

Appendix for N5

Product Name: Smart Phone

Model No: K50

Appendix A: Average Power Output

Test Result

Band	SCS	Bandwidth	Modulation	Channel	RB Config	Power (dBm)	Power Class	Verdict
N5	15	5	DFT-QPSK	L	Outer_Full	23.52	PC3	PASS
N5	15	5	DFT-QPSK	L	Inner_Full	24.53	PC3	PASS
N5	15	5	DFT-QPSK	L	Edge_1RB_Left	23.33	PC3	PASS
N5	15	5	DFT-QPSK	L	Edge_1RB_Right	23.47	PC3	PASS
N5	15	5	DFT-16QAM	L	Outer_Full	22.50	PC3	PASS
N5	15	5	DFT-16QAM	L	Inner_Full	23.53	PC3	PASS
N5	15	5	DFT-16QAM	L	Edge_1RB_Left	22.61	PC3	PASS
N5	15	5	DFT-16QAM	L	Edge_1RB_Right	22.66	PC3	PASS
N5	15	5	DFT-QPSK	M	Outer_Full	23.65	PC3	PASS
N5	15	5	DFT-QPSK	M	Inner_Full	24.64	PC3	PASS
N5	15	5	DFT-QPSK	M	Edge_1RB_Left	23.56	PC3	PASS
N5	15	5	DFT-QPSK	M	Edge_1RB_Right	23.51	PC3	PASS
N5	15	5	DFT-16QAM	M	Outer_Full	22.58	PC3	PASS
N5	15	5	DFT-16QAM	M	Inner_Full	23.65	PC3	PASS
N5	15	5	DFT-16QAM	M	Edge_1RB_Left	22.76	PC3	PASS
N5	15	5	DFT-16QAM	M	Edge_1RB_Right	22.77	PC3	PASS
N5	15	5	DFT-QPSK	H	Outer_Full	23.69	PC3	PASS
N5	15	5	DFT-QPSK	H	Inner_Full	24.74	PC3	PASS
N5	15	5	DFT-QPSK	H	Edge_1RB_Left	23.54	PC3	PASS
N5	15	5	DFT-QPSK	H	Edge_1RB_Right	23.49	PC3	PASS
N5	15	5	DFT-16QAM	H	Outer_Full	22.61	PC3	PASS
N5	15	5	DFT-16QAM	H	Inner_Full	23.76	PC3	PASS
N5	15	5	DFT-16QAM	H	Edge_1RB_Left	22.78	PC3	PASS
N5	15	5	DFT-16QAM	H	Edge_1RB_Right	22.75	PC3	PASS
N5	15	10	DFT-QPSK	L	Outer_Full	23.46	PC3	PASS
N5	15	10	DFT-QPSK	L	Inner_Full	24.49	PC3	PASS
N5	15	10	DFT-QPSK	L	Edge_1RB_Left	23.40	PC3	PASS
N5	15	10	DFT-QPSK	L	Edge_1RB_Right	23.46	PC3	PASS
N5	15	10	DFT-16QAM	L	Outer_Full	22.44	PC3	PASS
N5	15	10	DFT-16QAM	L	Inner_Full	23.48	PC3	PASS
N5	15	10	DFT-16QAM	L	Edge_1RB_Left	22.66	PC3	PASS
N5	15	10	DFT-16QAM	L	Edge_1RB_Right	22.75	PC3	PASS
N5	15	10	DFT-QPSK	M	Outer_Full	23.59	PC3	PASS
N5	15	10	DFT-QPSK	M	Inner_Full	24.58	PC3	PASS
N5	15	10	DFT-QPSK	M	Edge_1RB_Left	23.43	PC3	PASS
N5	15	10	DFT-QPSK	M	Edge_1RB_Right	23.55	PC3	PASS

