

Appendix for n41

Product Name: 5G CPE

Model No: C150

Appendix A: Average Power Output for SA

Test Result

Band	SCS	Bandwidth	Modulation	Channel	RB Config	Power (dBm)	Power Class	Verdict
N41	30	20	CP-QPSK	L	Outer_Full	25.24	PC2	PASS
N41	30	20	CP-QPSK	L	Edge_1RB_Left	24.75	PC2	PASS
N41	30	20	CP-QPSK	L	Inner_Full	26.81	PC2	PASS
N41	30	20	CP-QPSK	L	Edge_1RB_Right	24.68	PC2	PASS
N41	30	20	CP-16QAM	L	Outer_Full	25.20	PC2	PASS
N41	30	20	CP-16QAM	L	Edge_1RB_Left	24.67	PC2	PASS
N41	30	20	CP-16QAM	L	Inner_Full	26.37	PC2	PASS
N41	30	20	CP-16QAM	L	Edge_1RB_Right	24.70	PC2	PASS
N41	30	20	CP-QPSK	M	Outer_Full	24.87	PC2	PASS
N41	30	20	CP-QPSK	M	Edge_1RB_Left	24.41	PC2	PASS
N41	30	20	CP-QPSK	M	Inner_Full	26.18	PC2	PASS
N41	30	20	CP-QPSK	M	Edge_1RB_Right	24.01	PC2	PASS
N41	30	20	CP-16QAM	M	Outer_Full	24.83	PC2	PASS
N41	30	20	CP-16QAM	M	Edge_1RB_Left	24.00	PC2	PASS
N41	30	20	CP-16QAM	M	Inner_Full	25.57	PC2	PASS
N41	30	20	CP-16QAM	M	Edge_1RB_Right	23.96	PC2	PASS
N41	30	20	CP-QPSK	H	Outer_Full	23.75	PC2	PASS
N41	30	20	CP-QPSK	H	Edge_1RB_Left	23.26	PC2	PASS
N41	30	20	CP-QPSK	H	Inner_Full	25.42	PC2	PASS
N41	30	20	CP-QPSK	H	Edge_1RB_Right	23.52	PC2	PASS
N41	30	20	CP-16QAM	H	Outer_Full	24.00	PC2	PASS
N41	30	20	CP-16QAM	H	Edge_1RB_Left	23.45	PC2	PASS
N41	30	20	CP-16QAM	H	Inner_Full	24.79	PC2	PASS
N41	30	20	CP-16QAM	H	Edge_1RB_Right	23.30	PC2	PASS
N41	30	40	CP-QPSK	L	Outer_Full	23.12	PC2	PASS
N41	30	40	CP-QPSK	L	Edge_1RB_Left	25.23	PC2	PASS
N41	30	40	CP-QPSK	L	Inner_Full	27.22	PC2	PASS
N41	30	40	CP-QPSK	L	Edge_1RB_Right	25.63	PC2	PASS
N41	30	40	CP-16QAM	L	Outer_Full	25.92	PC2	PASS
N41	30	40	CP-16QAM	L	Edge_1RB_Left	25.54	PC2	PASS
N41	30	40	CP-16QAM	L	Inner_Full	26.77	PC2	PASS
N41	30	40	CP-16QAM	L	Edge_1RB_Right	25.51	PC2	PASS
N41	30	40	CP-QPSK	M	Outer_Full	25.25	PC2	PASS
N41	30	40	CP-QPSK	M	Edge_1RB_Left	25.14	PC2	PASS
N41	30	40	CP-QPSK	M	Inner_Full	26.52	PC2	PASS

N41	30	40	CP-QPSK	M	Edge_1RB_Right	24.22	PC2	PASS
N41	30	40	CP-16QAM	M	Outer_Full	25.31	PC2	PASS
N41	30	40	CP-16QAM	M	Edge_1RB_Left	25.36	PC2	PASS
N41	30	40	CP-16QAM	M	Inner_Full	26.20	PC2	PASS
N41	30	40	CP-16QAM	M	Edge_1RB_Right	24.31	PC2	PASS
N41	30	40	CP-QPSK	H	Outer_Full	21.77	PC2	PASS
N41	30	40	CP-QPSK	H	Edge_1RB_Left	23.59	PC2	PASS
N41	30	40	CP-QPSK	H	Inner_Full	25.65	PC2	PASS
N41	30	40	CP-QPSK	H	Edge_1RB_Right	24.28	PC2	PASS
N41	30	40	CP-16QAM	H	Outer_Full	24.25	PC2	PASS
N41	30	40	CP-16QAM	H	Edge_1RB_Left	24.06	PC2	PASS
N41	30	40	CP-16QAM	H	Inner_Full	25.33	PC2	PASS
N41	30	40	CP-16QAM	H	Edge_1RB_Right	23.75	PC2	PASS
N41	30	60	CP-QPSK	L	Outer_Full	22.82	PC2	PASS
N41	30	60	CP-QPSK	L	Edge_1RB_Left	24.94	PC2	PASS
N41	30	60	CP-QPSK	L	Inner_Full	26.86	PC2	PASS
N41	30	60	CP-QPSK	L	Edge_1RB_Right	24.76	PC2	PASS
N41	30	60	CP-16QAM	L	Outer_Full	25.50	PC2	PASS
N41	30	60	CP-16QAM	L	Edge_1RB_Left	24.59	PC2	PASS
N41	30	60	CP-16QAM	L	Inner_Full	26.50	PC2	PASS
N41	30	60	CP-16QAM	L	Edge_1RB_Right	25.03	PC2	PASS
N41	30	60	CP-QPSK	M	Outer_Full	22.84	PC2	PASS
N41	30	60	CP-QPSK	M	Edge_1RB_Left	24.85	PC2	PASS
N41	30	60	CP-QPSK	M	Inner_Full	26.20	PC2	PASS
N41	30	60	CP-QPSK	M	Edge_1RB_Right	23.51	PC2	PASS
N41	30	60	CP-16QAM	M	Outer_Full	24.87	PC2	PASS
N41	30	60	CP-16QAM	M	Edge_1RB_Left	25.19	PC2	PASS
N41	30	60	CP-16QAM	M	Inner_Full	25.68	PC2	PASS
N41	30	60	CP-16QAM	M	Edge_1RB_Right	23.27	PC2	PASS
N41	30	60	CP-QPSK	H	Outer_Full	23.83	PC2	PASS
N41	30	60	CP-QPSK	H	Edge_1RB_Left	23.36	PC2	PASS
N41	30	60	CP-QPSK	H	Inner_Full	25.47	PC2	PASS
N41	30	60	CP-QPSK	H	Edge_1RB_Right	23.71	PC2	PASS
N41	30	60	CP-16QAM	H	Outer_Full	24.06	PC2	PASS
N41	30	60	CP-16QAM	H	Edge_1RB_Left	23.69	PC2	PASS
N41	30	60	CP-16QAM	H	Inner_Full	24.93	PC2	PASS
N41	30	60	CP-16QAM	H	Edge_1RB_Right	23.83	PC2	PASS
N41	30	100	CP-QPSK	L	Outer_Full	25.44	PC2	PASS
N41	30	100	CP-QPSK	L	Edge_1RB_Left	24.95	PC2	PASS
N41	30	100	CP-QPSK	L	Inner_Full	27.25	PC2	PASS
N41	30	100	CP-QPSK	L	Edge_1RB_Right	24.12	PC2	PASS
N41	30	100	CP-16QAM	L	Outer_Full	25.32	PC2	PASS

