

Appendix for SA N77_3450-3550MHz

Appendix A: Average Power Output Data for SA

Test Result

Band	SCS	Bandwidth	Modulation	Channel	RB Config	Power (dBm)	Power Class	Verdict
N77-3450-3550	30	100	DFT-QPSK	M	Edge_1RB_Left	26.16	PC2	PASS
N77-3450-3550	30	100	DFT-QPSK	M	Edge_1RB_Right	22.70	PC2	PASS
N77-3450-3550	30	100	DFT-QPSK	M	Outer_Full	27.32	PC2	PASS
N77-3450-3550	30	100	DFT-QPSK	M	Inner_Full	22.98	PC2	PASS
N77-3450-3550	30	100	CP-QPSK	M	Edge_1RB_Left	23.95	PC2	PASS
N77-3450-3550	30	100	CP-QPSK	M	Edge_1RB_Right	22.73	PC2	PASS
N77-3450-3550	30	100	CP-QPSK	M	Outer_Full	23.34	PC2	PASS
N77-3450-3550	30	100	CP-QPSK	M	Inner_Full	25.74	PC2	PASS

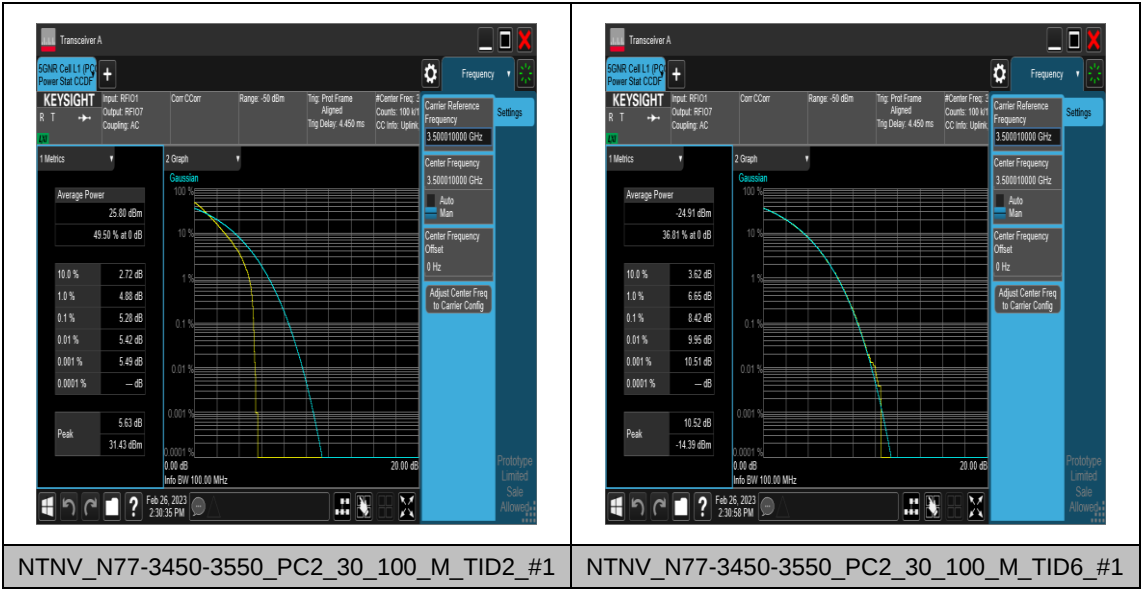
Appendix B: Peak-to-Average Ratio for SA

Peak-to-Average Ratio(CCDF)

Test Result

Band	SCS	Bandwidth	Modulation	Channel	RB Config	Result	Limit	Verdict
N77-3450-3550	30	100	DFT-QPSK	M	Outer_Full	5.28	≤13	PASS
N77-3450-3550	30	100	CP-QPSK	M	Outer_Full	8.42	≤13	PASS