N5	15	10	DFT-16QAM	M	Outer_Full	22.64	PC3	PASS
N5	15	10	DFT-16QAM	M	Inner_Full	23.56	PC3	PASS
N5	15	10	DFT-16QAM	M	Edge_1RB_Left	22.69	PC3	PASS
N5	15	10	DFT-16QAM	M	Edge_1RB_Right	22.83	PC3	PASS
N5	15	10	DFT-QPSK	H	Outer_Full	23.66	PC3	PASS
N5	15	10	DFT-QPSK	H	Inner_Full	24.65	PC3	PASS
N5	15	10	DFT-QPSK	H	Edge_1RB_Left	23.66	PC3	PASS
N5	15	10	DFT-QPSK	H	Edge_1RB_Right	23.56	PC3	PASS
N5	15	10	DFT-16QAM	H	Outer_Full	22.64	PC3	PASS
N5	15	10	DFT-16QAM	H	Inner_Full	23.63	PC3	PASS
N5	15	10	DFT-16QAM	H	Edge_1RB_Left	22.84	PC3	PASS
N5	15	10	DFT-16QAM	H	Edge_1RB_Right	22.84	PC3	PASS
N5	15	15	DFT-QPSK	L	Outer_Full	23.49	PC3	PASS
N5	15	15	DFT-QPSK	L	Inner_Full	24.47	PC3	PASS
N5	15	15	DFT-QPSK	L	Edge_1RB_Left	23.35	PC3	PASS
N5	15	15	DFT-QPSK	L	Edge_1RB_Right	23.54	PC3	PASS
N5	15	15	DFT-16QAM	L	Outer_Full	22.52	PC3	PASS
N5	15	15	DFT-16QAM	L	Inner_Full	23.52	PC3	PASS
N5	15	15	DFT-16QAM	L	Edge_1RB_Left	22.50	PC3	PASS
N5	15	15	DFT-16QAM	L	Edge_1RB_Right	22.88	PC3	PASS
N5	15	15	DFT-QPSK	M	Outer_Full	23.57	PC3	PASS
N5	15	15	DFT-QPSK	M	Inner_Full	24.53	PC3	PASS
N5	15	15	DFT-QPSK	M	Edge_1RB_Left	23.45	PC3	PASS
N5	15	15	DFT-QPSK	M	Edge_1RB_Right	23.49	PC3	PASS
N5	15	15	DFT-16QAM	M	Outer_Full	22.59	PC3	PASS
N5	15	15	DFT-16QAM	M	Inner_Full	23.59	PC3	PASS
N5	15	15	DFT-16QAM	M	Edge_1RB_Left	22.58	PC3	PASS
N5	15	15	DFT-16QAM	M	Edge_1RB_Right	22.66	PC3	PASS
N5	15	15	DFT-QPSK	H	Outer_Full	23.62	PC3	PASS
N5	15	15	DFT-QPSK	H	Inner_Full	24.65	PC3	PASS
N5	15	15	DFT-QPSK	H	Edge_1RB_Left	23.59	PC3	PASS
N5	15	15	DFT-QPSK	H	Edge_1RB_Right	23.56	PC3	PASS
N5	15	15	DFT-16QAM	H	Outer_Full	22.66	PC3	PASS
N5	15	15	DFT-16QAM	H	Inner_Full	23.72	PC3	PASS
N5	15	15	DFT-16QAM	H	Edge_1RB_Left	22.74	PC3	PASS
N5	15	15	DFT-16QAM	H	Edge_1RB_Right	22.89	PC3	PASS
N5	15	20	DFT-QPSK	L	Outer_Full	23.52	PC3	PASS
N5	15	20	DFT-QPSK	L	Inner_Full	24.83	PC3	PASS
N5	15	20	DFT-QPSK	L	Edge_1RB_Left	23.36	PC3	PASS
N5	15	20	DFT-QPSK	L	Edge_1RB_Right	23.54	PC3	PASS
N5	15	20	DFT-16QAM	L	Outer_Full	22.52	PC3	PASS
N5	15	20	DFT-16QAM	L	Inner_Full	23.54	PC3	PASS

N5	15	20	DFT-16QAM	L	Edge_1RB_Left	22.58	PC3	PASS
N5	15	20	DFT-16QAM	L	Edge_1RB_Right	22.81	PC3	PASS
N5	15	20	DFT-QPSK	M	Outer_Full	23.52	PC3	PASS
N5	15	20	DFT-QPSK	M	Inner_Full	24.61	PC3	PASS
N5	15	20	DFT-QPSK	M	Edge_1RB_Left	23.35	PC3	PASS
N5	15	20	DFT-QPSK	M	Edge_1RB_Right	23.53	PC3	PASS
N5	15	20	DFT-16QAM	M	Outer_Full	22.58	PC3	PASS
N5	15	20	DFT-16QAM	M	Inner_Full	23.63	PC3	PASS
N5	15	20	DFT-16QAM	M	Edge_1RB_Left	22.61	PC3	PASS
N5	15	20	DFT-16QAM	M	Edge_1RB_Right	22.73	PC3	PASS
N5	15	20	DFT-QPSK	H	Outer_Full	23.55	PC3	PASS
N5	15	20	DFT-QPSK	H	Inner_Full	24.62	PC3	PASS
N5	15	20	DFT-QPSK	H	Edge_1RB_Left	23.44	PC3	PASS
N5	15	20	DFT-QPSK	H	Edge_1RB_Right	23.44	PC3	PASS
N5	15	20	DFT-16QAM	H	Outer_Full	22.59	PC3	PASS
N5	15	20	DFT-16QAM	H	Inner_Full	23.63	PC3	PASS
N5	15	20	DFT-16QAM	H	Edge_1RB_Left	22.72	PC3	PASS
N5	15	20	DFT-16QAM	H	Edge_1RB_Right	22.76	PC3	PASS