N41	30	100	CP-16QAM	L	Edge_1RB_Left	24.85	PC2	PASS
N41	30	100	CP-16QAM	L	Inner_Full	26.44	PC2	PASS
N41	30	100	CP-16QAM	L	Edge_1RB_Right	24.00	PC2	PASS
N41	30	100	CP-QPSK	M	Outer_Full	24.90	PC2	PASS
N41	30	100	CP-QPSK	M	Edge_1RB_Left	25.02	PC2	PASS
N41	30	100	CP-QPSK	M	Inner_Full	26.33	PC2	PASS
N41	30	100	CP-QPSK	M	Edge_1RB_Right	23.47	PC2	PASS
N41	30	100	CP-16QAM	M	Outer_Full	24.99	PC2	PASS
N41	30	100	CP-16QAM	M	Edge_1RB_Left	25.04	PC2	PASS
N41	30	100	CP-16QAM	M	Inner_Full	25.95	PC2	PASS
N41	30	100	CP-16QAM	M	Edge_1RB_Right	23.51	PC2	PASS
N41	30	100	CP-QPSK	H	Outer_Full	24.20	PC2	PASS
N41	30	100	CP-QPSK	H	Edge_1RB_Left	24.03	PC2	PASS
N41	30	100	CP-QPSK	H	Inner_Full	25.48	PC2	PASS
N41	30	100	CP-QPSK	H	Edge_1RB_Right	23.25	PC2	PASS
N41	30	100	CP-16QAM	H	Outer_Full	24.06	PC2	PASS
N41	30	100	CP-16QAM	H	Edge_1RB_Left	24.29	PC2	PASS
N41	30	100	CP-16QAM	H	Inner_Full	25.01	PC2	PASS
N41	30	100	CP-16QAM	H	Edge_1RB_Right	23.35	PC2	PASS

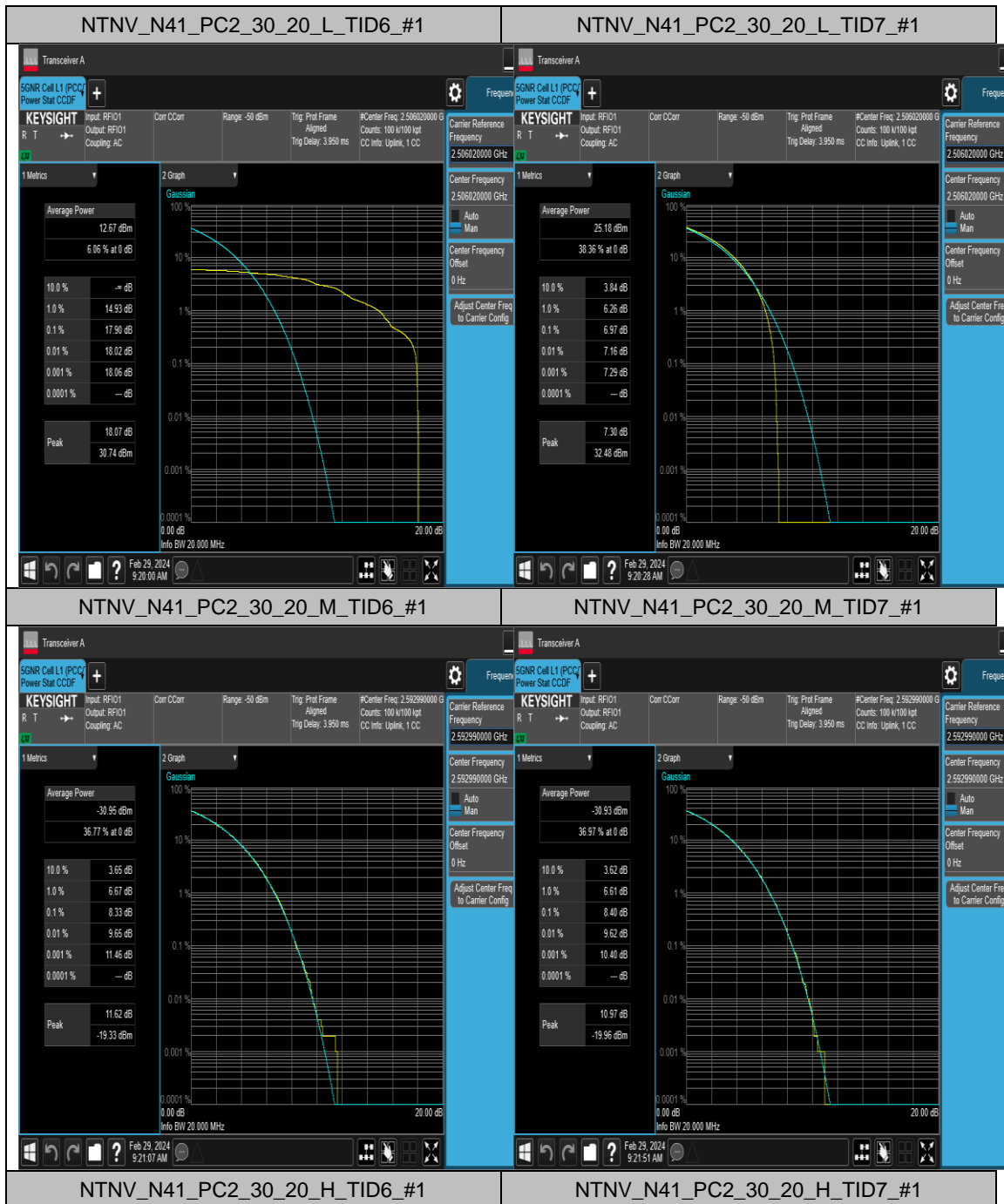
Appendix B: Peak-to-Average Ratio for SA

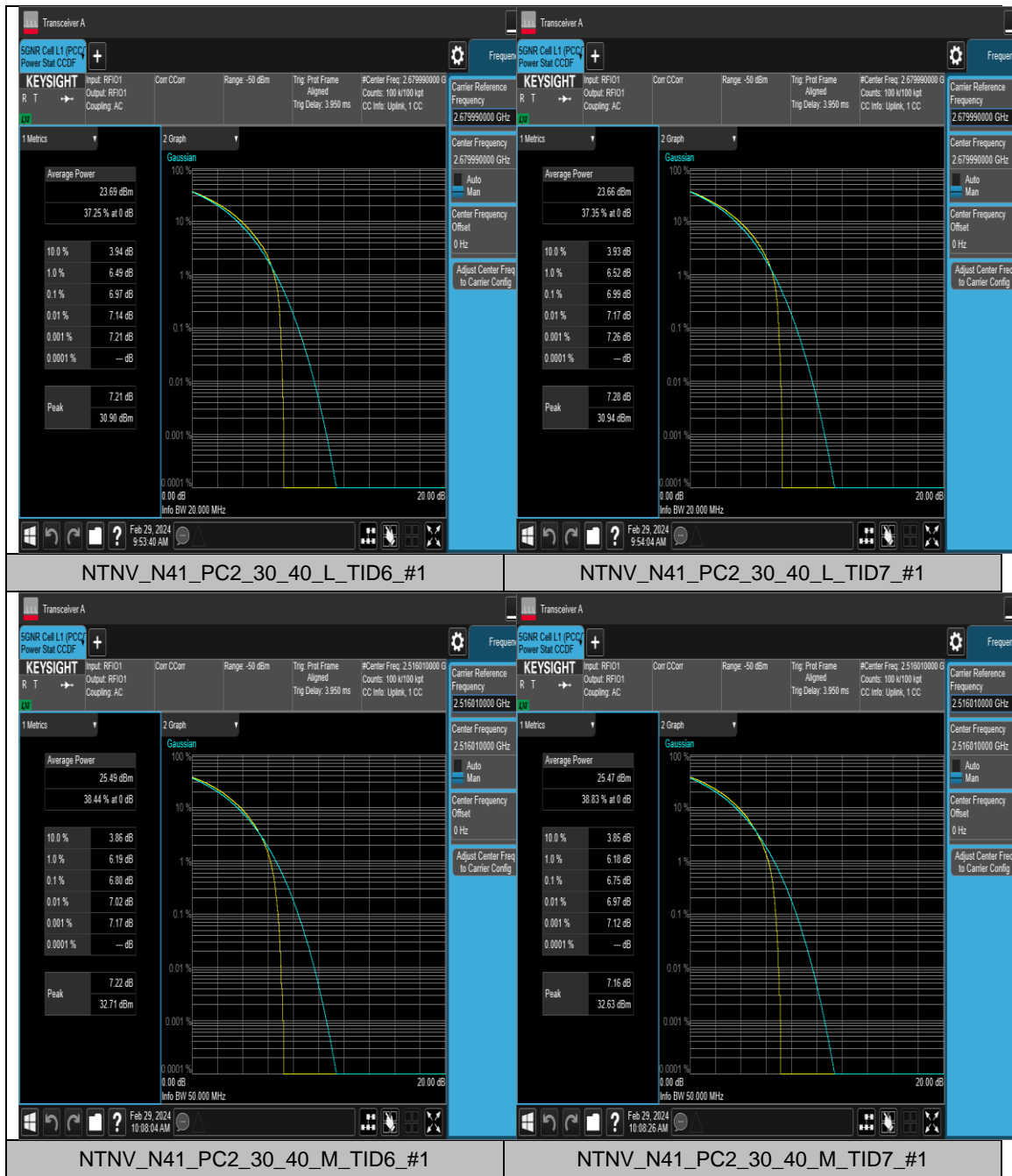
Peak-to-Average Ratio(CCDF)