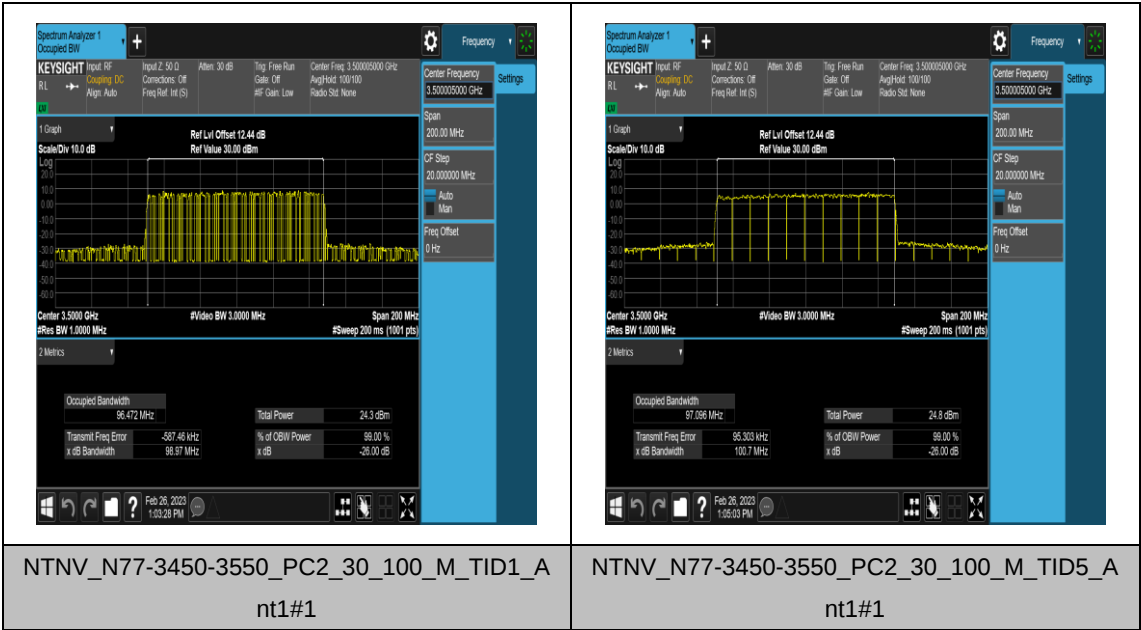
Test Graphs



Appendix C: 26dB Bandwidth and Occupied Bandwidth for SA**Test Result**

Band	SCS	Bandwidth	Modulation	Channel	RB Config	Result (99%)	Result (26dB)	Verdict
N77-3450 -3550	30	100	DFT-QPSK	M	Outer_Full	96.472	98.97	PASS
N77-3450 -3550	30	100	CP-QPSK	M	Outer_Full	97.096	100.7	PASS

Test Graphs



Appendix D: Conducted Spurious Emission for SA

Test Result

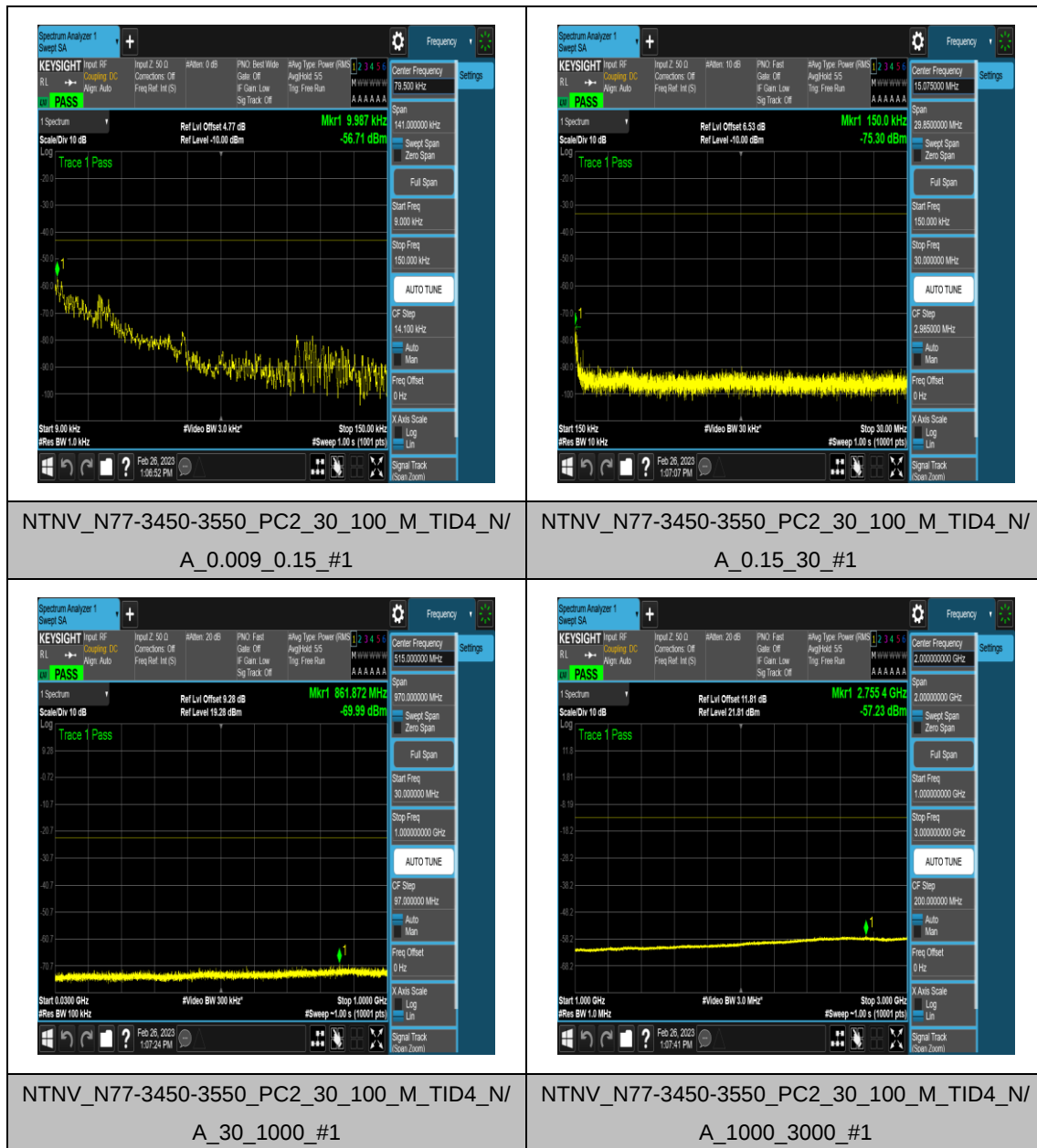
Band	SCS	Bandwidth	Modulation	Channel	RB Config	StartFreq	StopFreq	Result	Limit	Verdict
N77-3 450-35 50	30	100	DFT-QPSK	M	Edge_1RB_Left	0.009	0.15	-56.71	-43	PASS
N77-3 450-35 50	30	100	DFT-QPSK	M	Edge_1RB_Left	0.15	30	-75.30	-33	PASS
N77-3 450-35 50	30	100	DFT-QPSK	M	Edge_1RB_Left	30	1000	-69.99	-23	PASS
N77-3 450-35 50	30	100	DFT-QPSK	M	Edge_1RB_Left	1000	3000	-57.23	-13	PASS
N77-3 450-35 50	30	100	DFT-QPSK	M	Edge_1RB_Left	3000	6000	-49.74	-13	PASS
N77-3 450-35 50	30	100	DFT-QPSK	M	Edge_1RB_Left	6000	26000	-29.98	-13	PASS
N77-3 450-35 50	30	100	DFT-QPSK	M	Edge_1RB_Left	26000	40000	-33.46	-13	PASS
N77-3 450-35 50	30	100	DFT-QPSK	M	Edge_1RB_Right	0.009	0.15	-58.85	-43	PASS
N77-3 450-35 50	30	100	DFT-QPSK	M	Edge_1RB_Right	0.15	30	-73.26	-33	PASS
N77-3 450-35 50	30	100	DFT-QPSK	M	Edge_1RB_Right	30	1000	-70.71	-23	PASS
N77-3 450-35 50	30	100	DFT-QPSK	M	Edge_1RB_Right	1000	3000	-57.22	-13	PASS
N77-3 450-35	30	100	DFT-QPSK	M	Edge_1RB_Right	3000	6000	-49.47	-13	PASS