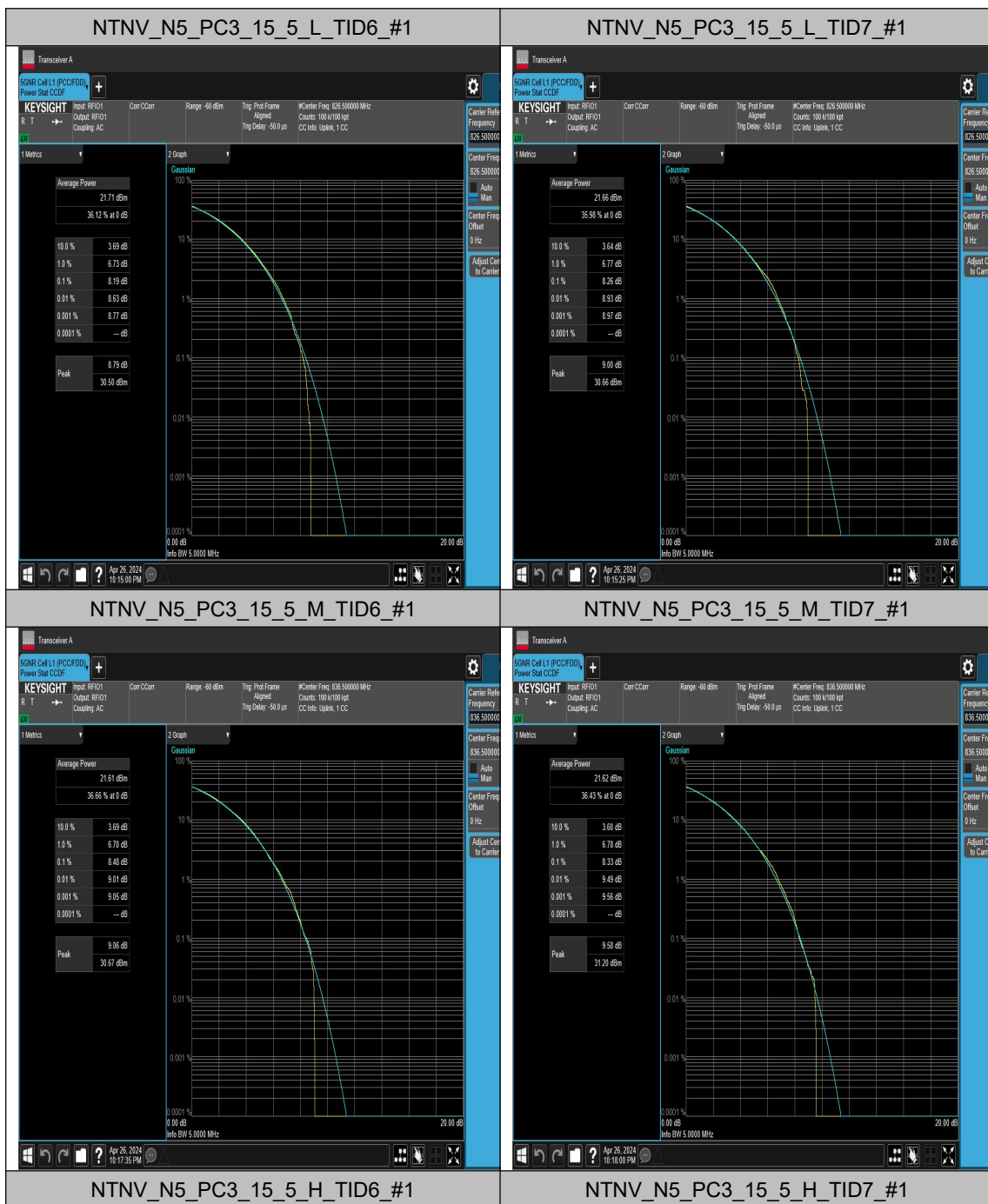
Appendix B: Peak-to-Average Ratio for SA