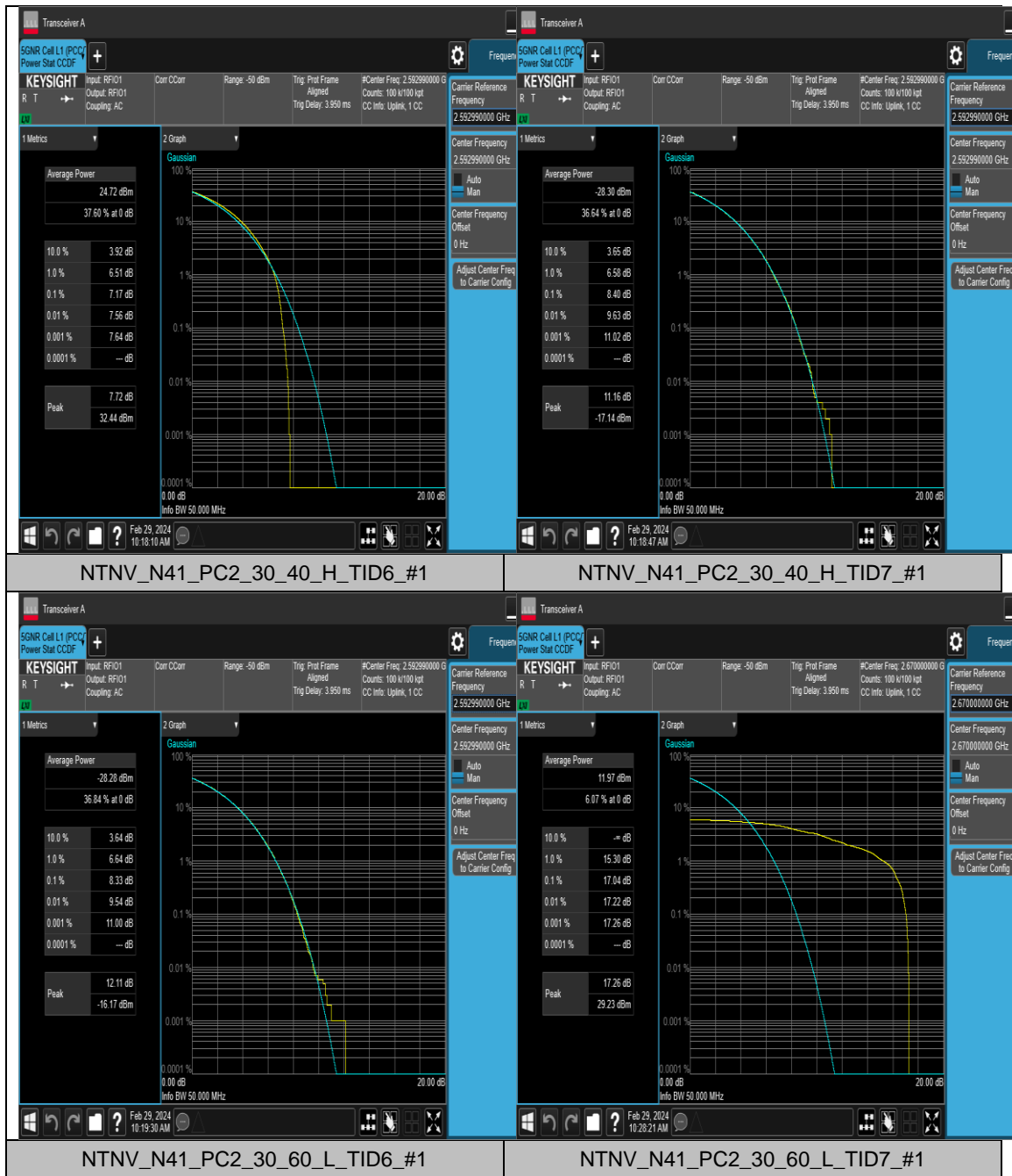
Test Result

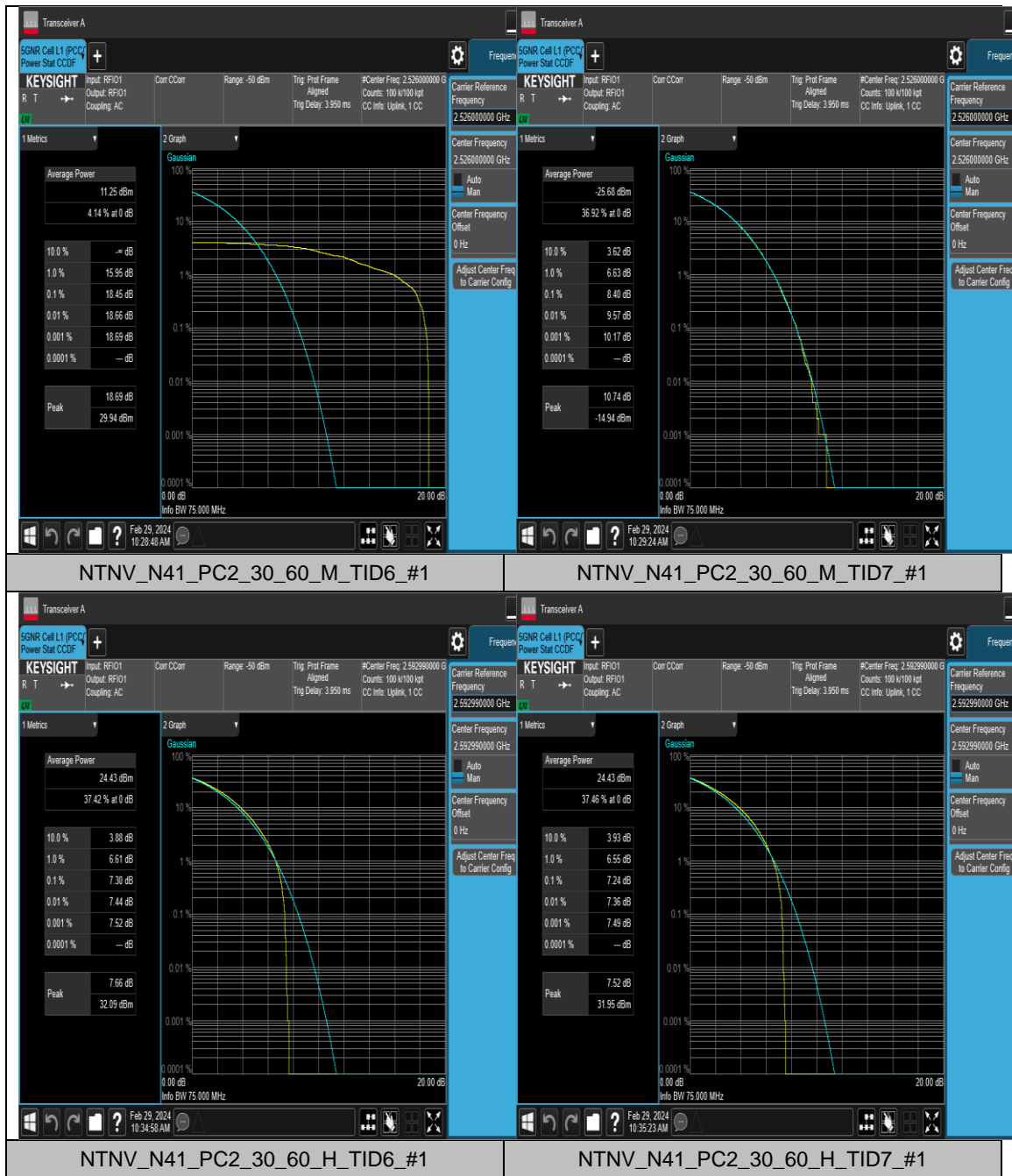
Band	SCS	Bandwidth	Modulation	Channel	RB Config	Result	Limit	Verdict
N41	30	20	CP-QPSK	L	Outer_Full	17.90	≤13	PASS
N41	30	20	CP-16QAM	L	Outer_Full	6.97	≤13	PASS
N41	30	20	CP-QPSK	M	Outer_Full	8.33	≤13	PASS
N41	30	20	CP-16QAM	M	Outer_Full	8.40	≤13	PASS
N41	30	20	CP-QPSK	H	Outer_Full	6.97	≤13	PASS
N41	30	20	CP-16QAM	H	Outer_Full	6.99	≤13	PASS
N41	30	40	CP-QPSK	L	Outer_Full	6.80	≤13	PASS
N41	30	40	CP-16QAM	L	Outer_Full	6.75	≤13	PASS
N41	30	40	CP-QPSK	M	Outer_Full	7.17	≤13	PASS
N41	30	40	CP-16QAM	M	Outer_Full	8.40	≤13	PASS
N41	30	40	CP-QPSK	H	Outer_Full	8.33	≤13	PASS
N41	30	40	CP-16QAM	H	Outer_Full	17.04	≤13	PASS
N41	30	60	CP-QPSK	L	Outer_Full	18.45	≤13	PASS
N41	30	60	CP-16QAM	L	Outer_Full	8.40	≤13	PASS
N41	30	60	CP-QPSK	M	Outer_Full	7.30	≤13	PASS
N41	30	60	CP-16QAM	M	Outer_Full	7.24	≤13	PASS
N41	30	60	CP-QPSK	H	Outer_Full	8.45	≤13	PASS
N41	30	60	CP-16QAM	H	Outer_Full	8.38	≤13	PASS
N41	30	100	CP-QPSK	L	Outer_Full	7.22	≤13	PASS
N41	30	100	CP-16QAM	L	Outer_Full	7.32	≤13	PASS
N41	30	100	CP-QPSK	M	Outer_Full	7.18	≤13	PASS
N41	30	100	CP-16QAM	M	Outer_Full	7.19	≤13	PASS
N41	30	100	CP-QPSK	H	Outer_Full	7.40	≤13	PASS
N41	30	100	CP-16QAM	H	Outer_Full	7.33	≤13	PASS

