

Appendix for N77 3700-3980MHz

Product Name: Zenius08
Model No: GMT-08QA-2301

Appendix A: Average Power Output Data for SA

Test Result

Band	SCS	Bandwidth	Modulation	Channel	RB Config	Power (dBm)	Power Class	Verdict
N77-3700-3980	30	100	DFT-QPSK	L	Outer_Full	25.15	PC2	PASS
N77-3700-3980	30	100	DFT-QPSK	L	Edge_1RB_Left	22.53	PC2	PASS
N77-3700-3980	30	100	DFT-QPSK	L	Inner_Full	26.28	PC2	PASS
N77-3700-3980	30	100	DFT-QPSK	L	Edge_1RB_Right	21.86	PC2	PASS
N77-3700-3980	30	100	CP-QPSK	L	Outer_Full	23.09	PC2	PASS
N77-3700-3980	30	100	CP-QPSK	L	Edge_1RB_Left	22.69	PC2	PASS
N77-3700-3980	30	100	CP-QPSK	L	Inner_Full	24.74	PC2	PASS
N77-3700-3980	30	100	CP-QPSK	L	Edge_1RB_Right	21.87	PC2	PASS
N77-3700-3980	30	100	DFT-QPSK	M	Outer_Full	24.47	PC2	PASS
N77-3700-3980	30	100	DFT-QPSK	M	Edge_1RB_Left	21.57	PC2	PASS
N77-3700-3980	30	100	DFT-QPSK	M	Inner_Full	25.54	PC2	PASS
N77-3700-3980	30	100	DFT-QPSK	M	Edge_1RB_Right	21.90	PC2	PASS
N77-3700-3980	30	100	CP-QPSK	M	Outer_Full	22.46	PC2	PASS
N77-3700-3980	30	100	CP-QPSK	M	Edge_1RB_Left	21.55	PC2	PASS
N77-3700-3980	30	100	CP-QPSK	M	Inner_Full	24.00	PC2	PASS
N77-3700-3980	30	100	CP-QPSK	M	Edge_1RB_Right	21.77	PC2	PASS
N77-3700-3980	30	100	DFT-QPSK	H	Outer_Full	24.83	PC2	PASS
N77-3700	30	100	DFT-QPSK	H	Edge_1RB_Left	22.33	PC2	PASS

-3980								
N77-3700 -3980	30	100	DFT-QPSK	H	Inner_Full	25.38	PC2	PASS
N77-3700 -3980	30	100	DFT-QPSK	H	Edge_1RB_Right	22.18	PC2	PASS
N77-3700 -3980	30	100	CP-QPSK	H	Outer_Full	23.22	PC2	PASS
N77-3700 -3980	30	100	CP-QPSK	H	Edge_1RB_Left	23.03	PC2	PASS
N77-3700 -3980	30	100	CP-QPSK	H	Inner_Full	23.70	PC2	PASS
N77-3700 -3980	30	100	CP-QPSK	H	Edge_1RB_Right	21.48	PC2	PASS