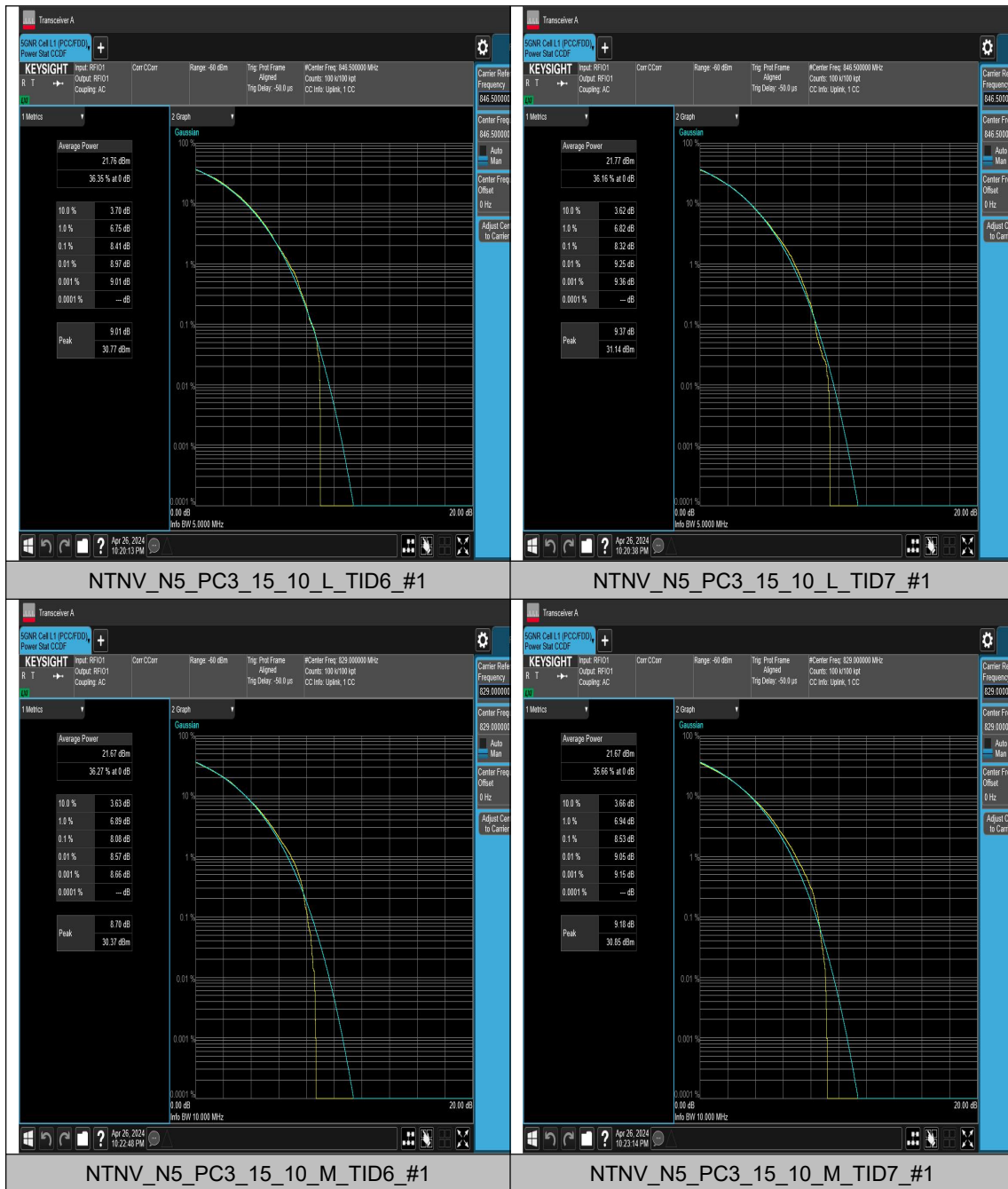
Peak-to-Average Ratio(CCDF)