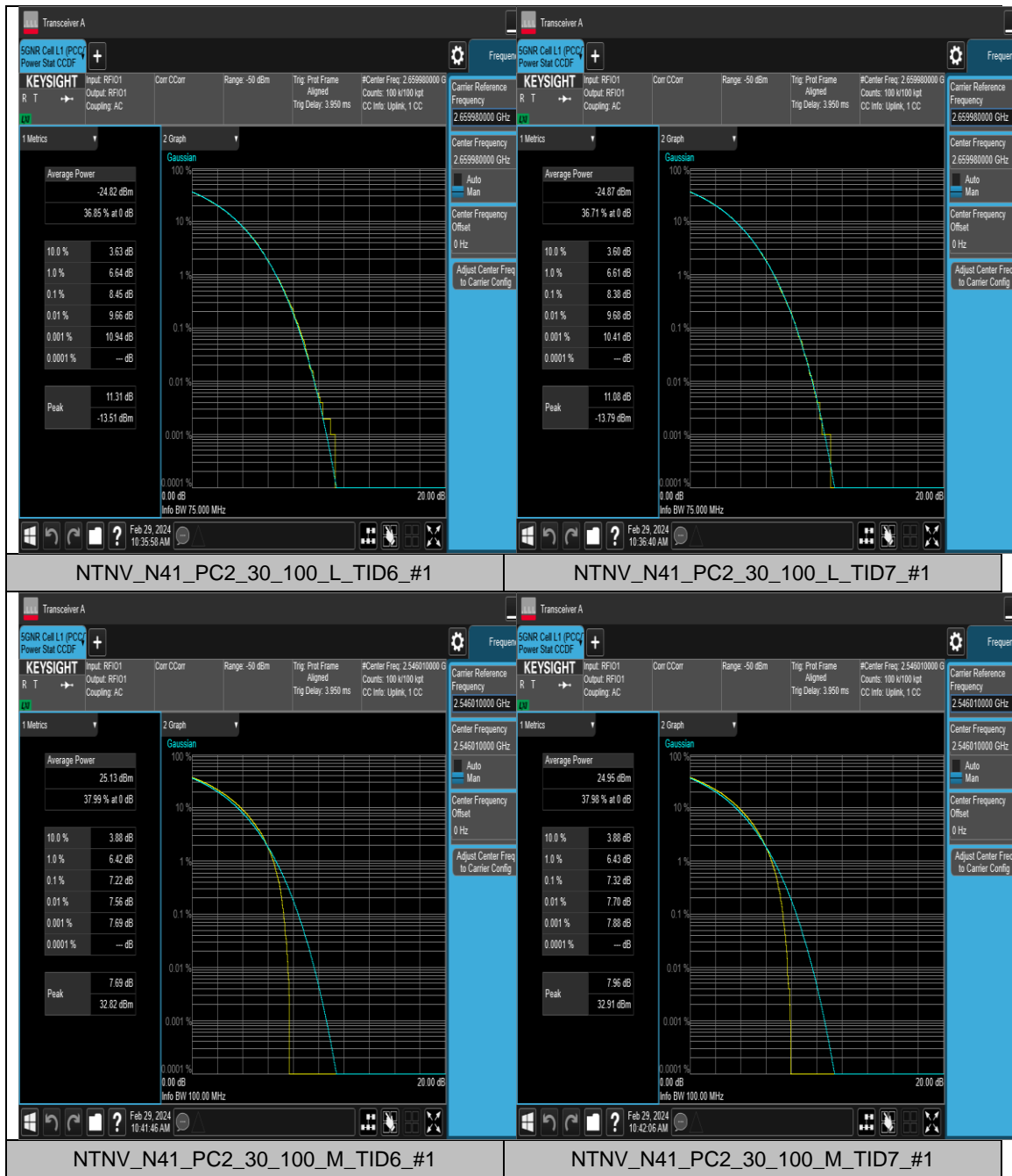
Test Graphs

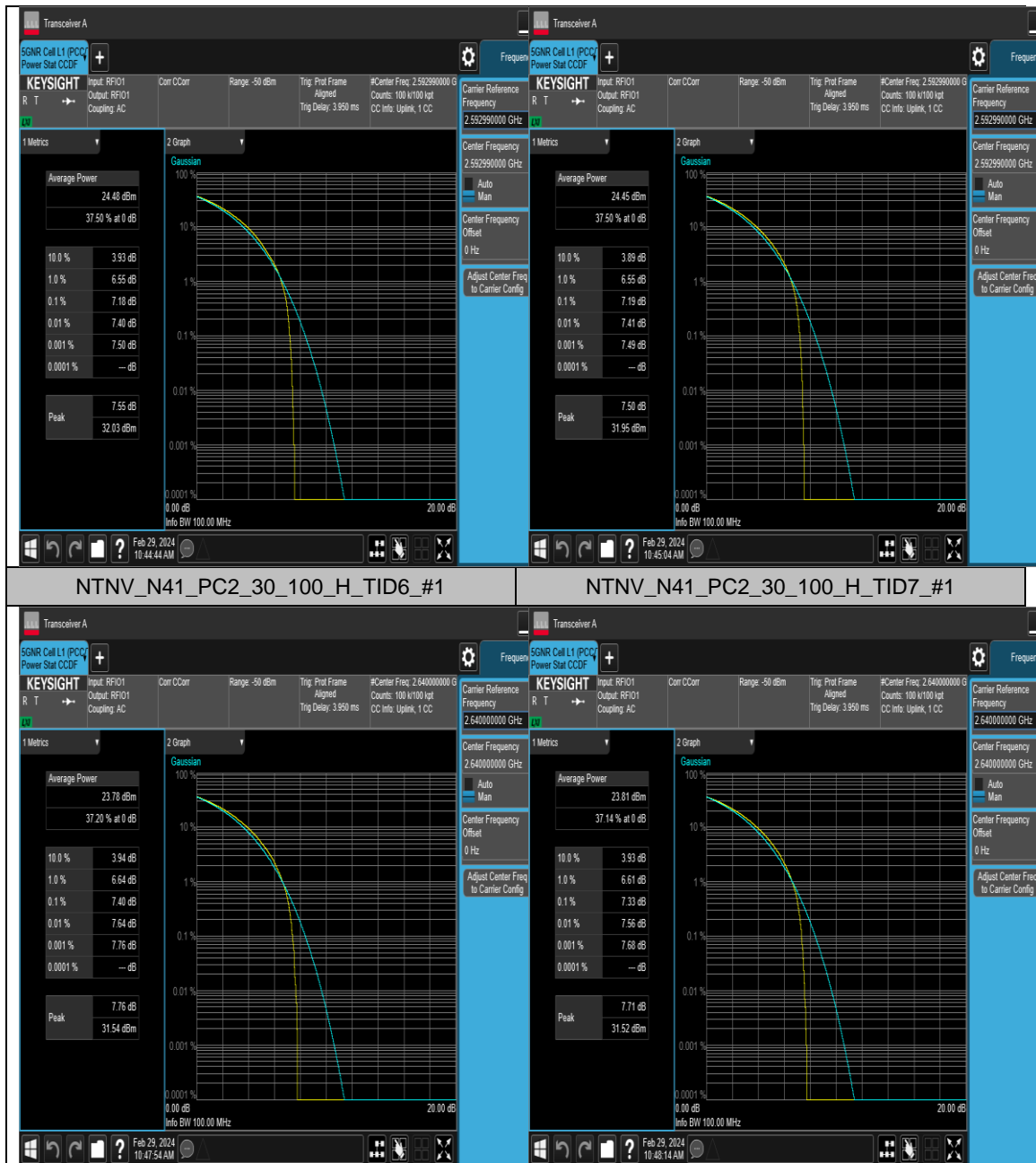










