

Appendix for n38

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
N38	30	20	CP-QPSK	L	Outer_Full	22.05	PC3	PASS
N38	30	20	CP-QPSK	L	Edge_1RB_Left	21.84	PC3	PASS
N38	30	20	CP-QPSK	L	Inner_Full	23.53	PC3	PASS
N38	30	20	CP-QPSK	L	Edge_1RB_Right	21.69	PC3	PASS
N38	30	20	CP-16QAM	L	Outer_Full	22.00	PC3	PASS
N38	30	20	CP-16QAM	L	Edge_1RB_Left	22.01	PC3	PASS
N38	30	20	CP-16QAM	L	Inner_Full	22.83	PC3	PASS
N38	30	20	CP-16QAM	L	Edge_1RB_Right	21.84	PC3	PASS
N38	30	20	CP-QPSK	M	Outer_Full	21.84	PC3	PASS
N38	30	20	CP-QPSK	M	Edge_1RB_Left	21.70	PC3	PASS
N38	30	20	CP-QPSK	M	Inner_Full	23.28	PC3	PASS
N38	30	20	CP-QPSK	M	Edge_1RB_Right	21.38	PC3	PASS
N38	30	20	CP-16QAM	M	Outer_Full	21.90	PC3	PASS
N38	30	20	CP-16QAM	M	Edge_1RB_Left	21.88	PC3	PASS
N38	30	20	CP-16QAM	M	Inner_Full	22.83	PC3	PASS
N38	30	20	CP-16QAM	M	Edge_1RB_Right	21.48	PC3	PASS
N38	30	20	CP-QPSK	H	Outer_Full	21.60	PC3	PASS
N38	30	20	CP-QPSK	H	Edge_1RB_Left	21.65	PC3	PASS
N38	30	20	CP-QPSK	H	Inner_Full	23.05	PC3	PASS
N38	30	20	CP-QPSK	H	Edge_1RB_Right	21.55	PC3	PASS
N38	30	20	CP-16QAM	H	Outer_Full	21.56	PC3	PASS
N38	30	20	CP-16QAM	H	Edge_1RB_Left	21.64	PC3	PASS
N38	30	20	CP-16QAM	H	Inner_Full	22.42	PC3	PASS
N38	30	20	CP-16QAM	H	Edge_1RB_Right	21.58	PC3	PASS