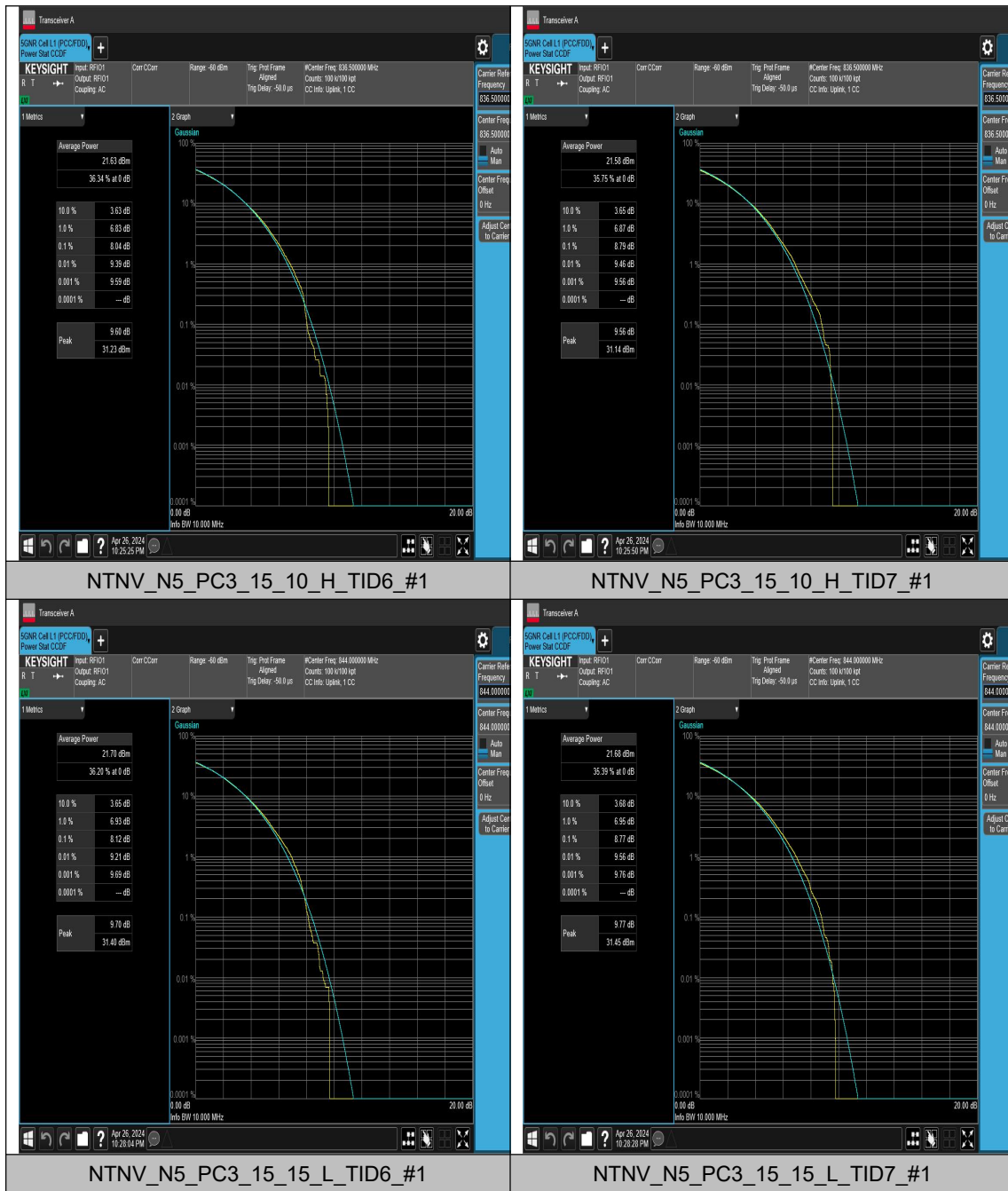
Test Result

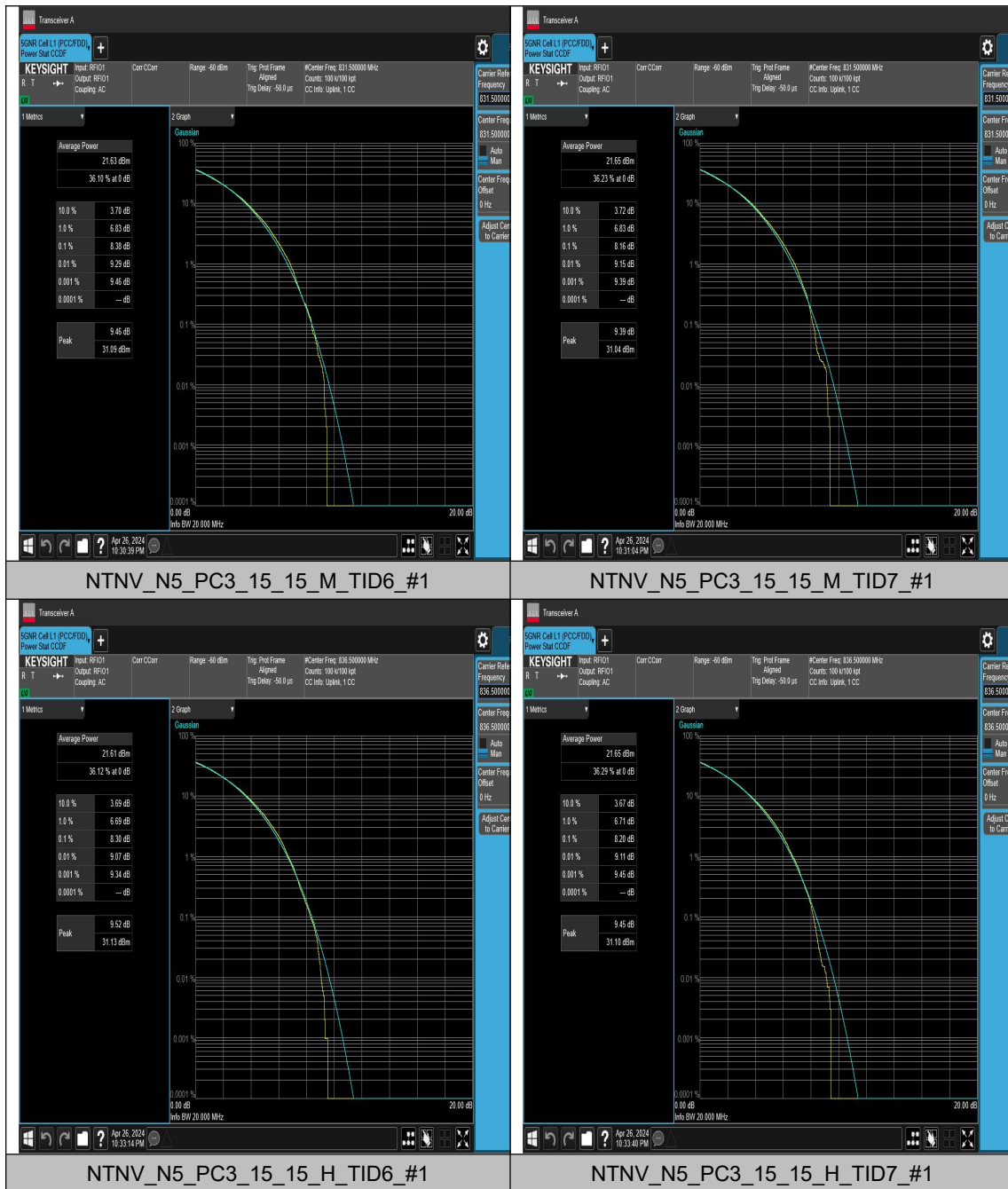
Band	SCS	Bandwidth	Modulation	Channel	RB Config	Result	Limit	Verdict
N5	15	5	DFT-QPSK	L	Outer_Full	8.19	≤13	PASS
N5	15	5	DFT-16QAM	L	Outer_Full	8.26	≤13	PASS
N5	15	5	DFT-QPSK	M	Outer_Full	8.48	≤13	PASS
N5	15	5	DFT-16QAM	M	Outer_Full	8.33	≤13	PASS
N5	15	5	DFT-QPSK	H	Outer_Full	8.41	≤13	PASS
N5	15	5	DFT-16QAM	H	Outer_Full	8.32	≤13	PASS
N5	15	10	DFT-QPSK	L	Outer_Full	8.08	≤13	PASS
N5	15	10	DFT-16QAM	L	Outer_Full	8.53	≤13	PASS
N5	15	10	DFT-QPSK	M	Outer_Full	8.04	≤13	PASS
N5	15	10	DFT-16QAM	M	Outer_Full	8.79	≤13	PASS