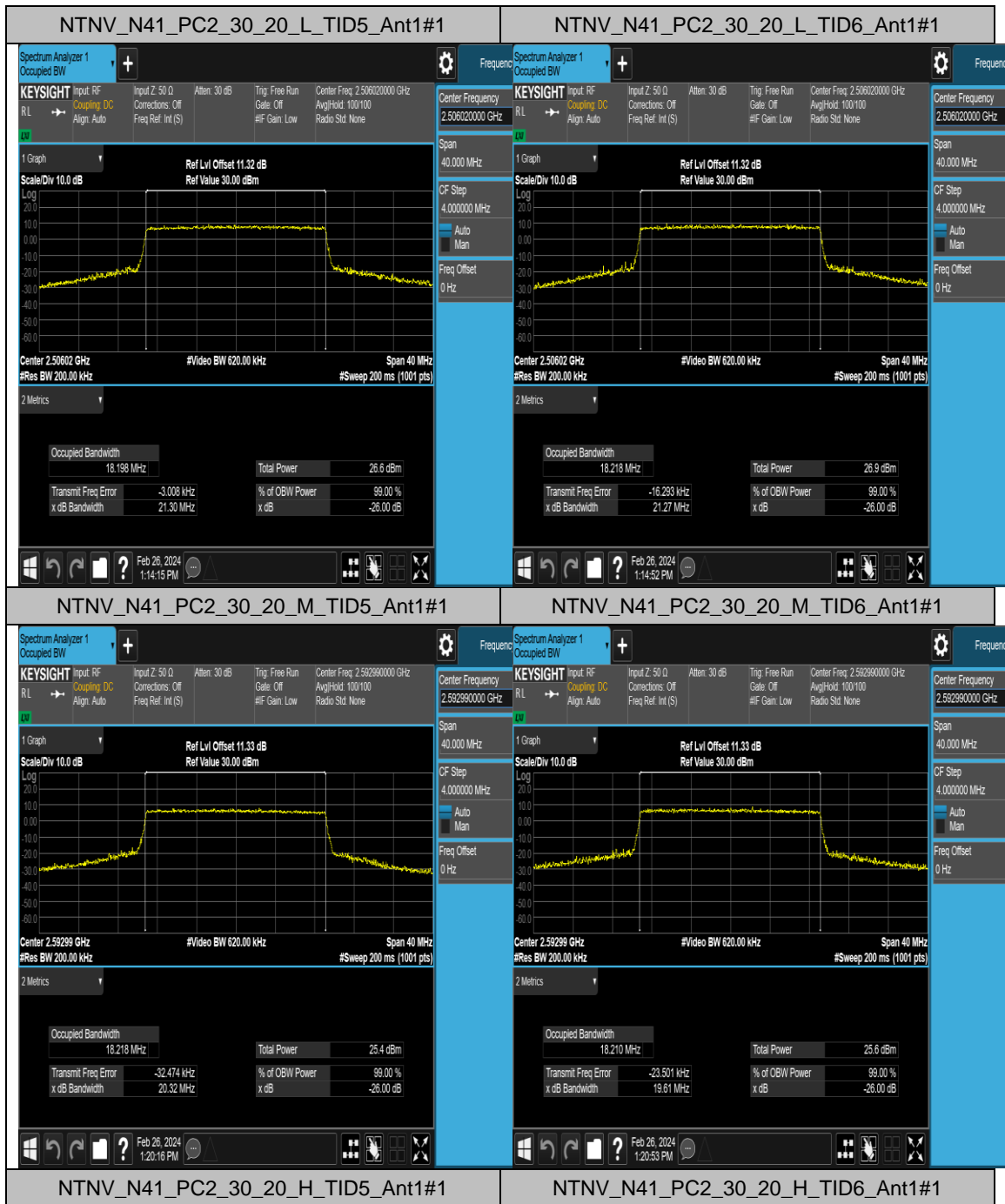


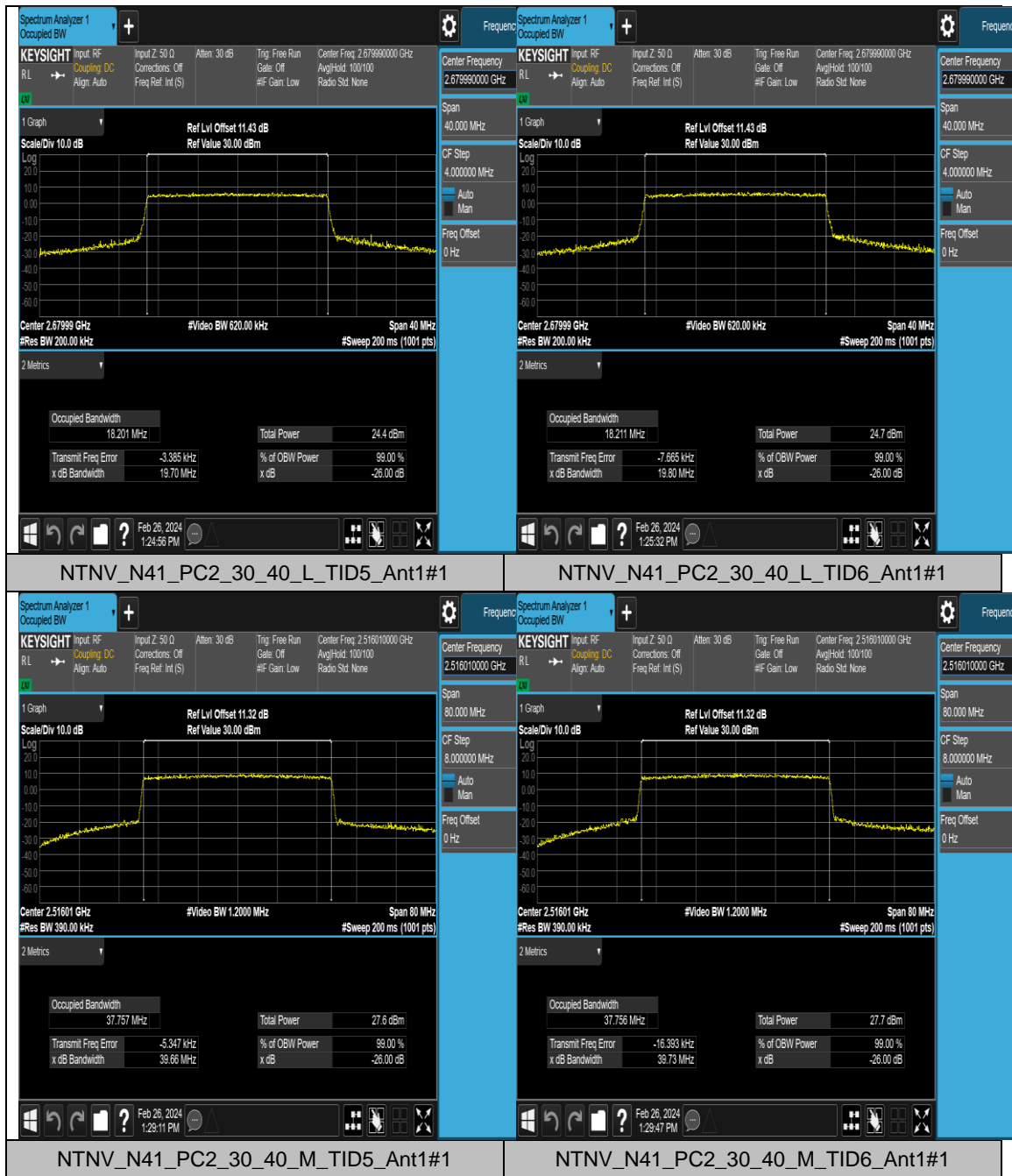
Appendix C: 26dB Bandwidth and Occupied Bandwidth for SA