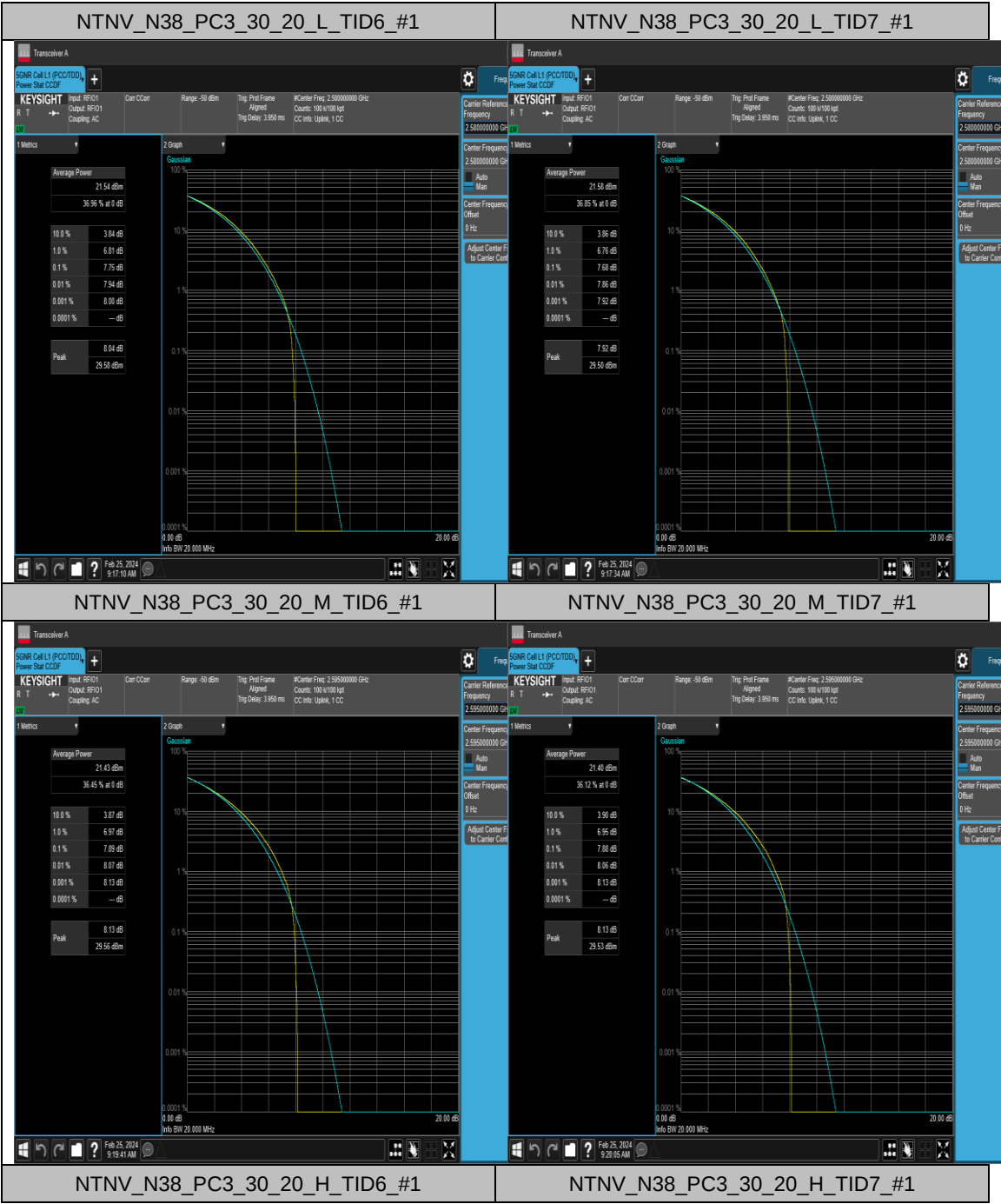
Appendix B: Peak-to-Average Ratio for SA