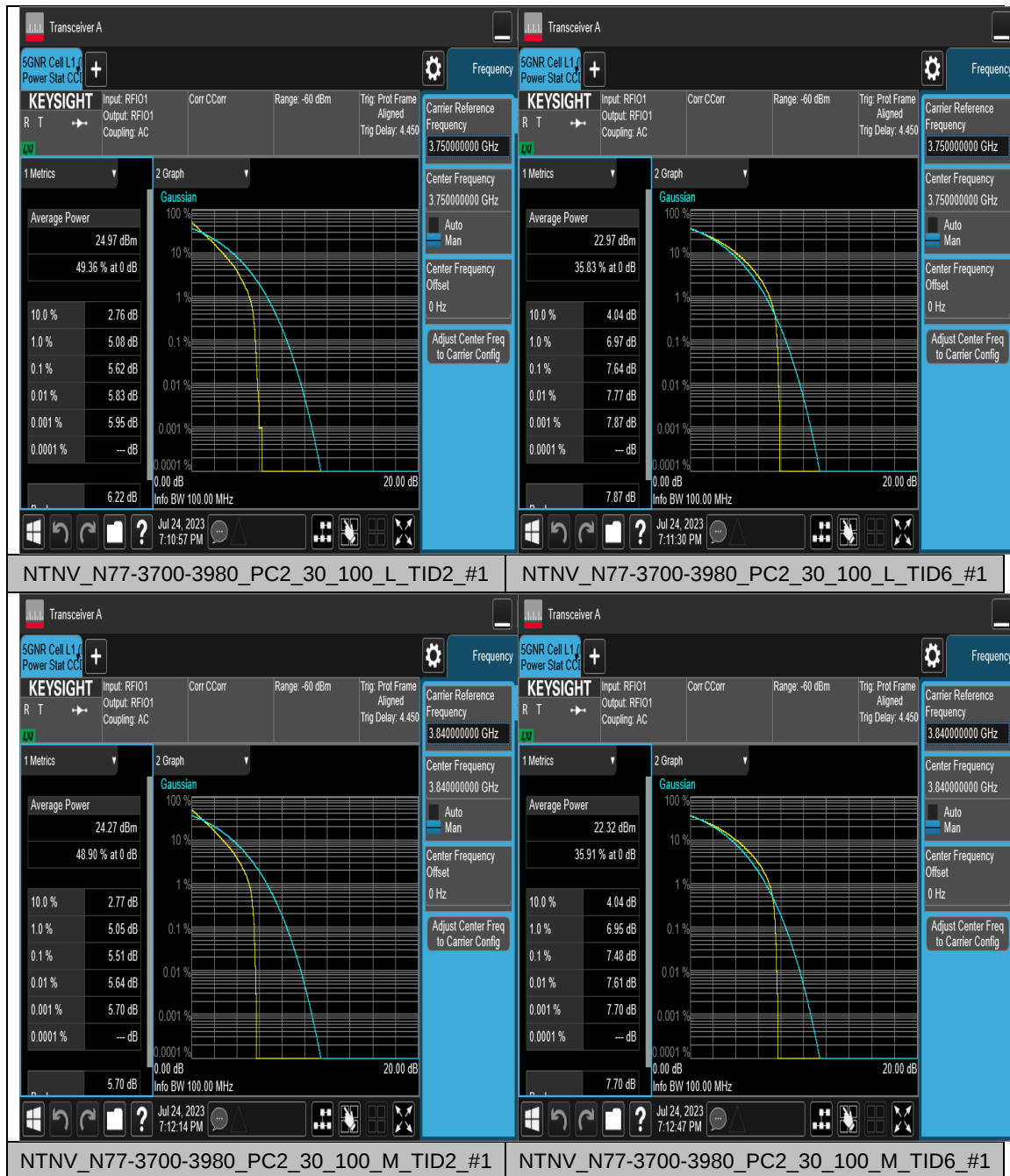
Appendix B: Peak-to-Average Ratio for SA

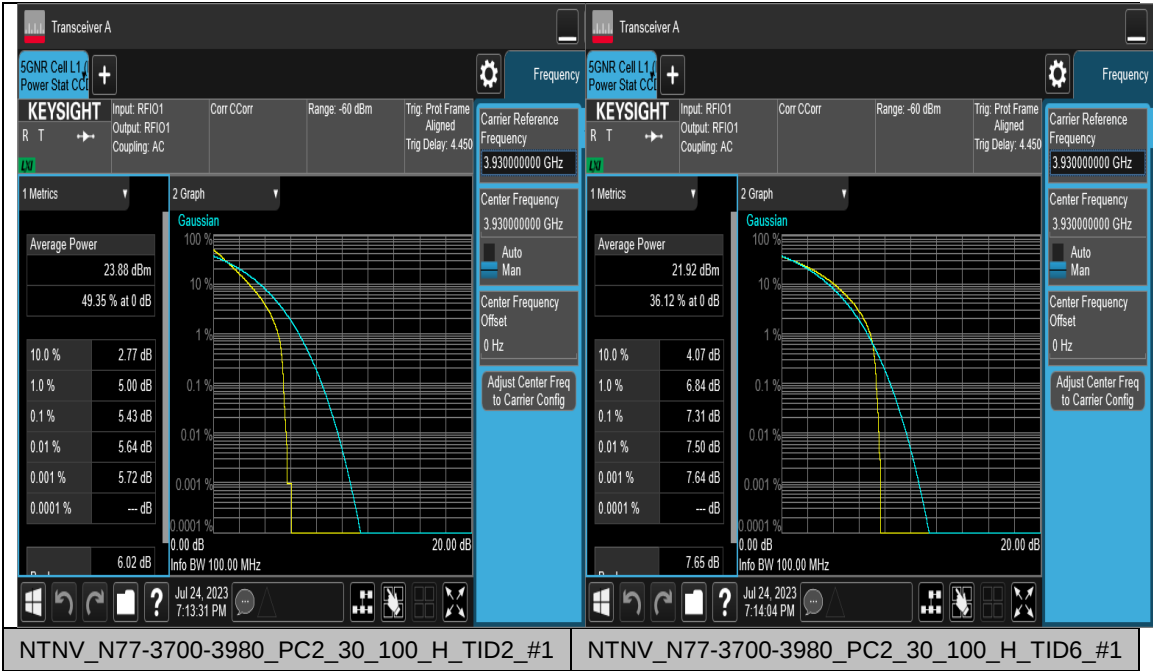
Peak-to-Average Ratio(CCDF)