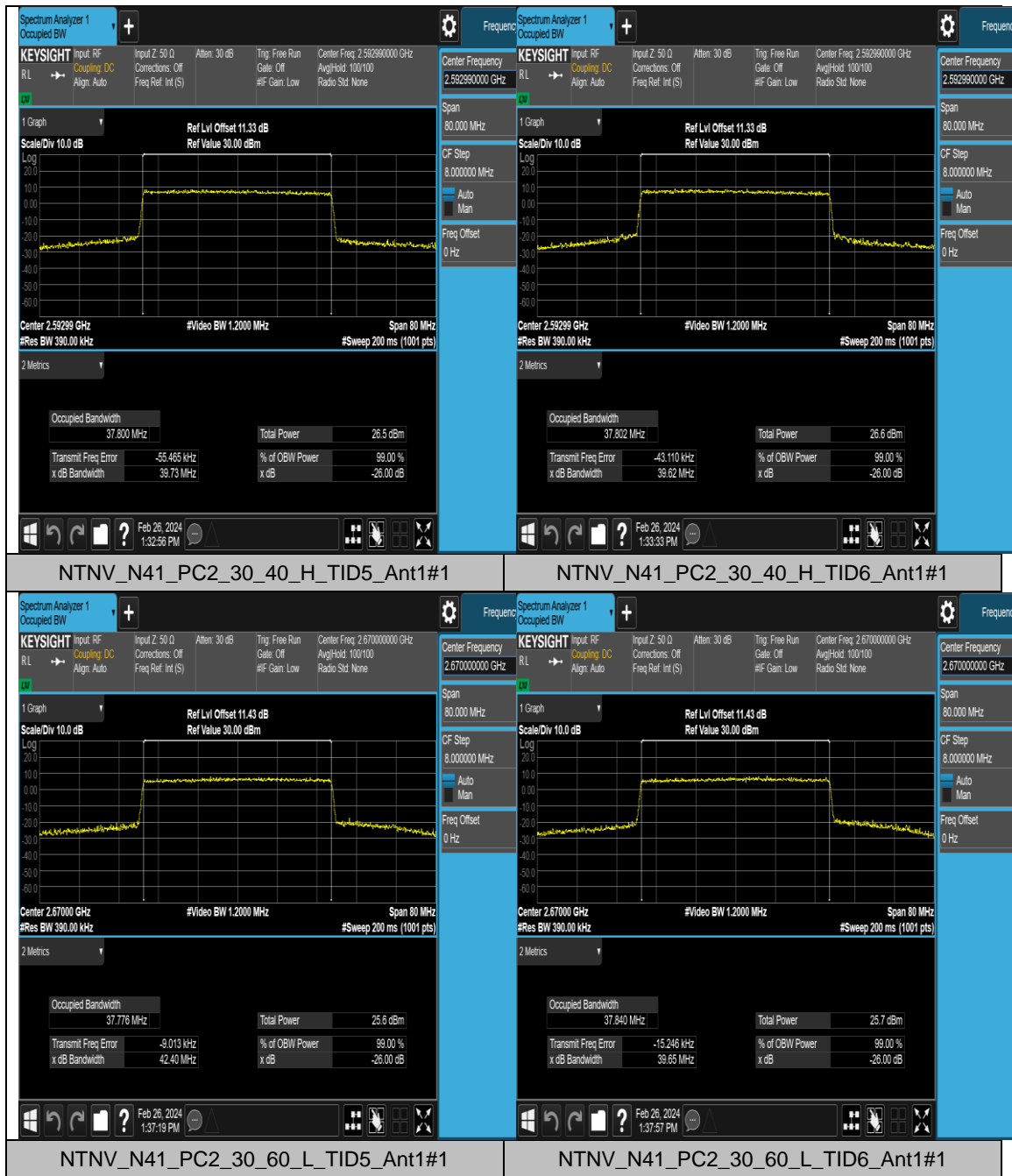
Test Result

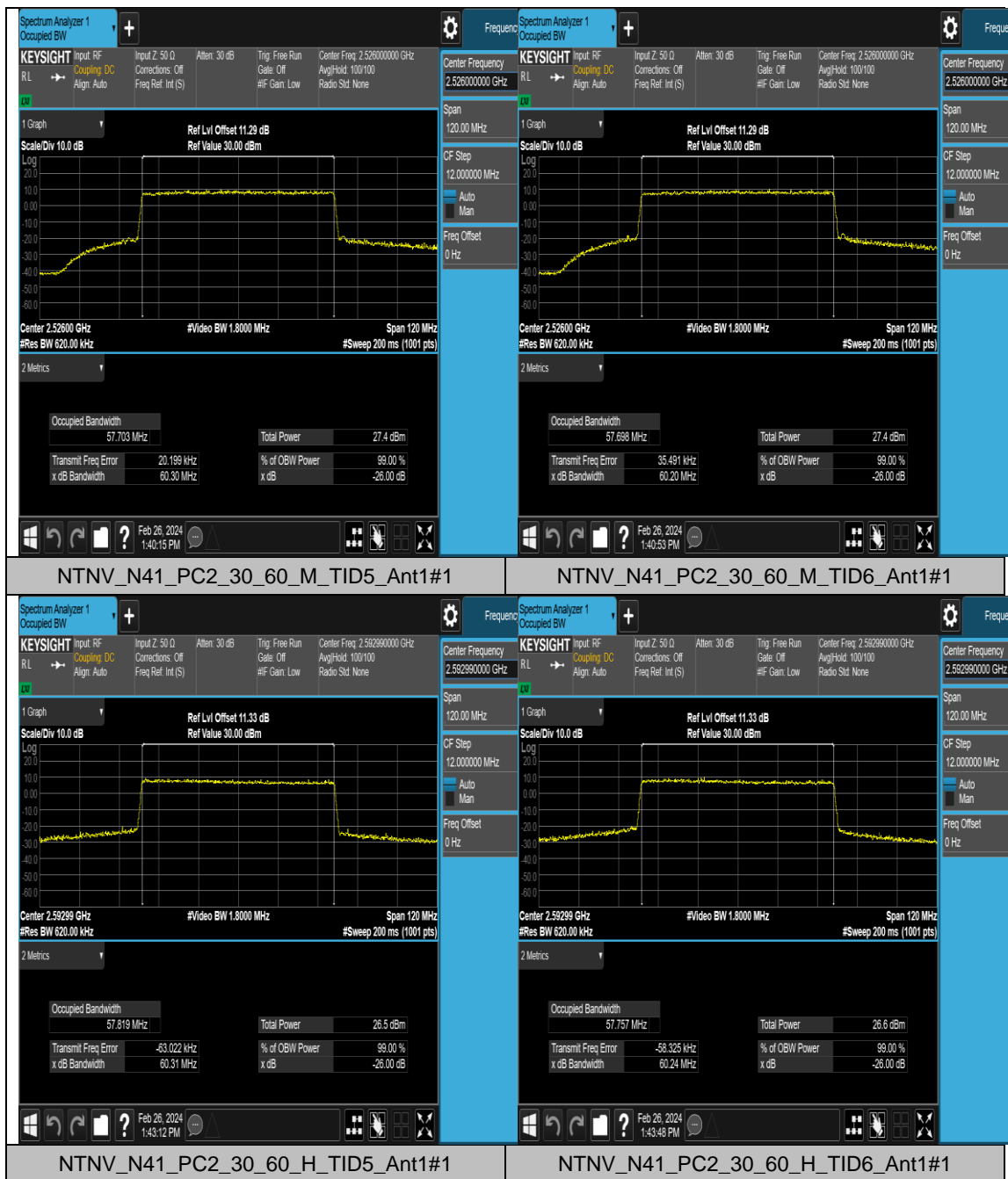
Band	SCS	Bandwidth	Modulation	Channel	RB Config	Result (99%)	Result (26dB)	Verdict
N41	30	20	CP-QPSK	L	Outer_Full	18.198	21.30	PASS
N41	30	20	CP-16QAM	L	Outer_Full	18.218	21.27	PASS
N41	30	20	CP-QPSK	M	Outer_Full	18.218	20.32	PASS
N41	30	20	CP-16QAM	M	Outer_Full	18.210	19.61	PASS
N41	30	20	CP-QPSK	H	Outer_Full	18.201	19.70	PASS
N41	30	20	CP-16QAM	H	Outer_Full	18.211	19.80	PASS
N41	30	40	CP-QPSK	L	Outer_Full	37.757	39.66	PASS
N41	30	40	CP-16QAM	L	Outer_Full	37.756	39.73	PASS
N41	30	40	CP-QPSK	M	Outer_Full	37.800	39.73	PASS
N41	30	40	CP-16QAM	M	Outer_Full	37.802	39.62	PASS
N41	30	40	CP-QPSK	H	Outer_Full	37.776	42.40	PASS
N41	30	40	CP-16QAM	H	Outer_Full	37.840	39.65	PASS
N41	30	60	CP-QPSK	L	Outer_Full	57.703	60.30	PASS
N41	30	60	CP-16QAM	L	Outer_Full	57.698	60.20	PASS
N41	30	60	CP-QPSK	M	Outer_Full	57.819	60.31	PASS
N41	30	60	CP-16QAM	M	Outer_Full	57.757	60.24	PASS
N41	30	60	CP-QPSK	H	Outer_Full	57.837	60.28	PASS
N41	30	60	CP-16QAM	H	Outer_Full	57.871	60.14	PASS
N41	30	100	CP-QPSK	L	Outer_Full	96.956	100.6	PASS
N41	30	100	CP-16QAM	L	Outer_Full	97.083	100.8	PASS
N41	30	100	CP-QPSK	M	Outer_Full	97.181	100.7	PASS
N41	30	100	CP-16QAM	M	Outer_Full	97.238	100.7	PASS
N41	30	100	CP-QPSK	H	Outer_Full	97.248	100.8	PASS
N41	30	100	CP-16QAM	H	Outer_Full	97.418	100.8	PASS