N5	15	10	DFT-QPSK	H	Outer_Full	8.12	≤13	PASS
N5	15	10	DFT-16QAM	H	Outer_Full	8.77	≤13	PASS
N5	15	15	DFT-QPSK	L	Outer_Full	8.38	≤13	PASS
N5	15	15	DFT-16QAM	L	Outer_Full	8.16	≤13	PASS
N5	15	15	DFT-QPSK	M	Outer_Full	8.30	≤13	PASS
N5	15	15	DFT-16QAM	M	Outer_Full	8.20	≤13	PASS
N5	15	15	DFT-QPSK	H	Outer_Full	8.57	≤13	PASS
N5	15	15	DFT-16QAM	H	Outer_Full	8.37	≤13	PASS
N5	15	20	DFT-QPSK	L	Outer_Full	8.36	≤13	PASS
N5	15	20	DFT-16QAM	L	Outer_Full	8.33	≤13	PASS
N5	15	20	DFT-QPSK	M	Outer_Full	8.46	≤13	PASS
N5	15	20	DFT-16QAM	M	Outer_Full	8.38	≤13	PASS
N5	15	20	DFT-QPSK	H	Outer_Full	8.40	≤13	PASS
N5	15	20	DFT-16QAM	H	Outer_Full	8.35	≤13	PASS