Test Result

Band	SCS	Bandwidth	Modulation	Channel	RB Config	Result	Limit	Verdict
N77-3700- 3980	30	100	DFT-QPSK	L	Outer_Full	5.62	≤13	PASS
N77-3700- 3980	30	100	CP-QPSK	L	Outer_Full	7.64	≤13	PASS
N77-3700- 3980	30	100	DFT-QPSK	M	Outer_Full	5.51	≤13	PASS
N77-3700- 3980	30	100	CP-QPSK	M	Outer_Full	7.48	≤13	PASS
N77-3700- 3980	30	100	DFT-QPSK	H	Outer_Full	5.43	≤13	PASS
N77-3700- 3980	30	100	CP-QPSK	H	Outer_Full	7.31	≤13	PASS

Test Graphs



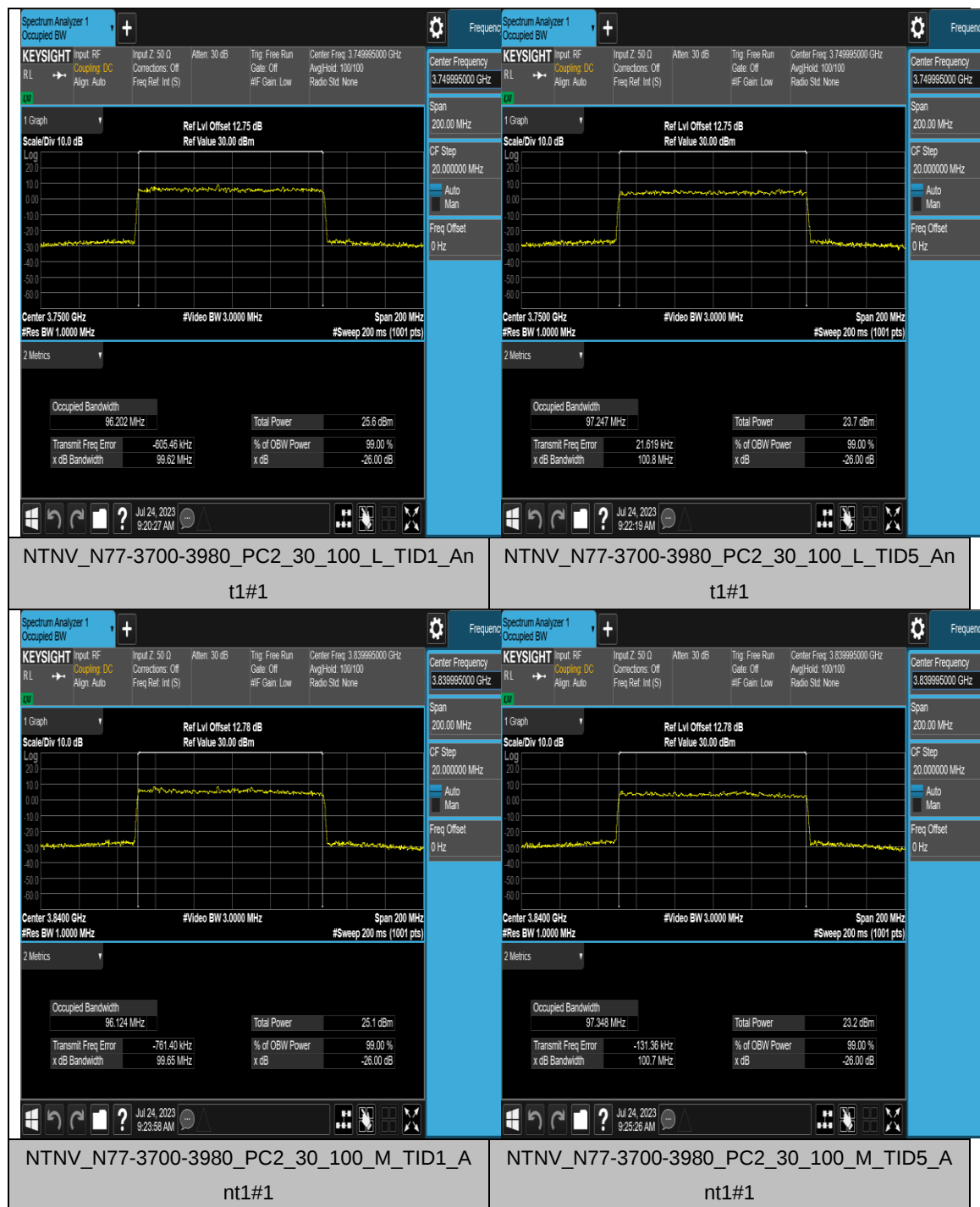


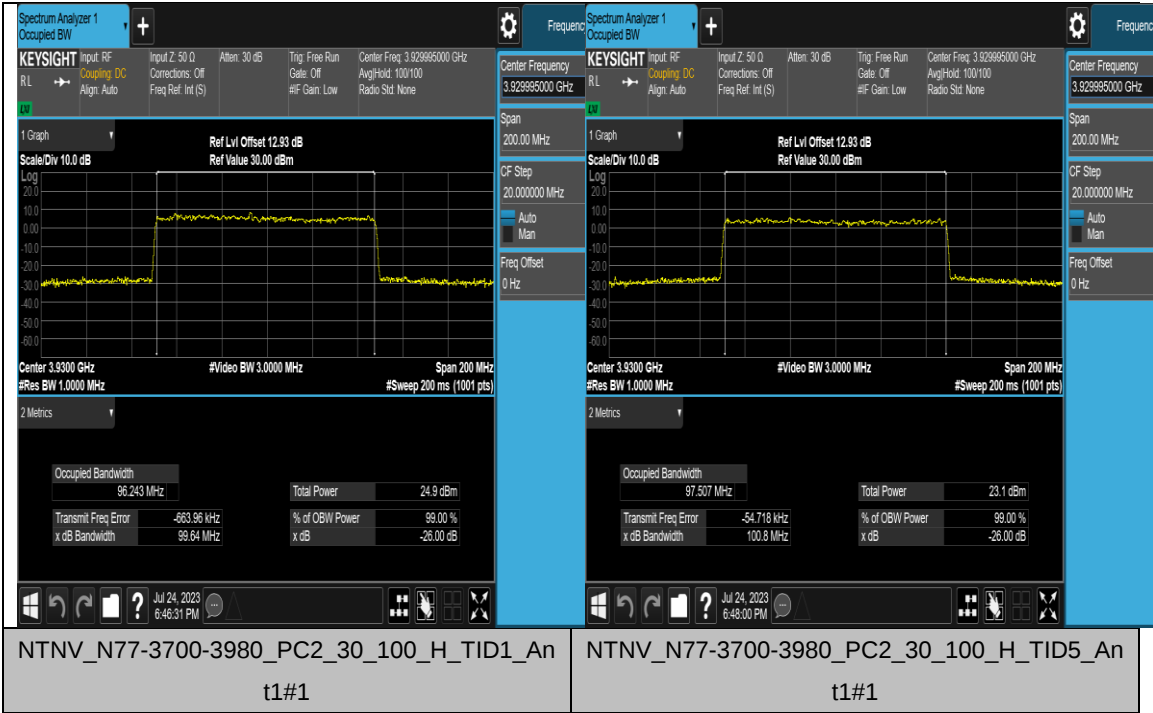
Appendix C: 26dB Bandwidth and Occupied Bandwidth for SA

Test Result

Band	SCS	Bandwidth	Modulation	Channel	RB Config	Result (99%)	Result (26dB)	Verdict
N77-3700 -3980	30	100	DFT-QPSK	L	Outer_Full	96.202	99.62	PASS
N77-3700 -3980	30	100	CP-QPSK	L	Outer_Full	97.247	100.8	PASS
N77-3700 -3980	30	100	DFT-QPSK	M	Outer_Full	96.124	99.65	PASS
N77-3700 -3980	30	100	CP-QPSK	M	Outer_Full	97.348	100.7	PASS
N77-3700 -3980	30	100	DFT-QPSK	H	Outer_Full	96.243	99.64	PASS
N77-3700 -3980	30	100	CP-QPSK	H	Outer_Full	97.507	100.8	PASS