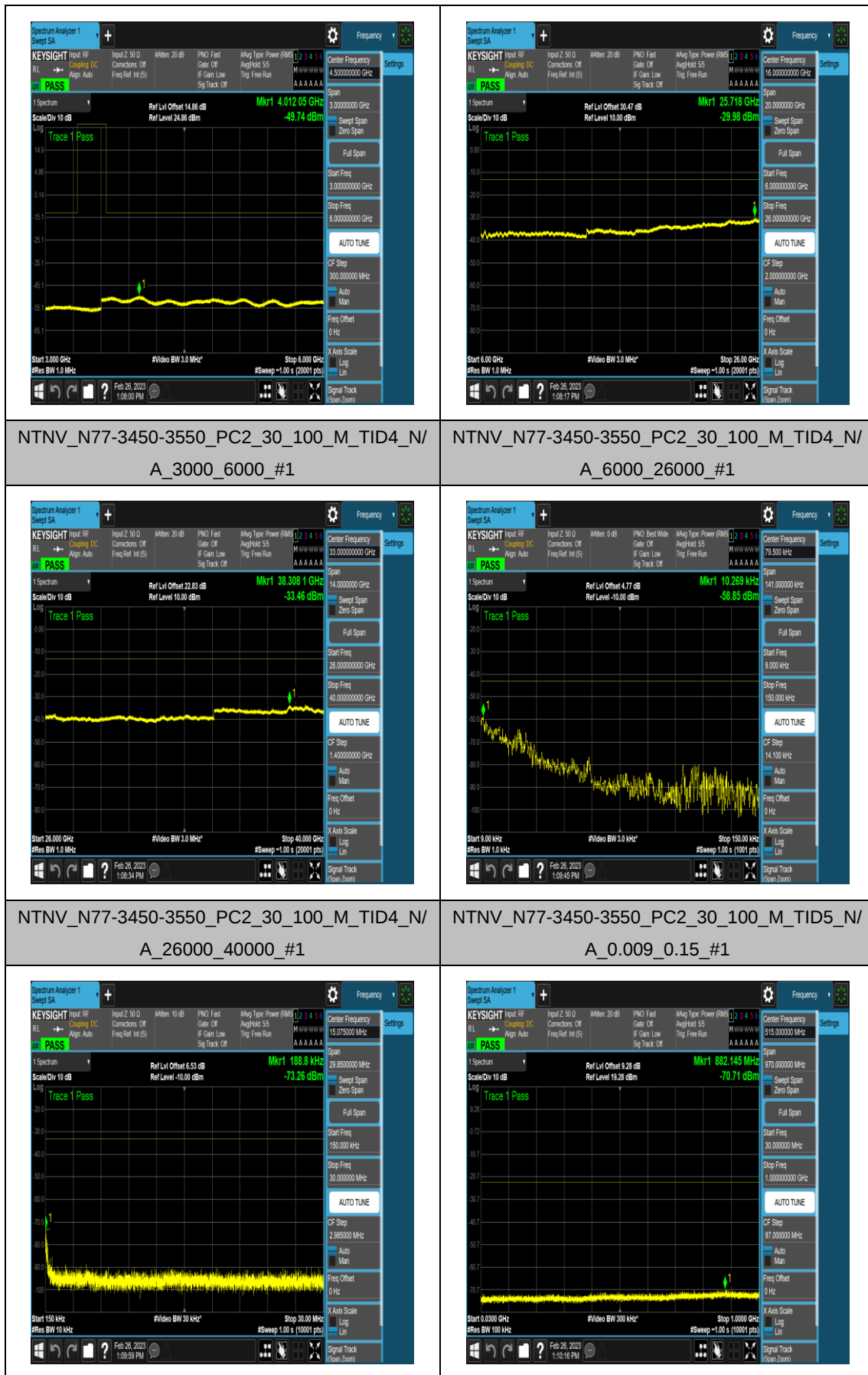
50										
N77-3 450-35 50	30	100	DFT-QPSK	M	Edge_1RB_Right	6000	26000	-30.03	-13	PASS
N77-3 450-35 50	30	100	DFT-QPSK	M	Edge_1RB_Right	26000	40000	-33.67	-13	PASS
N77-3 450-35 50	30	100	DFT-QPSK	M	Outer_Full	0.009	0.15	-57.09	-43	PASS
N77-3 450-35 50	30	100	DFT-QPSK	M	Outer_Full	0.15	30	-72.99	-33	PASS
N77-3 450-35 50	30	100	DFT-QPSK	M	Outer_Full	30	1000	-70.77	-23	PASS
N77-3 450-35 50	30	100	DFT-QPSK	M	Outer_Full	1000	3000	-57.33	-13	PASS
N77-3 450-35 50	30	100	DFT-QPSK	M	Outer_Full	3000	6000	-49.73	-13	PASS
N77-3 450-35 50	30	100	DFT-QPSK	M	Outer_Full	6000	26000	-29.90	-13	PASS
N77-3 450-35 50	30	100	DFT-QPSK	M	Outer_Full	26000	40000	-33.66	-13	PASS
N77-3 450-35 50	30	100	CP-QPSK	M	Edge_1RB_Left	0.009	0.15	-56.40	-43	PASS
N77-3 450-35 50	30	100	CP-QPSK	M	Edge_1RB_Left	0.15	30	-73.10	-33	PASS
N77-3 450-35 50	30	100	CP-QPSK	M	Edge_1RB_Left	30	1000	-70.32	-23	PASS
N77-3 450-35 50	30	100	CP-QPSK	M	Edge_1RB_Left	1000	3000	-57.23	-13	PASS
N77-3 450-35 50	30	100	CP-QPSK	M	Edge_1RB_Left	3000	6000	-49.77	-13	PASS