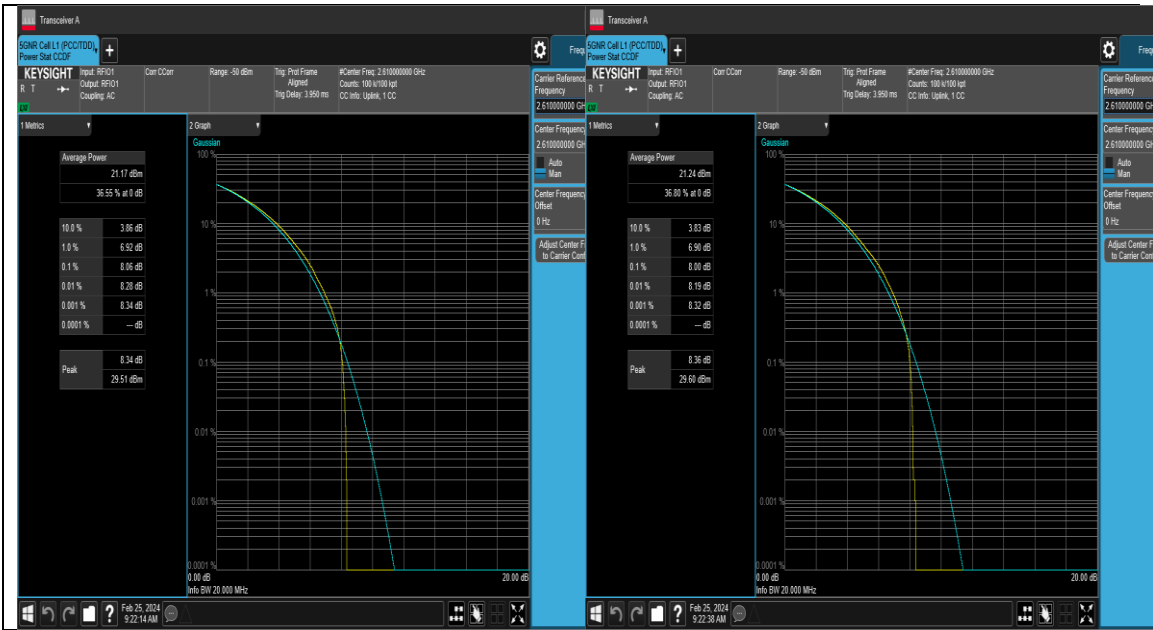
Peak-to-Average Ratio(CCDF)