Test Graphs



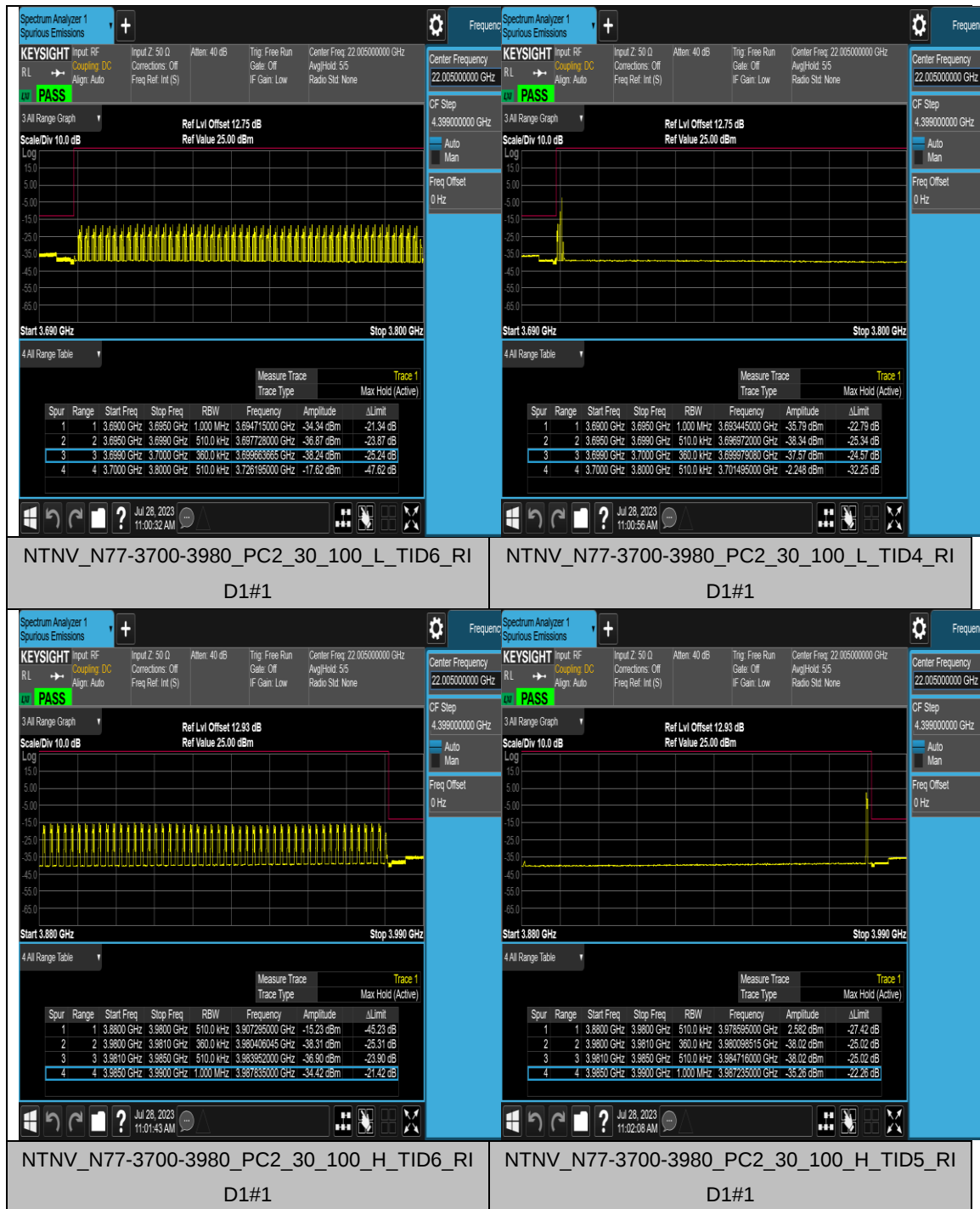


Appendix D: Band Edge for SA

Test Result

Band	SCS	Bandwidth	Modulation	Channel	RB Config	Result	Verdict
N77-3700-3980	30	100	CP-QPSK	L	Outer_Full	see graph	PASS
N77-3700-3980	30	100	CP-QPSK	L	Edge_1RB_Left	see graph	PASS
N77-3700-3980	30	100	CP-QPSK	H	Outer_Full	see graph	PASS
N77-3700-3980	30	100	CP-QPSK	H	Edge_1RB_Right	see graph	PASS

Test Graphs



Appendix E: Conducted Spurious Emission for SA

Test Result

Band	SCS	Bandwidth	Modulation	Channel	RB Config	StartFreq	StopFreq	Result	Limit	Verdict
N77-3 700-39 80	30	100	DFT-QPSK	L	Outer_Full	0.009	0.15	-76.11	-43	PASS
N77-3 700-39 80	30	100	DFT-QPSK	L	Outer_Full	0.15	30	-79.62	-33	PASS
N77-3 700-39 80	30	100	DFT-QPSK	L	Outer_Full	30	1000	-70.62	-23	PASS
N77-3 700-39 80	30	100	DFT-QPSK	L	Outer_Full	1000	3000	-56.98	-13	PASS
N77-3 700-39 80	30	100	DFT-QPSK	L	Outer_Full	3000	6000	-44.42	-13	PASS
N77-3 700-39 80	30	100	DFT-QPSK	L	Outer_Full	6000	26000	-30.15	-13	PASS
N77-3 700-39 80	30	100	DFT-QPSK	L	Outer_Full	26000	40000	-33.70	-13	PASS
N77-3 700-39 80	30	100	DFT-QPSK	L	Edge_1RB_Left	0.009	0.15	-75.83	-43	PASS
N77-3 700-39 80	30	100	DFT-QPSK	L	Edge_1RB_Left	0.15	30	-78.71	-33	PASS
N77-3 700-39 80	30	100	DFT-QPSK	L	Edge_1RB_Left	30	1000	-70.71	-23	PASS
N77-3 700-39 80	30	100	DFT-QPSK	L	Edge_1RB_Left	1000	3000	-56.91	-13	PASS
N77-3 700-39 80	30	100	DFT-QPSK	L	Edge_1RB_Left	3000	6000	-49.48	-13	PASS