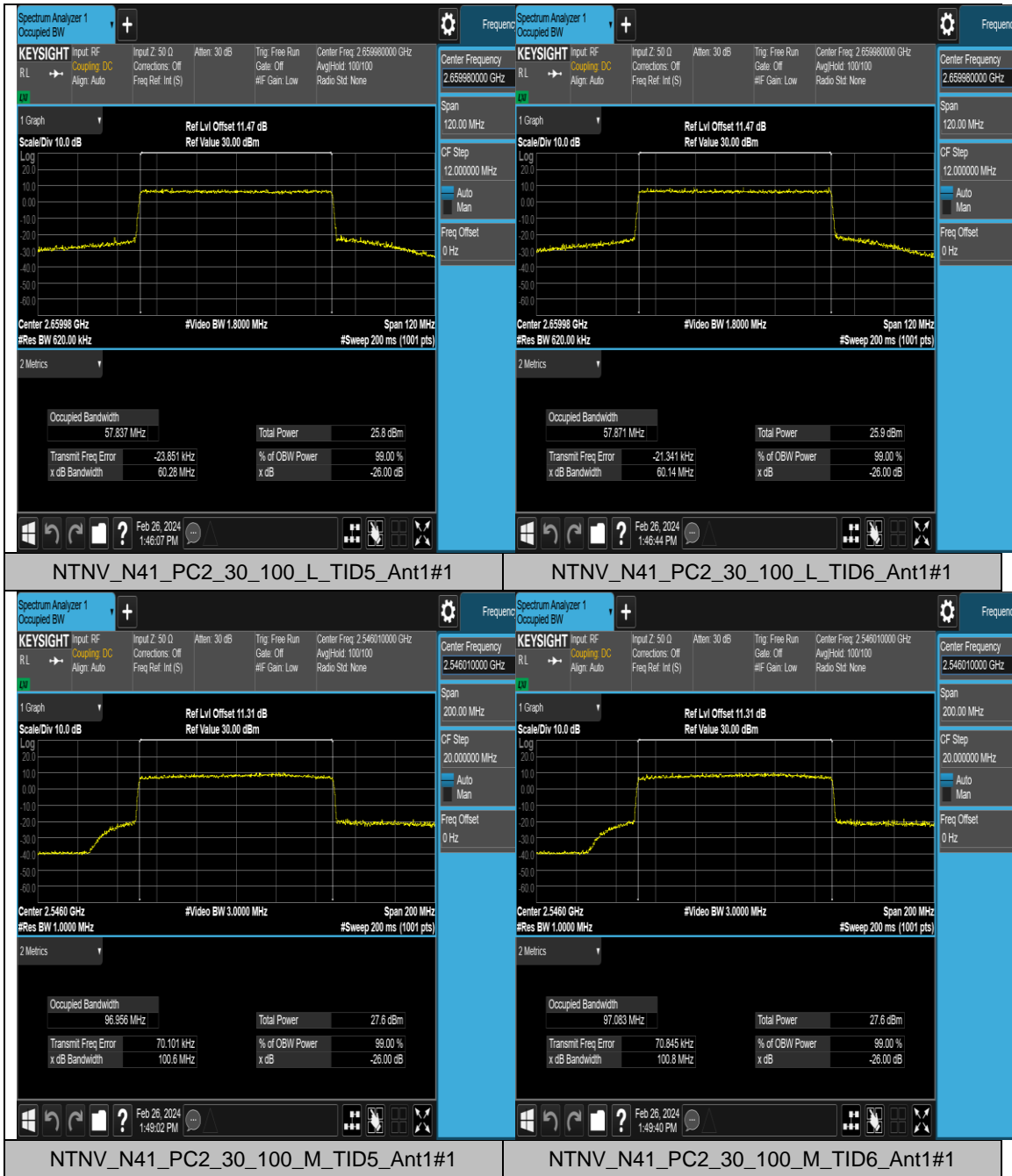
Test Graphs

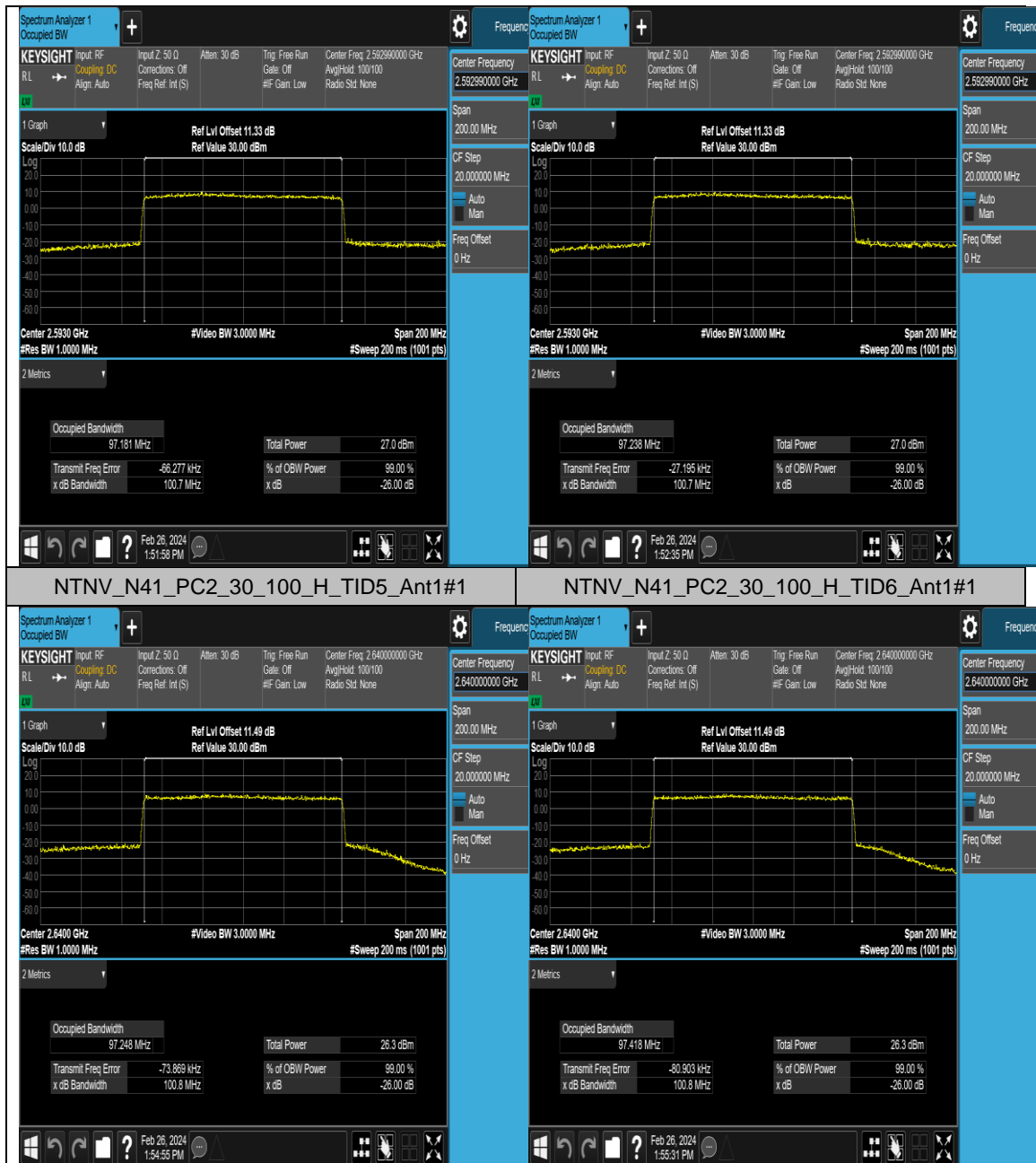












Appendix D: Band Edge for SA

Test Result

Band	SCS	Bandwidth	Modulation	Channel	RB Config	Verdict
N41	30	20	CP-QPSK	L	Outer_Full	PASS
N41	30	20	CP-QPSK	L	Edge_1RB_Left	PASS
N41	30	20	DFT-16QAM	L	Outer_Full	PASS
N41	30	20	DFT-16QAM	L	Edge_1RB_Left	PASS
N41	30	20	CP-QPSK	H	Outer_Full	PASS
N41	30	20	CP-QPSK	H	Edge_1RB_Right	PASS
N41	30	20	DFT-16QAM	H	Outer_Full	PASS
N41	30	20	DFT-16QAM	H	Edge_1RB_Right	PASS
N41	30	40	CP-QPSK	L	Outer_Full	PASS
N41	30	40	CP-QPSK	L	Edge_1RB_Left	PASS
N41	30	40	DFT-16QAM	L	Outer_Full	PASS
N41	30	40	DFT-16QAM	L	Edge_1RB_Left	PASS
N41	30	40	CP-QPSK	H	Outer_Full	PASS
N41	30	40	CP-QPSK	H	Edge_1RB_Right	PASS