Test Result

Band	SCS	Bandwidth	Modulation	Channel	RB Config	Result	Limit	Verdict
N38	30	20	CP-QPSK	L	Outer_Full	7.75	≤13	PASS
N38	30	20	CP-16QAM	L	Outer_Full	7.68	≤13	PASS
N38	30	20	CP-QPSK	M	Outer_Full	7.89	≤13	PASS
N38	30	20	CP-16QAM	M	Outer_Full	7.88	≤13	PASS
N38	30	20	CP-QPSK	H	Outer_Full	8.06	≤13	PASS
N38	30	20	CP-16QAM	H	Outer_Full	8.00	≤13	PASS

Test Graphs



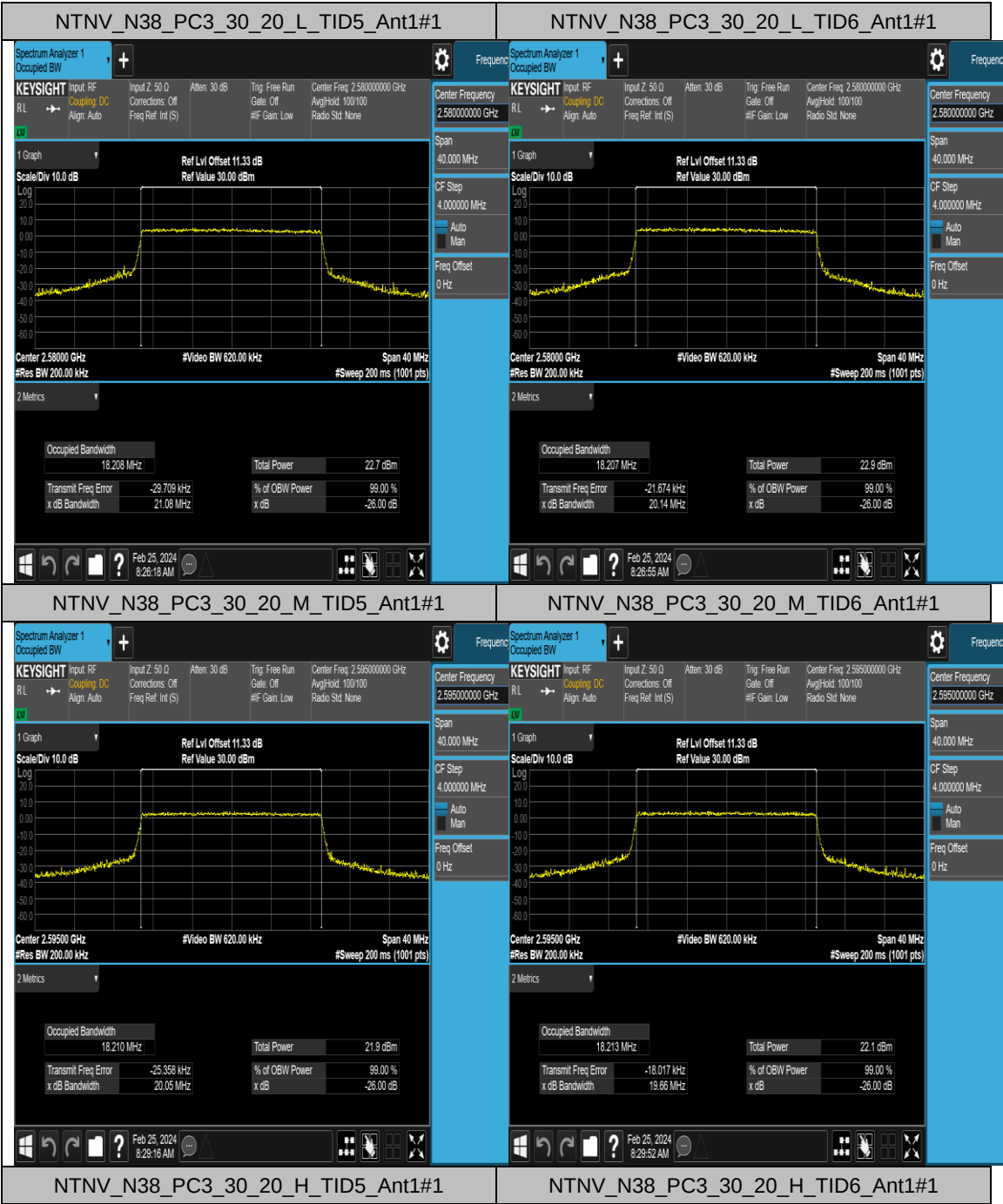


Appendix C: 26dB Bandwidth and Occupied Bandwidth for SA

Test Result

Band	SCS	Bandwidth	Modulation	Channel	RB Config	Result (99%)	Result (26dB)	Verdict
N38	30	20	CP-QPSK	L	Outer_Full	18.208	21.08	PASS
N38	30	20	CP-16QAM	L	Outer_Full	18.207	20.14	PASS
N38	30	20	CP-QPSK	M	Outer_Full	18.210	20.05	PASS
N38	30	20	CP-16QAM	M	Outer_Full	18.213	19.66	PASS
N38	30	20	CP-QPSK	H	Outer_Full	18.212	19.99	PASS
N38	30	20	CP-16QAM	H	Outer_Full	18.208	20.09	PASS