N77-3 700-39 80	30	100	DFT-QPSK	L	Edge_1RB_Left	6000	26000	-29.98	-13	PASS
N77-3 700-39 80	30	100	DFT-QPSK	L	Edge_1RB_Left	26000	40000	-33.63	-13	PASS
N77-3 700-39 80	30	100	DFT-QPSK	L	Edge_1RB_Right	0.009	0.15	-75.56	-43	PASS
N77-3 700-39 80	30	100	DFT-QPSK	L	Edge_1RB_Right	0.15	30	-77.45	-33	PASS
N77-3 700-39 80	30	100	DFT-QPSK	L	Edge_1RB_Right	30	1000	-70.26	-23	PASS
N77-3 700-39 80	30	100	DFT-QPSK	L	Edge_1RB_Right	1000	3000	-57.09	-13	PASS
N77-3 700-39 80	30	100	DFT-QPSK	L	Edge_1RB_Right	3000	6000	-49.46	-13	PASS
N77-3 700-39 80	30	100	DFT-QPSK	L	Edge_1RB_Right	6000	26000	-30.05	-13	PASS
N77-3 700-39 80	30	100	DFT-QPSK	L	Edge_1RB_Right	26000	40000	-33.53	-13	PASS
N77-3 700-39 80	30	100	CP-QPSK	L	Outer_Full	0.009	0.15	-75.67	-43	PASS
N77-3 700-39 80	30	100	CP-QPSK	L	Outer_Full	0.15	30	-79.73	-33	PASS
N77-3 700-39 80	30	100	CP-QPSK	L	Outer_Full	30	1000	-70.33	-23	PASS
N77-3 700-39 80	30	100	CP-QPSK	L	Outer_Full	1000	3000	-57.10	-13	PASS
N77-3 700-39 80	30	100	CP-QPSK	L	Outer_Full	3000	6000	-45.76	-13	PASS
N77-3	30	100	CP-QPSK	L	Outer_Full	6000	26000	-30.31	-13	PASS

700-39 80										
N77-3 700-39 80	30	100	CP-QPSK	L	Outer_Full	26000	40000	-33.70	-13	PASS
N77-3 700-39 80	30	100	CP-QPSK	L	Edge_1RB_Left	0.009	0.15	-75.81	-43	PASS
N77-3 700-39 80	30	100	CP-QPSK	L	Edge_1RB_Left	0.15	30	-77.66	-33	PASS
N77-3 700-39 80	30	100	CP-QPSK	L	Edge_1RB_Left	30	1000	-70.43	-23	PASS
N77-3 700-39 80	30	100	CP-QPSK	L	Edge_1RB_Left	1000	3000	-57.17	-13	PASS
N77-3 700-39 80	30	100	CP-QPSK	L	Edge_1RB_Left	3000	6000	-49.83	-13	PASS
N77-3 700-39 80	30	100	CP-QPSK	L	Edge_1RB_Left	6000	26000	-30.31	-13	PASS
N77-3 700-39 80	30	100	CP-QPSK	L	Edge_1RB_Left	26000	40000	-33.52	-13	PASS
N77-3 700-39 80	30	100	CP-QPSK	L	Edge_1RB_Right	0.009	0.15	-75.04	-43	PASS
N77-3 700-39 80	30	100	CP-QPSK	L	Edge_1RB_Right	0.15	30	-78.88	-33	PASS
N77-3 700-39 80	30	100	CP-QPSK	L	Edge_1RB_Right	30	1000	-70.33	-23	PASS
N77-3 700-39 80	30	100	CP-QPSK	L	Edge_1RB_Right	1000	3000	-56.97	-13	PASS
N77-3 700-39 80	30	100	CP-QPSK	L	Edge_1RB_Right	3000	6000	-49.52	-13	PASS
N77-3 700-39	30	100	CP-QPSK	L	Edge_1RB_Right	6000	26000	-30.10	-13	PASS

80										
N77-3 700-39 80	30	100	CP-QPSK	L	Edge_1RB_Right	26000	40000	-33.53	-13	PASS
N77-3 700-39 80	30	100	DFT-QPSK	M	Outer_Full	0.009	0.15	-74.52	-43	PASS
N77-3 700-39 80	30	100	DFT-QPSK	M	Outer_Full	0.15	30	-79.53	-33	PASS
N77-3 700-39 80	30	100	DFT-QPSK	M	Outer_Full	30	1000	-70.71	-23	PASS
N77-3 700-39 80	30	100	DFT-QPSK	M	Outer_Full	1000	3000	-57.02	-13	PASS
N77-3 700-39 80	30	100	DFT-QPSK	M	Outer_Full	3000	6000	-45.17	-13	PASS
N77-3 700-39 80	30	100	DFT-QPSK	M	Outer_Full	6000	26000	-30.03	-13	PASS
N77-3 700-39 80	30	100	DFT-QPSK	M	Outer_Full	26000	40000	-33.56	-13	PASS
N77-3 700-39 80	30	100	DFT-QPSK	M	Edge_1RB_Left	0.009	0.15	-76.03	-43	PASS
N77-3 700-39 80	30	100	DFT-QPSK	M	Edge_1RB_Left	0.15	30	-80.59	-33	PASS
N77-3 700-39 80	30	100	DFT-QPSK	M	Edge_1RB_Left	30	1000	-70.40	-23	PASS
N77-3 700-39 80	30	100	DFT-QPSK	M	Edge_1RB_Left	1000	3000	-57.06	-13	PASS
N77-3 700-39 80	30	100	DFT-QPSK	M	Edge_1RB_Left	3000	6000	-49.72	-13	PASS
N77-3 700-39 80	30	100	DFT-QPSK	M	Edge_1RB_Left	6000	26000	-30.06	-13	PASS