N41	30	40	DFT-16QAM	H	Outer_Full	PASS
N41	30	40	DFT-16QAM	H	Edge_1RB_Right	PASS
N41	30	60	DFT-16QAM	L	Outer_Full	PASS
N41	30	60	DFT-16QAM	L	Edge_1RB_Left	PASS
N41	30	60	CP-QPSK	L	Outer_Full	PASS
N41	30	60	CP-QPSK	L	Edge_1RB_Left	PASS
N41	30	60	CP-QPSK	H	Outer_Full	PASS
N41	30	60	CP-QPSK	H	Edge_1RB_Right	PASS
N41	30	60	DFT-16QAM	H	Outer_Full	PASS
N41	30	60	DFT-16QAM	H	Edge_1RB_Right	PASS
N41	30	100	CP-QPSK	L	Outer_Full	PASS
N41	30	100	CP-QPSK	L	Edge_1RB_Left	PASS
N41	30	100	DFT-16QAM	L	Outer_Full	PASS
N41	30	100	DFT-16QAM	L	Edge_1RB_Left	PASS
N41	30	100	CP-QPSK	H	Outer_Full	PASS
N41	30	100	CP-QPSK	H	Edge_1RB_Right	PASS
N41	30	100	DFT-16QAM	H	Outer_Full	PASS
N41	30	100	DFT-16QAM	H	Edge_1RB_Right	PASS

Test Graphs