N77-3 450-35 50	30	100	CP-QPSK	M	Edge_1RB_Left	6000	26000	-30.07	-13	PASS
N77-3 450-35 50	30	100	CP-QPSK	M	Edge_1RB_Left	26000	40000	-33.42	-13	PASS
N77-3 450-35 50	30	100	CP-QPSK	M	Edge_1RB_Right	0.009	0.15	-58.23	-43	PASS
N77-3 450-35 50	30	100	CP-QPSK	M	Edge_1RB_Right	0.15	30	-73.56	-33	PASS
N77-3 450-35 50	30	100	CP-QPSK	M	Edge_1RB_Right	30	1000	-70.95	-23	PASS
N77-3 450-35 50	30	100	CP-QPSK	M	Edge_1RB_Right	1000	3000	-57.28	-13	PASS
N77-3 450-35 50	30	100	CP-QPSK	M	Edge_1RB_Right	3000	6000	-49.74	-13	PASS
N77-3 450-35 50	30	100	CP-QPSK	M	Edge_1RB_Right	6000	26000	-29.99	-13	PASS
N77-3 450-35 50	30	100	CP-QPSK	M	Edge_1RB_Right	26000	40000	-33.66	-13	PASS
N77-3 450-35 50	30	100	CP-QPSK	M	Outer_Full	0.009	0.15	-58.44	-43	PASS
N77-3 450-35 50	30	100	CP-QPSK	M	Outer_Full	0.15	30	-74.33	-33	PASS
N77-3 450-35 50	30	100	CP-QPSK	M	Outer_Full	30	1000	-69.85	-23	PASS
N77-3 450-35 50	30	100	CP-QPSK	M	Outer_Full	1000	3000	-57.26	-13	PASS
N77-3 450-35 50	30	100	CP-QPSK	M	Outer_Full	3000	6000	-49.72	-13	PASS
N77-3	30	100	CP-QPSK	M	Outer_Full	6000	26000	-30.30	-13	PASS

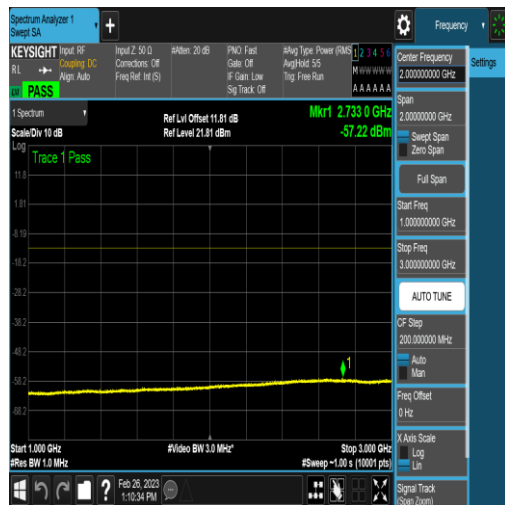
450-35 50										
N77-3 450-35 50	30	100	CP-QPSK	M	Outer_Full	26000	40000	-33.79	-13	PASS