N77-3 700-39 80	30	100	DFT-QPSK	M	Edge_1RB_Left	26000	40000	-33.78	-13	PASS
N77-3 700-39 80	30	100	DFT-QPSK	M	Edge_1RB_Right	0.009	0.15	-74.67	-43	PASS
N77-3 700-39 80	30	100	DFT-QPSK	M	Edge_1RB_Right	0.15	30	-78.66	-33	PASS
N77-3 700-39 80	30	100	DFT-QPSK	M	Edge_1RB_Right	30	1000	-70.02	-23	PASS
N77-3 700-39 80	30	100	DFT-QPSK	M	Edge_1RB_Right	1000	3000	-57.06	-13	PASS
N77-3 700-39 80	30	100	DFT-QPSK	M	Edge_1RB_Right	3000	6000	-49.76	-13	PASS
N77-3 700-39 80	30	100	DFT-QPSK	M	Edge_1RB_Right	6000	26000	-30.27	-13	PASS
N77-3 700-39 80	30	100	DFT-QPSK	M	Edge_1RB_Right	26000	40000	-33.34	-13	PASS
N77-3 700-39 80	30	100	CP-QPSK	M	Outer_Full	0.009	0.15	-75.58	-43	PASS
N77-3 700-39 80	30	100	CP-QPSK	M	Outer_Full	0.15	30	-79.75	-33	PASS
N77-3 700-39 80	30	100	CP-QPSK	M	Outer_Full	30	1000	-69.54	-23	PASS
N77-3 700-39 80	30	100	CP-QPSK	M	Outer_Full	1000	3000	-56.95	-13	PASS
N77-3 700-39 80	30	100	CP-QPSK	M	Outer_Full	3000	6000	-45.32	-13	PASS
N77-3 700-39 80	30	100	CP-QPSK	M	Outer_Full	6000	26000	-30.10	-13	PASS
N77-3	30	100	CP-QPSK	M	Outer_Full	26000	40000	-33.78	-13	PASS

700-39 80										
N77-3 700-39 80	30	100	CP-QPSK	M	Edge_1RB_Left	0.009	0.15	-74.42	-43	PASS
N77-3 700-39 80	30	100	CP-QPSK	M	Edge_1RB_Left	0.15	30	-77.09	-33	PASS
N77-3 700-39 80	30	100	CP-QPSK	M	Edge_1RB_Left	30	1000	-69.99	-23	PASS
N77-3 700-39 80	30	100	CP-QPSK	M	Edge_1RB_Left	1000	3000	-56.98	-13	PASS
N77-3 700-39 80	30	100	CP-QPSK	M	Edge_1RB_Left	3000	6000	-49.69	-13	PASS
N77-3 700-39 80	30	100	CP-QPSK	M	Edge_1RB_Left	6000	26000	-30.01	-13	PASS
N77-3 700-39 80	30	100	CP-QPSK	M	Edge_1RB_Left	26000	40000	-33.62	-13	PASS
N77-3 700-39 80	30	100	CP-QPSK	M	Edge_1RB_Right	0.009	0.15	-76.57	-43	PASS
N77-3 700-39 80	30	100	CP-QPSK	M	Edge_1RB_Right	0.15	30	-76.60	-33	PASS
N77-3 700-39 80	30	100	CP-QPSK	M	Edge_1RB_Right	30	1000	-70.22	-23	PASS
N77-3 700-39 80	30	100	CP-QPSK	M	Edge_1RB_Right	1000	3000	-57.09	-13	PASS
N77-3 700-39 80	30	100	CP-QPSK	M	Edge_1RB_Right	3000	6000	-49.79	-13	PASS
N77-3 700-39 80	30	100	CP-QPSK	M	Edge_1RB_Right	6000	26000	-30.08	-13	PASS
N77-3 700-39	30	100	CP-QPSK	M	Edge_1RB_Right	26000	40000	-33.64	-13	PASS