Test Graphs



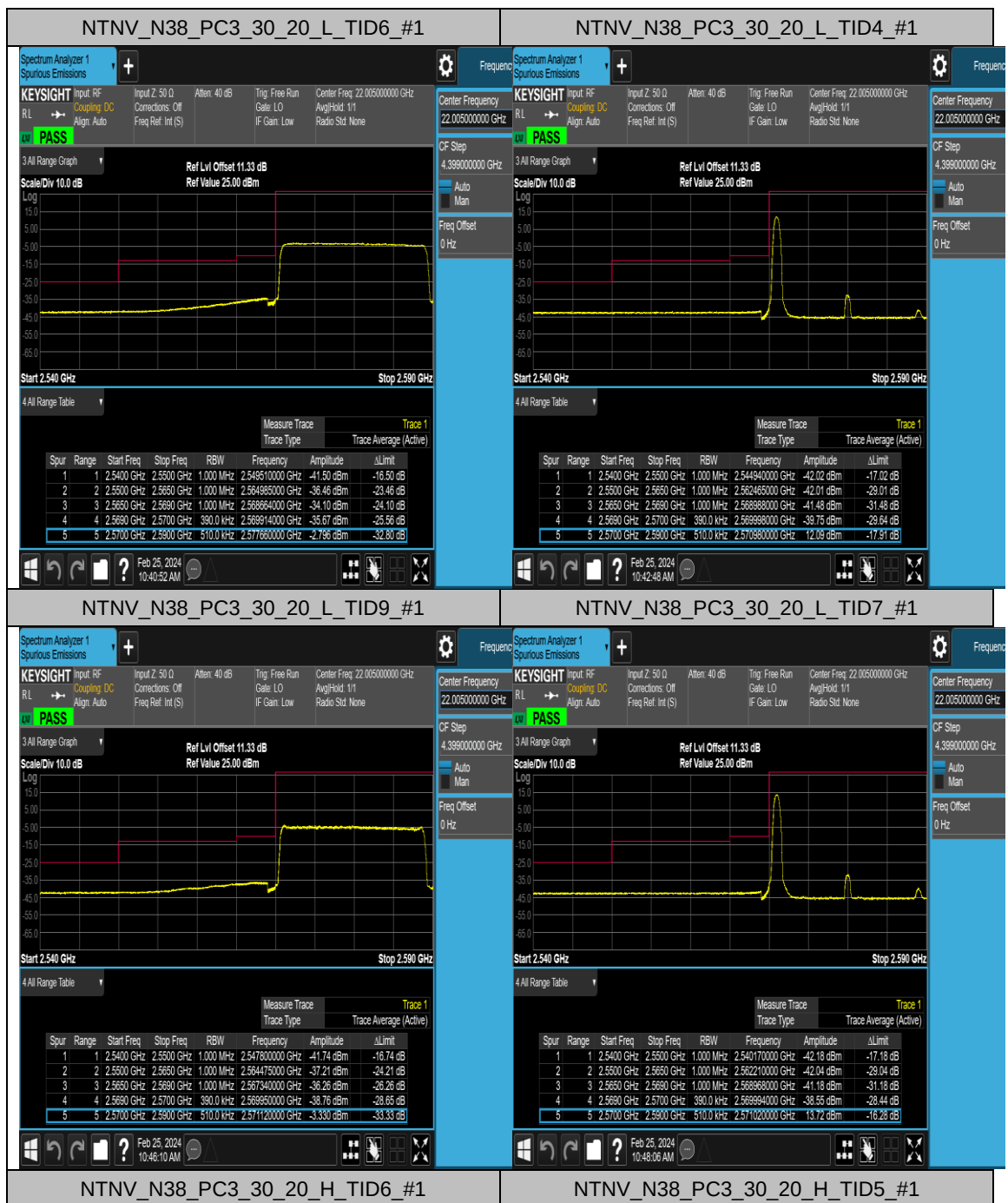


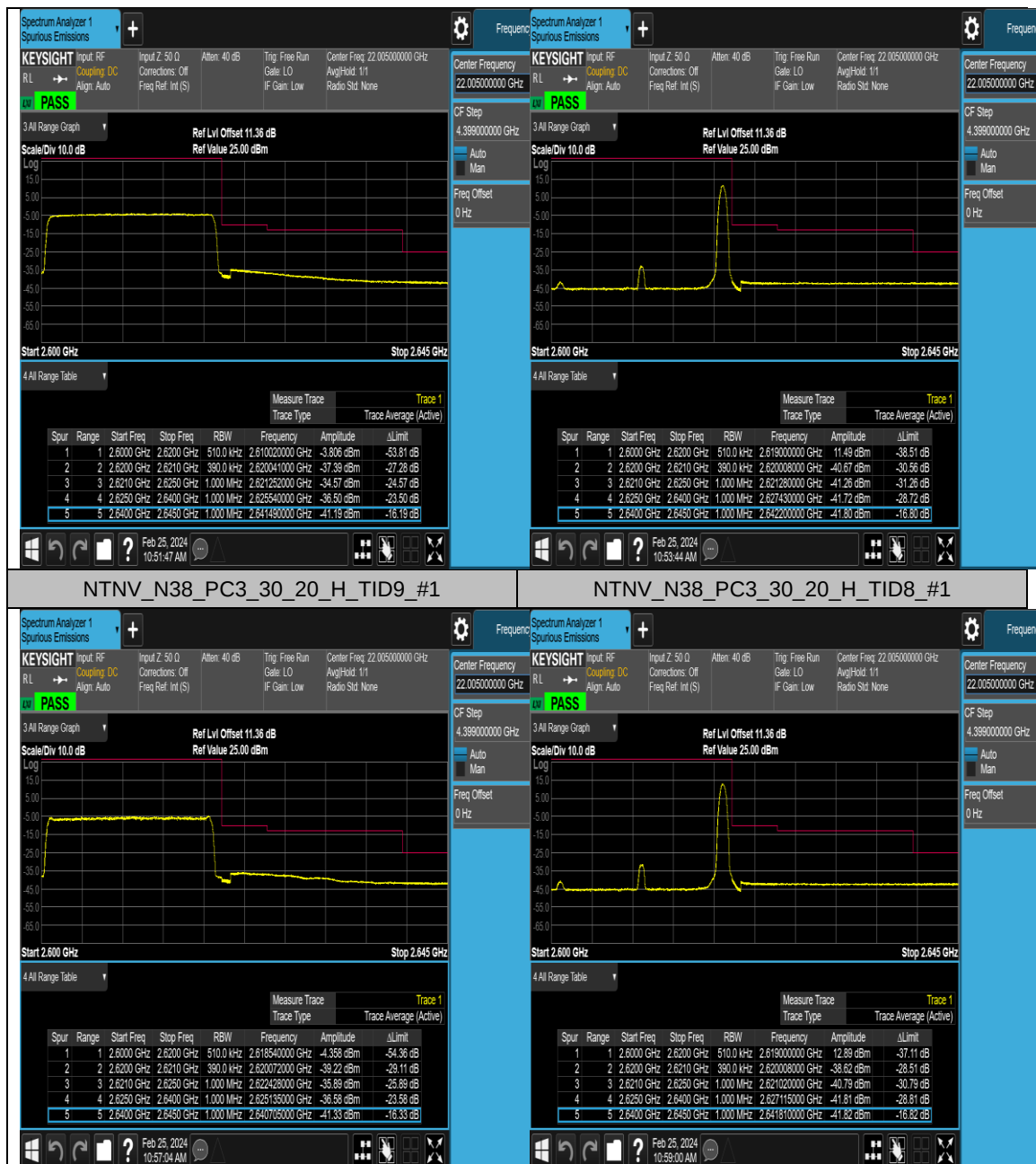
Appendix D: Band Edge for SA

Test Result

Band	SCS	Bandwidth	Modulation	Channel	RB Config	Verdict
N38	30	20	CP-QPSK	L	Outer_Full	PASS
N38	30	20	CP-QPSK	L	Edge_1RB_Left	PASS
N38	30	20	DFT-16QAM	L	Outer_Full	PASS
N38	30	20	DFT-16QAM	L	Edge_1RB_Left	PASS
N38	30	20	CP-QPSK	H	Outer_Full	PASS
N38	30	20	CP-QPSK	H	Edge_1RB_Right	PASS
N38	30	20	DFT-16QAM	H	Outer_Full	PASS
N38	30	20	DFT-16QAM	H	Edge_1RB_Right	PASS