Test Graphs

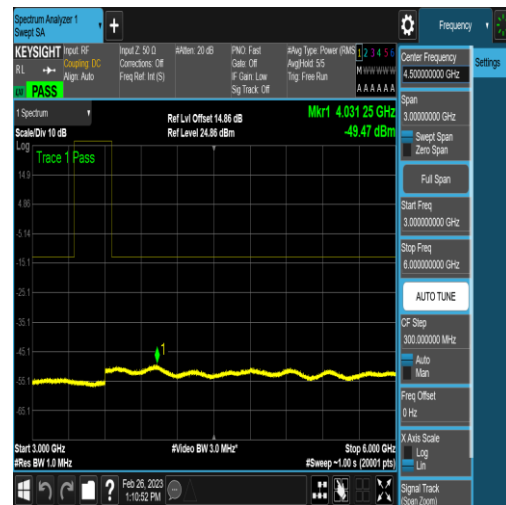




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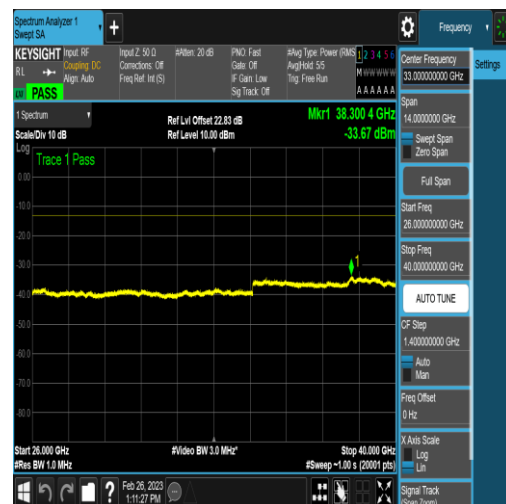
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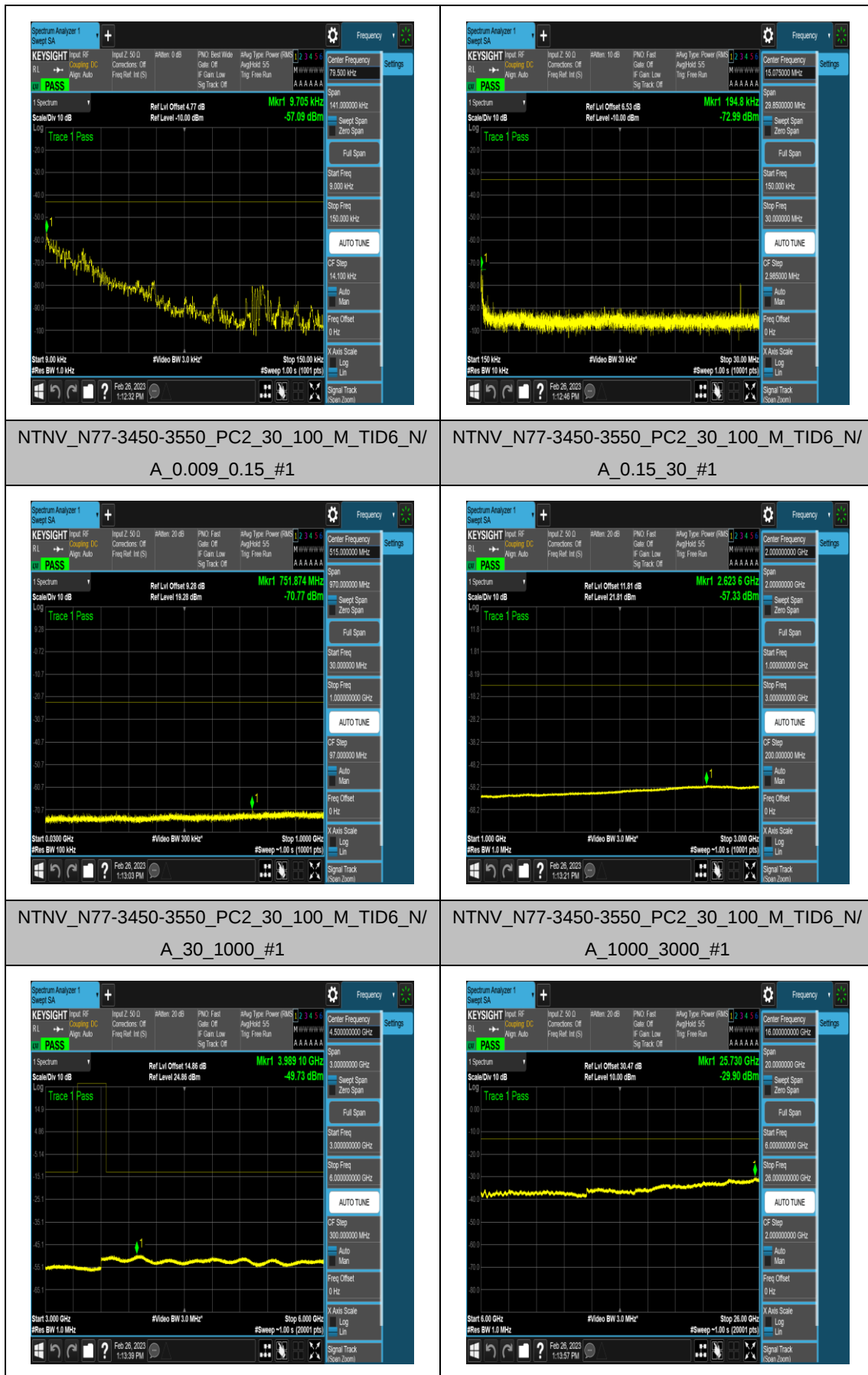