80										
N77-3 700-39 80	30	100	DFT-QPSK	H	Outer_Full	0.009	0.15	-74.32	-43	PASS
N77-3 700-39 80	30	100	DFT-QPSK	H	Outer_Full	0.15	30	-79.36	-33	PASS
N77-3 700-39 80	30	100	DFT-QPSK	H	Outer_Full	30	1000	-70.50	-23	PASS
N77-3 700-39 80	30	100	DFT-QPSK	H	Outer_Full	1000	3000	-57.02	-13	PASS
N77-3 700-39 80	30	100	DFT-QPSK	H	Outer_Full	3000	6000	-42.01	-13	PASS
N77-3 700-39 80	30	100	DFT-QPSK	H	Outer_Full	6000	26000	-30.36	-13	PASS
N77-3 700-39 80	30	100	DFT-QPSK	H	Outer_Full	26000	40000	-33.49	-13	PASS
N77-3 700-39 80	30	100	DFT-QPSK	H	Edge_1RB_Left	0.009	0.15	-75.26	-43	PASS
N77-3 700-39 80	30	100	DFT-QPSK	H	Edge_1RB_Left	0.15	30	-78.51	-33	PASS
N77-3 700-39 80	30	100	DFT-QPSK	H	Edge_1RB_Left	30	1000	-70.65	-23	PASS
N77-3 700-39 80	30	100	DFT-QPSK	H	Edge_1RB_Left	1000	3000	-57.04	-13	PASS
N77-3 700-39 80	30	100	DFT-QPSK	H	Edge_1RB_Left	3000	6000	-50.29	-13	PASS
N77-3 700-39 80	30	100	DFT-QPSK	H	Edge_1RB_Left	6000	26000	-29.94	-13	PASS
N77-3 700-39 80	30	100	DFT-QPSK	H	Edge_1RB_Left	26000	40000	-33.42	-13	PASS

N77-3 700-39 80	30	100	DFT-QPSK	H	Edge_1RB_Right	0.009	0.15	-75.60	-43	PASS
N77-3 700-39 80	30	100	DFT-QPSK	H	Edge_1RB_Right	0.15	30	-77.81	-33	PASS
N77-3 700-39 80	30	100	DFT-QPSK	H	Edge_1RB_Right	30	1000	-70.12	-23	PASS
N77-3 700-39 80	30	100	DFT-QPSK	H	Edge_1RB_Right	1000	3000	-56.96	-13	PASS
N77-3 700-39 80	30	100	DFT-QPSK	H	Edge_1RB_Right	3000	6000	-50.15	-13	PASS
N77-3 700-39 80	30	100	DFT-QPSK	H	Edge_1RB_Right	6000	26000	-30.01	-13	PASS
N77-3 700-39 80	30	100	DFT-QPSK	H	Edge_1RB_Right	26000	40000	-33.53	-13	PASS
N77-3 700-39 80	30	100	CP-QPSK	H	Outer_Full	0.009	0.15	-75.81	-43	PASS
N77-3 700-39 80	30	100	CP-QPSK	H	Outer_Full	0.15	30	-77.96	-33	PASS
N77-3 700-39 80	30	100	CP-QPSK	H	Outer_Full	30	1000	-70.08	-23	PASS
N77-3 700-39 80	30	100	CP-QPSK	H	Outer_Full	1000	3000	-57.08	-13	PASS
N77-3 700-39 80	30	100	CP-QPSK	H	Outer_Full	3000	6000	-45.31	-13	PASS
N77-3 700-39 80	30	100	CP-QPSK	H	Outer_Full	6000	26000	-29.80	-13	PASS
N77-3 700-39 80	30	100	CP-QPSK	H	Outer_Full	26000	40000	-32.91	-13	PASS
N77-3	30	100	CP-QPSK	H	Edge_1RB_Left	0.009	0.15	-75.67	-43	PASS

700-39 80										
N77-3 700-39 80	30	100	CP-QPSK	H	Edge_1RB_Left	0.15	30	-78.71	-33	PASS
N77-3 700-39 80	30	100	CP-QPSK	H	Edge_1RB_Left	30	1000	-70.26	-23	PASS
N77-3 700-39 80	30	100	CP-QPSK	H	Edge_1RB_Left	1000	3000	-56.96	-13	PASS
N77-3 700-39 80	30	100	CP-QPSK	H	Edge_1RB_Left	3000	6000	-50.05	-13	PASS
N77-3 700-39 80	30	100	CP-QPSK	H	Edge_1RB_Left	6000	26000	-30.21	-13	PASS
N77-3 700-39 80	30	100	CP-QPSK	H	Edge_1RB_Left	26000	40000	-33.46	-13	PASS
N77-3 700-39 80	30	100	CP-QPSK	H	Edge_1RB_Right	0.009	0.15	-74.64	-43	PASS
N77-3 700-39 80	30	100	CP-QPSK	H	Edge_1RB_Right	0.15	30	-76.35	-33	PASS
N77-3 700-39 80	30	100	CP-QPSK	H	Edge_1RB_Right	30	1000	-69.92	-23	PASS
N77-3 700-39 80	30	100	CP-QPSK	H	Edge_1RB_Right	1000	3000	-56.98	-13	PASS
N77-3 700-39 80	30	100	CP-QPSK	H	Edge_1RB_Right	3000	6000	-49.96	-13	PASS
N77-3 700-39 80	30	100	CP-QPSK	H	Edge_1RB_Right	6000	26000	-29.99	-13	PASS
N77-3 700-39 80	30	100	CP-QPSK	H	Edge_1RB_Right	26000	40000	-33.31	-13	PASS

Test Graphs