Test Graphs





Appendix E: Conducted Spurious Emission for SA

Test Result

Band	SCS	Bandwidth	Modulation	Channel	RB Config	StartFreq	StopFreq	Result	Limit	Verdict
N38	30	20	CP-QPSK	L	Outer_Full	0.009	0.15	-62.46	-55	PASS
N38	30	20	CP-QPSK	L	Outer_Full	0.15	30	-72.20	-45	PASS
N38	30	20	CP-QPSK	L	Outer_Full	30	1000	-52.35	-35	PASS
N38	30	20	CP-QPSK	L	Outer_Full	3000	12000	-43.80	-25	PASS
N38	30	20	CP-QPSK	L	Outer_Full	12000	20000	-45.64	-25	PASS
N38	30	20	CP-QPSK	L	Edge_1RB_Left	0.009	0.15	-61.87	-55	PASS
N38	30	20	CP-QPSK	L	Edge_1RB_Left	0.15	30	-72.89	-45	PASS
N38	30	20	CP-QPSK	L	Edge_1RB_Left	30	1000	-52.58	-35	PASS
N38	30	20	CP-QPSK	L	Edge_1RB_Left	3000	12000	-43.75	-25	PASS
N38	30	20	CP-QPSK	L	Edge_1RB_Left	12000	20000	-45.70	-25	PASS
N38	30	20	CP-QPSK	L	Edge_1RB_Right	0.009	0.15	-62.26	-55	PASS
N38	30	20	CP-QPSK	L	Edge_1RB_Right	0.15	30	-71.17	-45	PASS
N38	30	20	CP-QPSK	L	Edge_1RB_Right	30	1000	-52.45	-35	PASS
N38	30	20	CP-QPSK	L	Edge_1RB_Right	3000	12000	-43.60	-25	PASS
N38	30	20	CP-QPSK	L	Edge_1RB_Right	12000	20000	-45.68	-25	PASS
N38	30	20	CP-16QAM	L	Outer_Full	0.009	0.15	-61.78	-55	PASS
N38	30	20	CP-16QAM	L	Outer_Full	0.15	30	-71.79	-45	PASS
N38	30	20	CP-16QAM	L	Outer_Full	30	1000	-52.43	-35	PASS
N38	30	20	CP-16QAM	L	Outer_Full	3000	12000	-43.58	-25	PASS
N38	30	20	CP-16QAM	L	Outer_Full	12000	20000	-45.60	-25	PASS
N38	30	20	CP-16QAM	L	Edge_1RB_Left	0.009	0.15	-63.09	-55	PASS
N38	30	20	CP-16QAM	L	Edge_1RB_Left	0.15	30	-71.63	-45	PASS
N38	30	20	CP-16QAM	L	Edge_1RB_Left	30	1000	-52.38	-35	PASS
N38	30	20	CP-16QAM	L	Edge_1RB_Left	3000	12000	-43.78	-25	PASS
N38	30	20	CP-16QAM	L	Edge_1RB_Left	12000	20000	-45.60	-25	PASS
N38	30	20	CP-16QAM	L	Edge_1RB_Right	0.009	0.15	-62.88	-55	PASS
N38	30	20	CP-16QAM	L	Edge_1RB_Right	0.15	30	-71.50	-45	PASS
N38	30	20	CP-16QAM	L	Edge_1RB_Right	30	1000	-52.71	-35	PASS
N38	30	20	CP-16QAM	L	Edge_1RB_Right	3000	12000	-43.74	-25	PASS
N38	30	20	CP-16QAM	L	Edge_1RB_Right	12000	20000	-45.55	-25	PASS
N38	30	20	CP-QPSK	M	Outer_Full	0.009	0.15	-62.44	-55	PASS
N38	30	20	CP-QPSK	M	Outer_Full	0.15	30	-69.73	-45	PASS
N38	30	20	CP-QPSK	M	Outer_Full	30	1000	-52.59	-35	PASS
N38	30	20	CP-QPSK	M	Outer_Full	3000	12000	-43.80	-25	PASS
N38	30	20	CP-QPSK	M	Outer_Full	12000	20000	-45.61	-25	PASS
N38	30	20	CP-QPSK	M	Edge_1RB_Left	0.009	0.15	-61.58	-55	PASS