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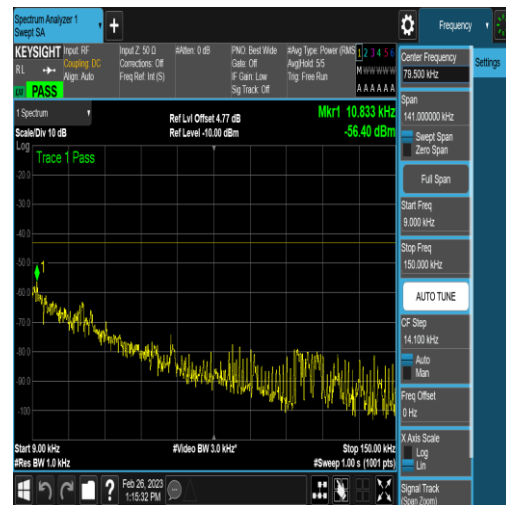
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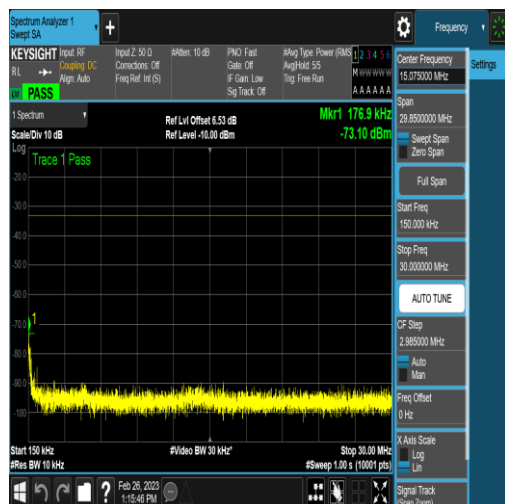
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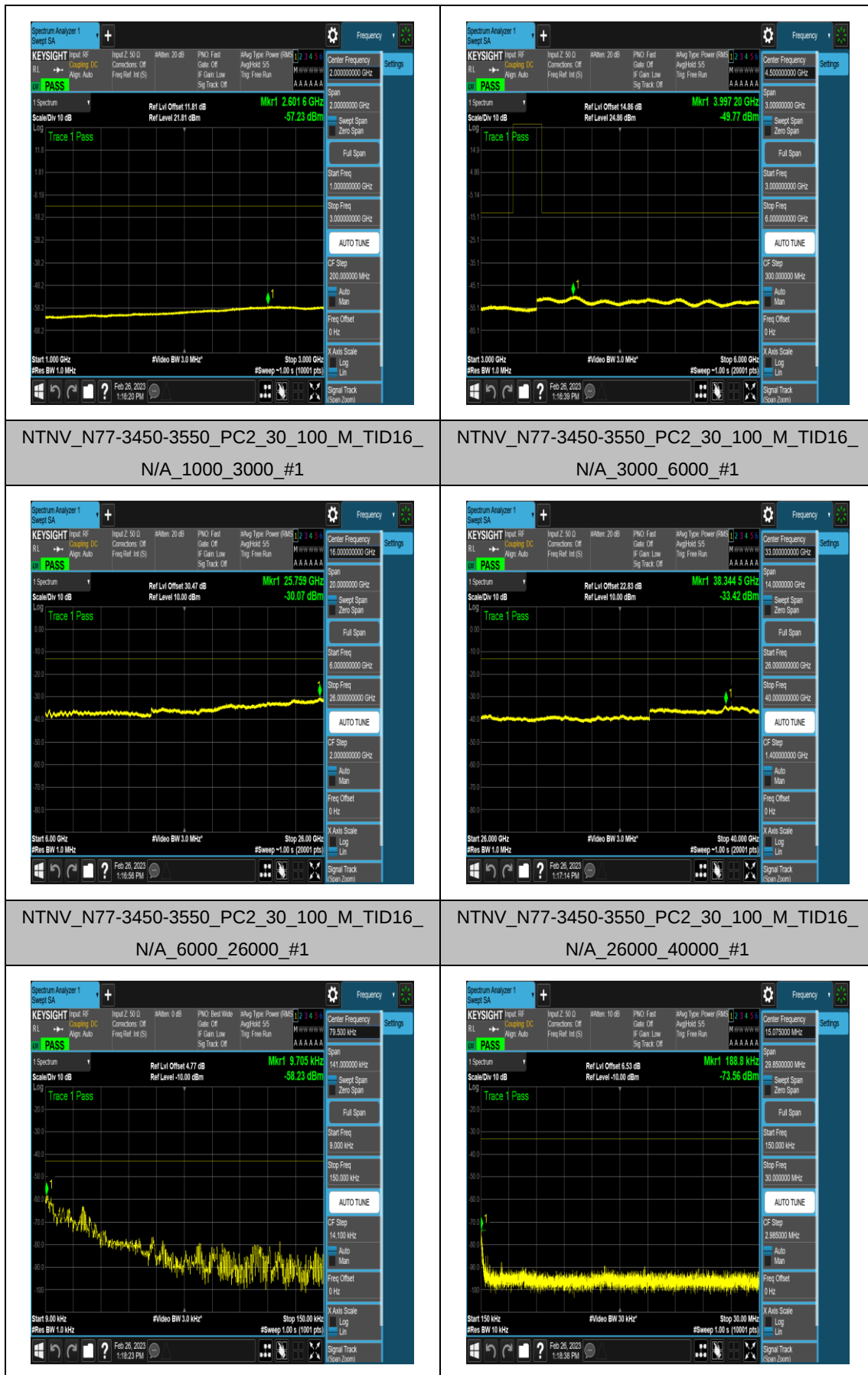


