N66	15	5	DFT-16QAM	L	Outer_Full	4.4818	5.117	PASS
N66	15	5	DFT-QPSK	M	Outer_Full	4.4756	5.105	PASS
N66	15	5	DFT-16QAM	M	Outer_Full	4.4780	5.053	PASS
N66	15	5	DFT-QPSK	H	Outer_Full	4.4769	5.122	PASS
N66	15	5	DFT-16QAM	H	Outer_Full	4.4730	5.078	PASS
N66	15	10	DFT-QPSK	L	Outer_Full	8.9510	9.837	PASS
N66	15	10	DFT-16QAM	L	Outer_Full	8.9492	9.675	PASS
N66	15	10	DFT-QPSK	M	Outer_Full	8.9450	9.734	PASS
N66	15	10	DFT-16QAM	M	Outer_Full	8.9424	9.712	PASS
N66	15	10	DFT-QPSK	H	Outer_Full	8.9347	9.719	PASS
N66	15	10	DFT-16QAM	H	Outer_Full	8.9454	9.791	PASS
N66	15	15	DFT-QPSK	L	Outer_Full	13.415	14.38	PASS
N66	15	15	DFT-16QAM	L	Outer_Full	13.424	14.33	PASS
N66	15	15	DFT-QPSK	M	Outer_Full	13.386	14.33	PASS
N66	15	15	DFT-16QAM	M	Outer_Full	13.404	14.35	PASS
N66	15	15	DFT-QPSK	H	Outer_Full	13.413	14.42	PASS
N66	15	15	DFT-16QAM	H	Outer_Full	13.411	14.30	PASS
N66	15	20	DFT-QPSK	L	Outer_Full	17.916	19.03	PASS
N66	15	20	DFT-16QAM	L	Outer_Full	17.894	18.90	PASS
N66	15	20	DFT-QPSK	M	Outer_Full	17.861	18.88	PASS
N66	15	20	DFT-16QAM	M	Outer_Full	17.857	18.89	PASS
N66	15	20	DFT-QPSK	H	Outer_Full	17.843	18.93	PASS
N66	15	20	DFT-16QAM	H	Outer_Full	17.847	18.98	PASS
N66	15	30	DFT-QPSK	L	Outer_Full	28.613	29.84	PASS
N66	15	30	DFT-16QAM	L	Outer_Full	28.577	29.82	PASS
N66	15	30	DFT-QPSK	M	Outer_Full	28.488	29.78	PASS
N66	15	30	DFT-16QAM	M	Outer_Full	28.493	29.86	PASS
N66	15	30	DFT-QPSK	H	Outer_Full	28.558	29.87	PASS
N66	15	30	DFT-16QAM	H	Outer_Full	28.566	29.86	PASS
N66	15	40	DFT-QPSK	L	Outer_Full	38.442	40.05	PASS
N66	15	40	DFT-16QAM	L	Outer_Full	38.482	40.00	PASS
N66	15	40	DFT-QPSK	M	Outer_Full	38.430	40.01	PASS
N66	15	40	DFT-16QAM	M	Outer_Full	38.421	40.04	PASS
N66	15	40	DFT-QPSK	H	Outer_Full	38.609	40.16	PASS

N66	15	40	DFT-16QAM	H	Outer_Full	38.588	40.09	PASS
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Test Graphs