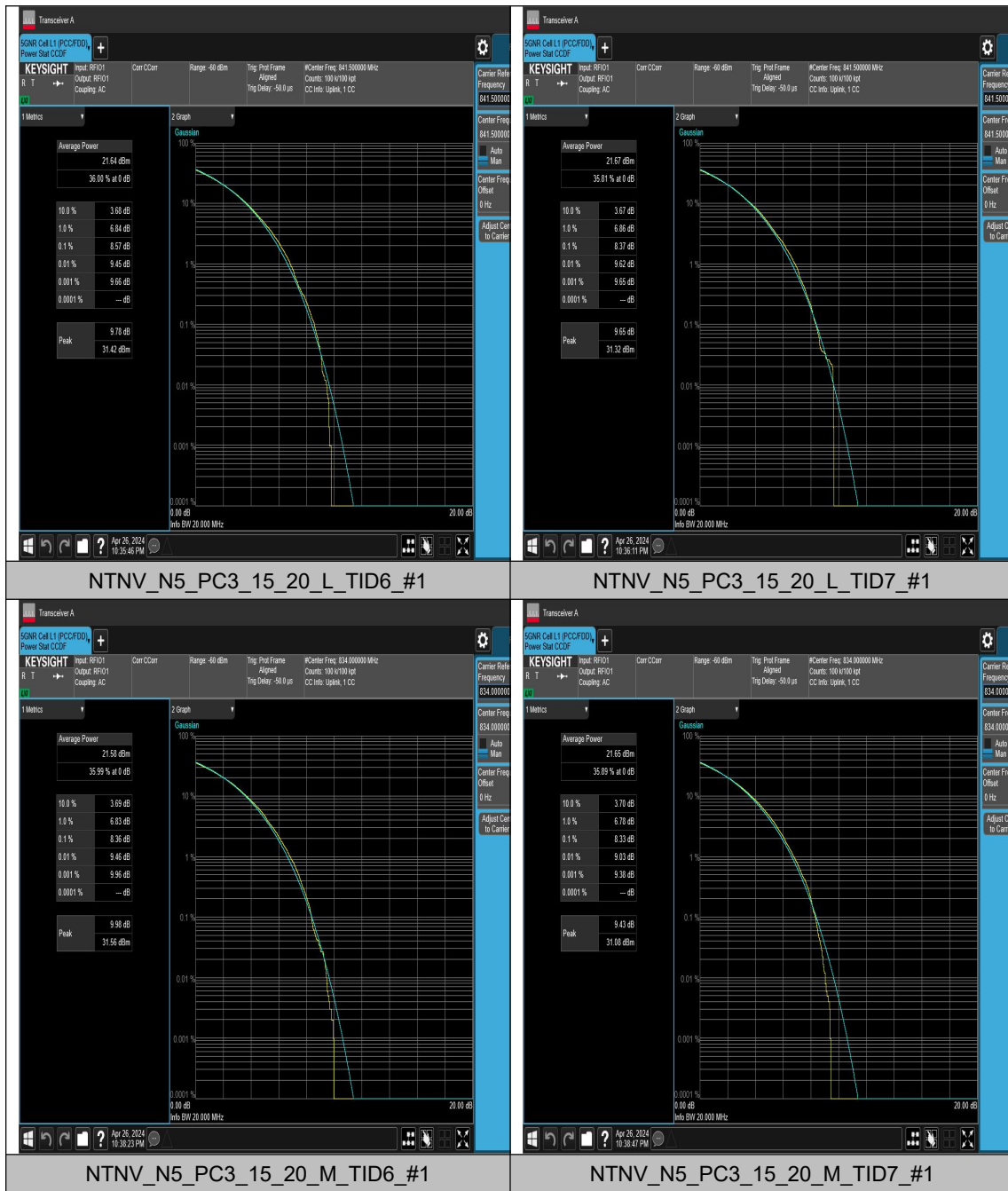
Test Graphs

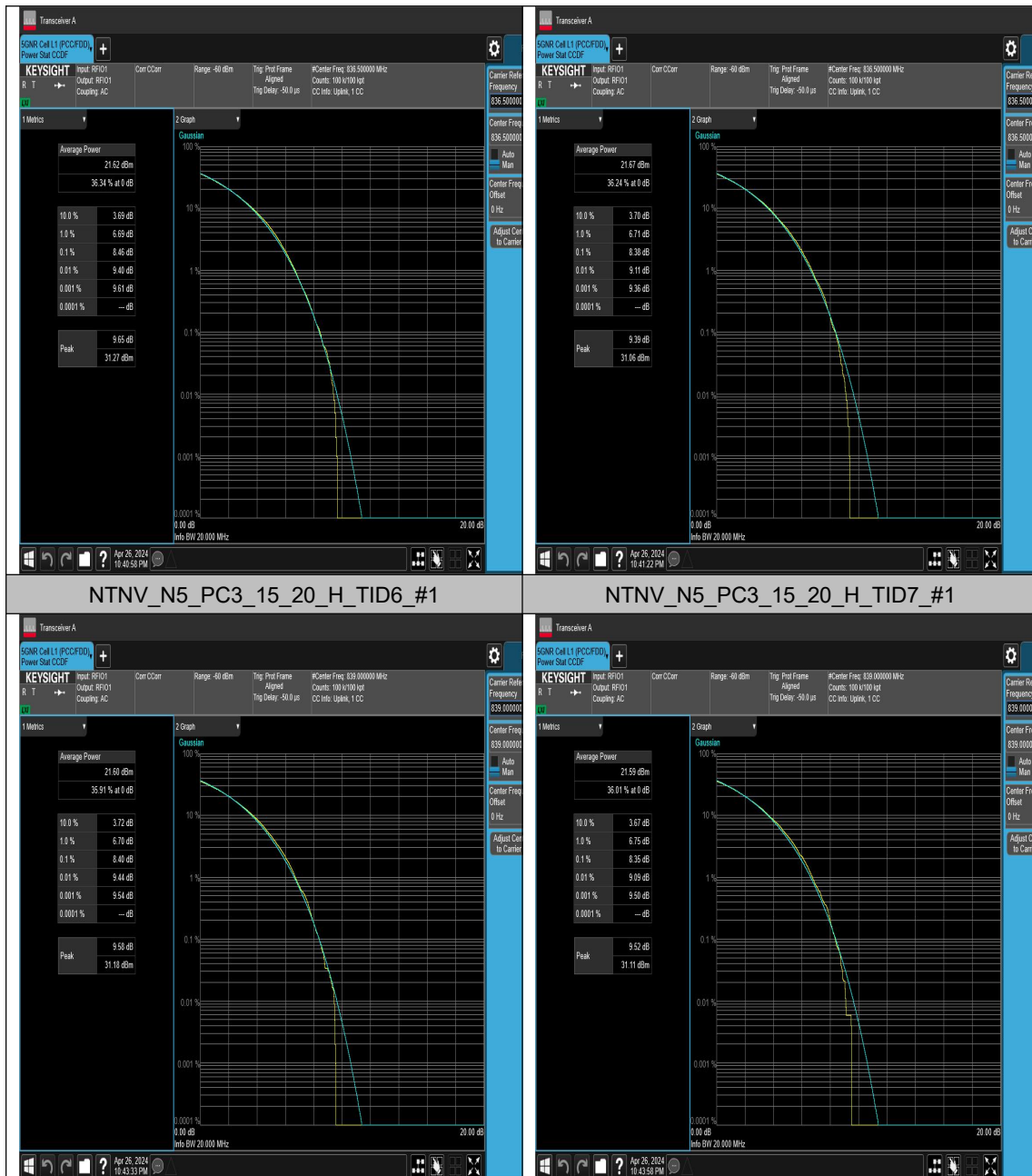












Appendix C: 26dB Bandwidth and Occupied Bandwidth for SA

Test Result

Band	SCS	Bandwidth	Modulation	Channel	RB Config	Result (99%)	Result (26dB)	Verdict
N5	15	5	DFT-QPSK	L	Outer_Full	4.4692	4.854	PASS
N5	15	5	DFT-16QAM	L	Outer_Full	4.4573	4.810	PASS
N5	15	5	DFT-QPSK	M	Outer_Full	4.4700	4.874	PASS
N5	15	5	DFT-16QAM	M	Outer_Full	4.4580	4.813	PASS
N5	15	5	DFT-QPSK	H	Outer_Full	4.4691	4.854	PASS
N5	15	5	DFT-16QAM	H	Outer_Full	4.4547	4.802	PASS
N5	15	10	DFT-QPSK	L	Outer_Full	9.2757	9.804	PASS
N5	15	10	DFT-16QAM	L	Outer_Full	9.2899	9.801	PASS
N5	15	10	DFT-QPSK	M	Outer_Full	9.2912	9.784	PASS
N5	15	10	DFT-16QAM	M	Outer_Full	9.2845	9.817	PASS