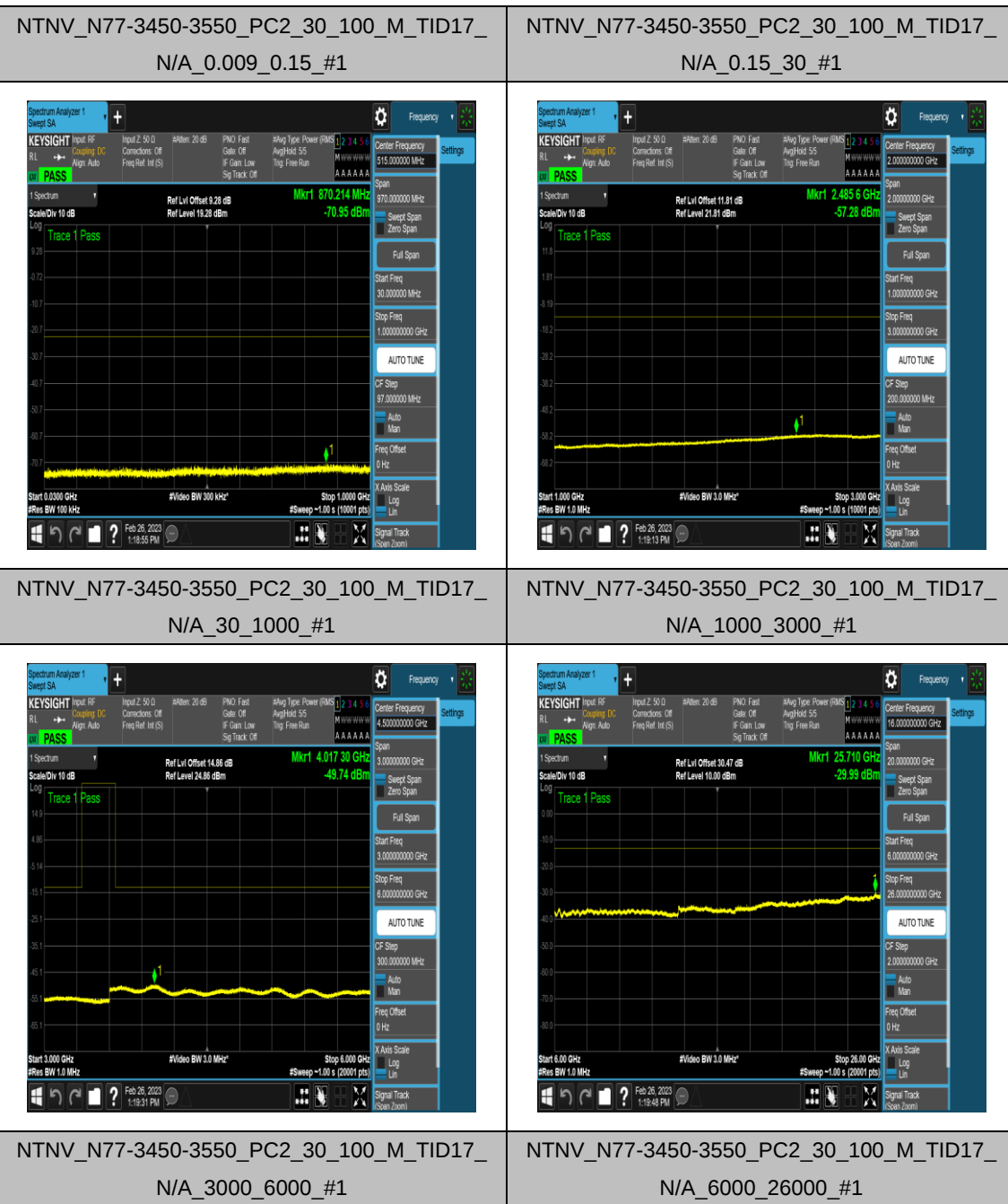
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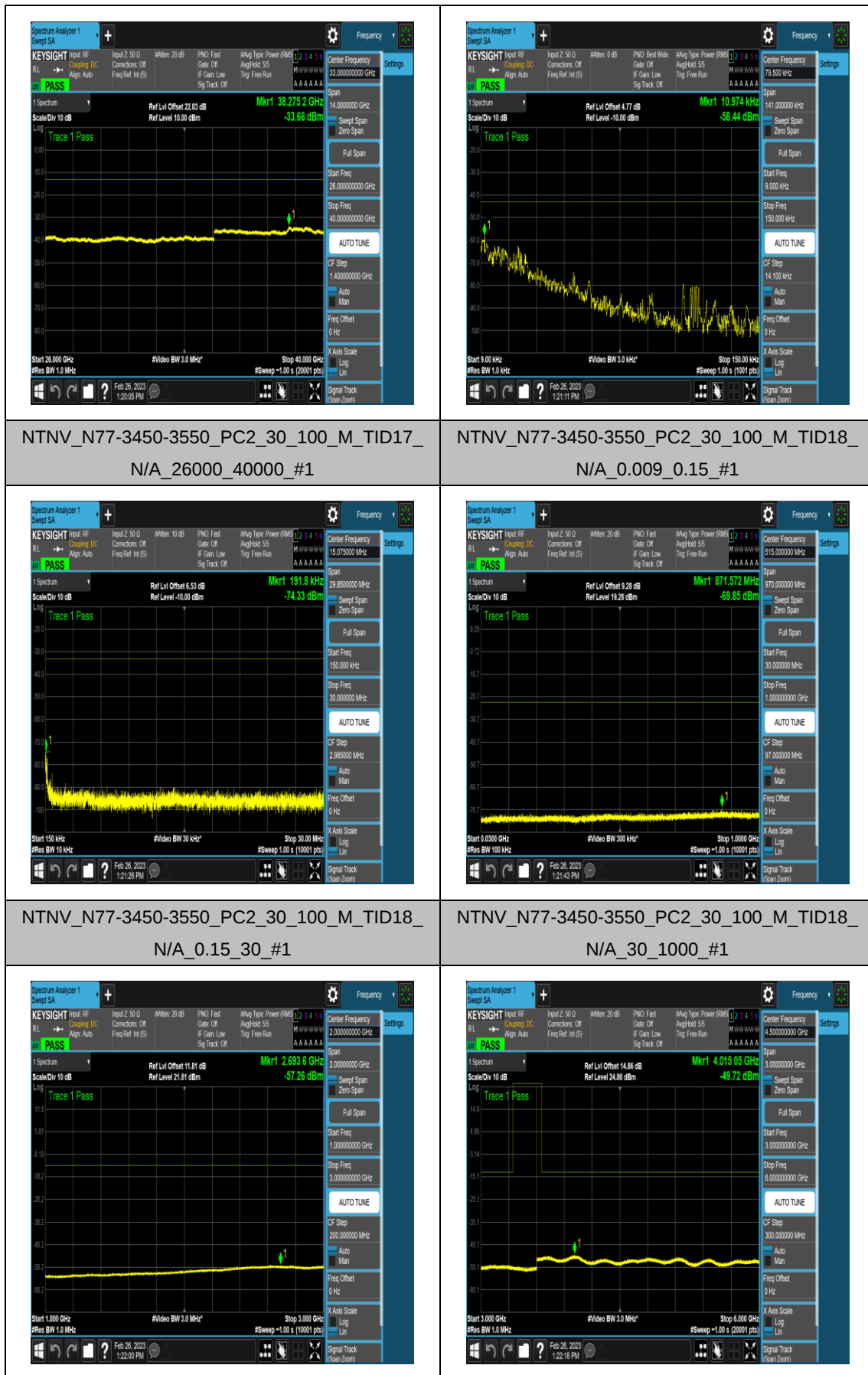