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N38	30	20	CP-QPSK	M	Edge_1RB_Left	0.15	30	-72.06	-45	PASS
N38	30	20	CP-QPSK	M	Edge_1RB_Left	30	1000	-52.65	-35	PASS
N38	30	20	CP-QPSK	M	Edge_1RB_Left	3000	12000	-43.72	-25	PASS
N38	30	20	CP-QPSK	M	Edge_1RB_Left	12000	20000	-45.56	-25	PASS
N38	30	20	CP-QPSK	M	Edge_1RB_Right	0.009	0.15	-62.73	-55	PASS
N38	30	20	CP-QPSK	M	Edge_1RB_Right	0.15	30	-71.15	-45	PASS
N38	30	20	CP-QPSK	M	Edge_1RB_Right	30	1000	-52.71	-35	PASS
N38	30	20	CP-QPSK	M	Edge_1RB_Right	3000	12000	-43.82	-25	PASS
N38	30	20	CP-QPSK	M	Edge_1RB_Right	12000	20000	-45.51	-25	PASS
N38	30	20	CP-16QAM	M	Outer_Full	0.009	0.15	-62.11	-55	PASS
N38	30	20	CP-16QAM	M	Outer_Full	0.15	30	-71.86	-45	PASS
N38	30	20	CP-16QAM	M	Outer_Full	30	1000	-52.68	-35	PASS
N38	30	20	CP-16QAM	M	Outer_Full	3000	12000	-43.78	-25	PASS
N38	30	20	CP-16QAM	M	Outer_Full	12000	20000	-45.67	-25	PASS
N38	30	20	CP-16QAM	M	Edge_1RB_Left	0.009	0.15	-62.61	-55	PASS
N38	30	20	CP-16QAM	M	Edge_1RB_Left	0.15	30	-71.54	-45	PASS
N38	30	20	CP-16QAM	M	Edge_1RB_Left	30	1000	-52.60	-35	PASS
N38	30	20	CP-16QAM	M	Edge_1RB_Left	3000	12000	-43.65	-25	PASS
N38	30	20	CP-16QAM	M	Edge_1RB_Left	12000	20000	-45.74	-25	PASS
N38	30	20	CP-16QAM	M	Edge_1RB_Right	0.009	0.15	-62.39	-55	PASS
N38	30	20	CP-16QAM	M	Edge_1RB_Right	0.15	30	-71.92	-45	PASS
N38	30	20	CP-16QAM	M	Edge_1RB_Right	30	1000	-52.66	-35	PASS
N38	30	20	CP-16QAM	M	Edge_1RB_Right	3000	12000	-43.71	-25	PASS
N38	30	20	CP-16QAM	M	Edge_1RB_Right	12000	20000	-45.72	-25	PASS
N38	30	20	CP-QPSK	H	Outer_Full	0.009	0.15	-62.28	-55	PASS
N38	30	20	CP-QPSK	H	Outer_Full	0.15	30	-72.05	-45	PASS
N38	30	20	CP-QPSK	H	Outer_Full	30	1000	-52.56	-35	PASS
N38	30	20	CP-QPSK	H	Outer_Full	3000	12000	-43.65	-25	PASS
N38	30	20	CP-QPSK	H	Outer_Full	12000	20000	-45.63	-25	PASS
N38	30	20	CP-QPSK	H	Edge_1RB_Left	0.009	0.15	-61.25	-55	PASS
N38	30	20	CP-QPSK	H	Edge_1RB_Left	0.15	30	-70.41	-45	PASS
N38	30	20	CP-QPSK	H	Edge_1RB_Left	30	1000	-52.64	-35	PASS
N38	30	20	CP-QPSK	H	Edge_1RB_Left	3000	12000	-43.52	-25	PASS
N38	30	20	CP-QPSK	H	Edge_1RB_Left	12000	20000	-45.59	-25	PASS
N38	30	20	CP-QPSK	H	Edge_1RB_Right	0.009	0.15	-63.23	-55	PASS
N38	30	20	CP-QPSK	H	Edge_1RB_Right	0.15	30	-71.64	-45	PASS
N38	30	20	CP-QPSK	H	Edge_1RB_Right	30	1000	-52.71	-35	PASS
N38	30	20	CP-QPSK	H	Edge_1RB_Right	3000	12000	-43.78	-25	PASS
N38	30	20	CP-QPSK	H	Edge_1RB_Right	12000	20000	-45.68	-25	PASS
N38	30	20	CP-16QAM	H	Outer_Full	0.009	0.15	-62.38	-55	PASS
N38	30	20	CP-16QAM	H	Outer_Full	0.15	30	-70.63	-45	PASS
N38	30	20	CP-16QAM	H	Outer_Full	30	1000	-52.54	-35	PASS

N38	30	20	CP-16QAM	H	Outer_Full	3000	12000	-43.87	-25	PASS
N38	30	20	CP-16QAM	H	Outer_Full	12000	20000	-45.68	-25	PASS
N38	30	20	CP-16QAM	H	Edge_1RB_Left	0.009	0.15	-62.90	-55	PASS
N38	30	20	CP-16QAM	H	Edge_1RB_Left	0.15	30	-71.12	-45	PASS
N38	30	20	CP-16QAM	H	Edge_1RB_Left	30	1000	-52.66	-35	PASS
N38	30	20	CP-16QAM	H	Edge_1RB_Left	3000	12000	-43.79	-25	PASS
N38	30	20	CP-16QAM	H	Edge_1RB_Left	12000	20000	-45.48	-25	PASS
N38	30	20	CP-16QAM	H	Edge_1RB_Right	0.009	0.15	-62.01	-55	PASS
N38	30	20	CP-16QAM	H	Edge_1RB_Right	0.15	30	-71.81	-45	PASS
N38	30	20	CP-16QAM	H	Edge_1RB_Right	30	1000	-52.75	-35	PASS
N38	30	20	CP-16QAM	H	Edge_1RB_Right	3000	12000	-43.75	-25	PASS
N38	30	20	CP-16QAM	H	Edge_1RB_Right	12000	20000	-45.67	-25	PASS

Test Graphs