N5	15	10	DFT-QPSK	H	Outer_Full	9.2726	9.775	PASS
N5	15	10	DFT-16QAM	H	Outer_Full	9.2843	9.775	PASS
N5	15	15	DFT-QPSK	L	Outer_Full	14.091	14.75	PASS
N5	15	15	DFT-16QAM	L	Outer_Full	14.112	14.77	PASS
N5	15	15	DFT-QPSK	M	Outer_Full	14.090	14.76	PASS
N5	15	15	DFT-16QAM	M	Outer_Full	14.097	14.74	PASS
N5	15	15	DFT-QPSK	H	Outer_Full	14.085	14.72	PASS
N5	15	15	DFT-16QAM	H	Outer_Full	14.086	14.74	PASS
N5	15	20	DFT-QPSK	L	Outer_Full	18.897	19.73	PASS
N5	15	20	DFT-16QAM	L	Outer_Full	18.883	19.80	PASS
N5	15	20	DFT-QPSK	M	Outer_Full	18.900	19.74	PASS
N5	15	20	DFT-16QAM	M	Outer_Full	18.901	19.76	PASS
N5	15	20	DFT-QPSK	H	Outer_Full	18.898	19.75	PASS
N5	15	20	DFT-16QAM	H	Outer_Full	18.886	19.81	PASS

Test Graphs