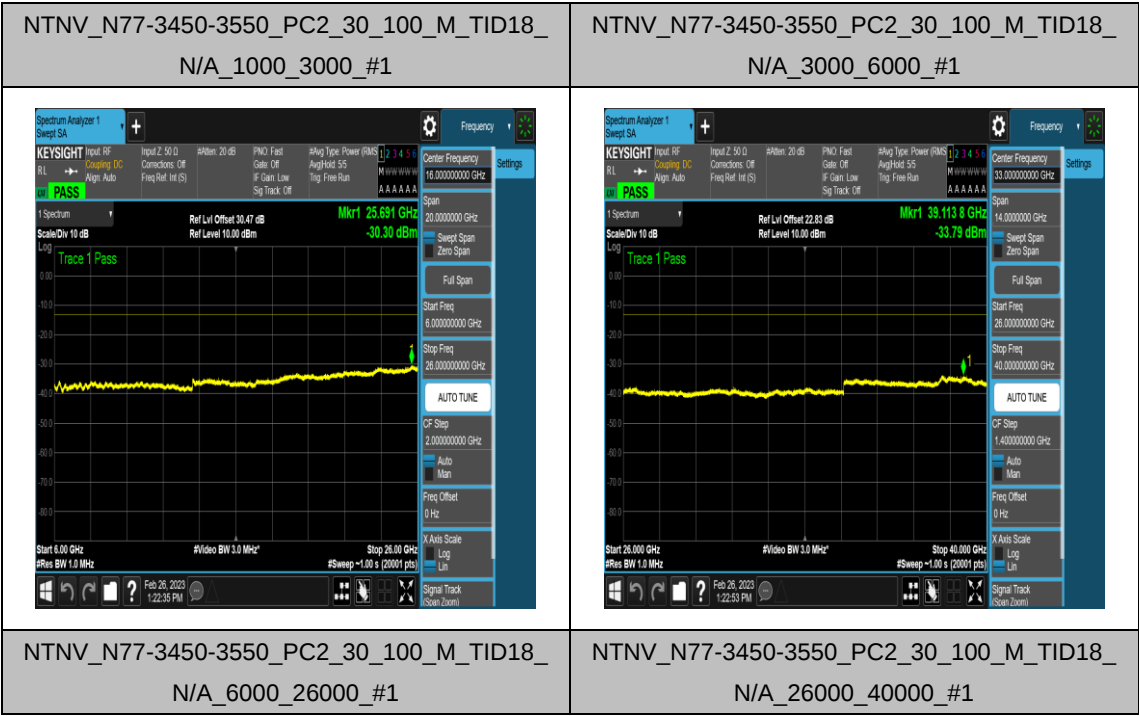
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Appendix E: Frequency Stability for SA

Test Result

Frequency Error VS. Voltage

Voltage										
Band	SCS	Bandwidth	Modulation	Channel	RB Config	Voltage	Temperature	Deviation(Hz)	Deviation (ppm)	Verdict
N77-345 0-3550	30	100	DFT-QPSK	M	Outer_Full	VN	NT	8.26	0.00	PASS
N77-345 0-3550	30	100	CP-QPSK	M	Outer_Full	VN	NT	12.18	0.00	PASS

Frequency Error VS. Temperature

Voltage										
Band	SCS	Bandwidth	Modulation	Channel	RB Config	Voltage	Temperature	Deviation(Hz)	Deviation (ppm)	Verdict
N77-345 0-3550	30	100	DFT-QPSK	M	Outer_Full	NV	TN	-4.841089	-0.001383	PASS
N77-345 0-3550	30	100	CP-QPSK	M	Outer_Full	NV	TN	1.468156	0.000419	PASS

Appendix F: Modulation characteristics for SA

Test Result

Band	SCS	Bandwidth	Modulation	Channel	RB Config	Result	Verdict
N77-3450-3550	30	100	DFT-QPSK	M	Outer_Full	see graph	PASS
N77-3450-3550	30	100	CP-QPSK	M	Outer_Full	see graph	PASS

Test Graphs

