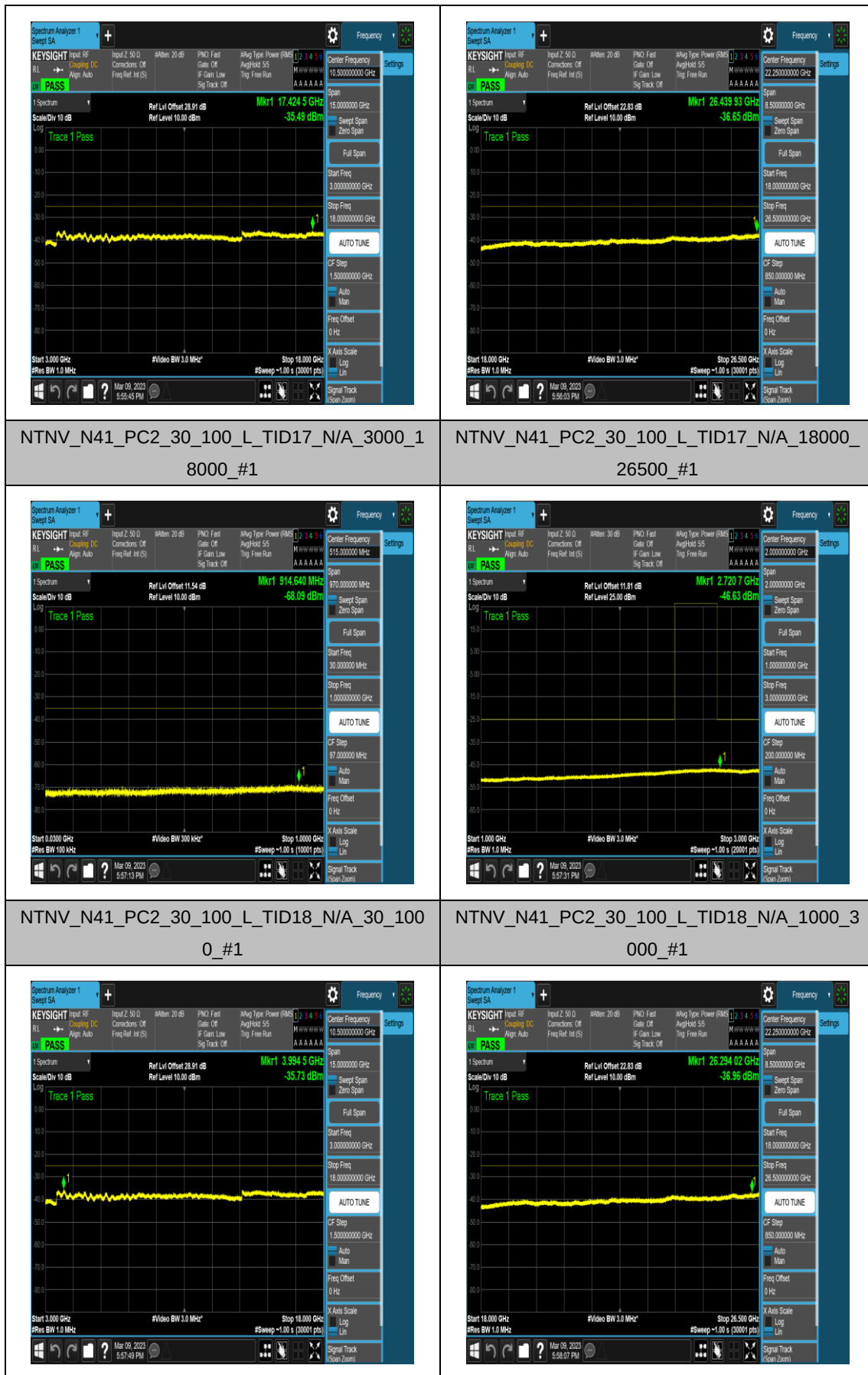
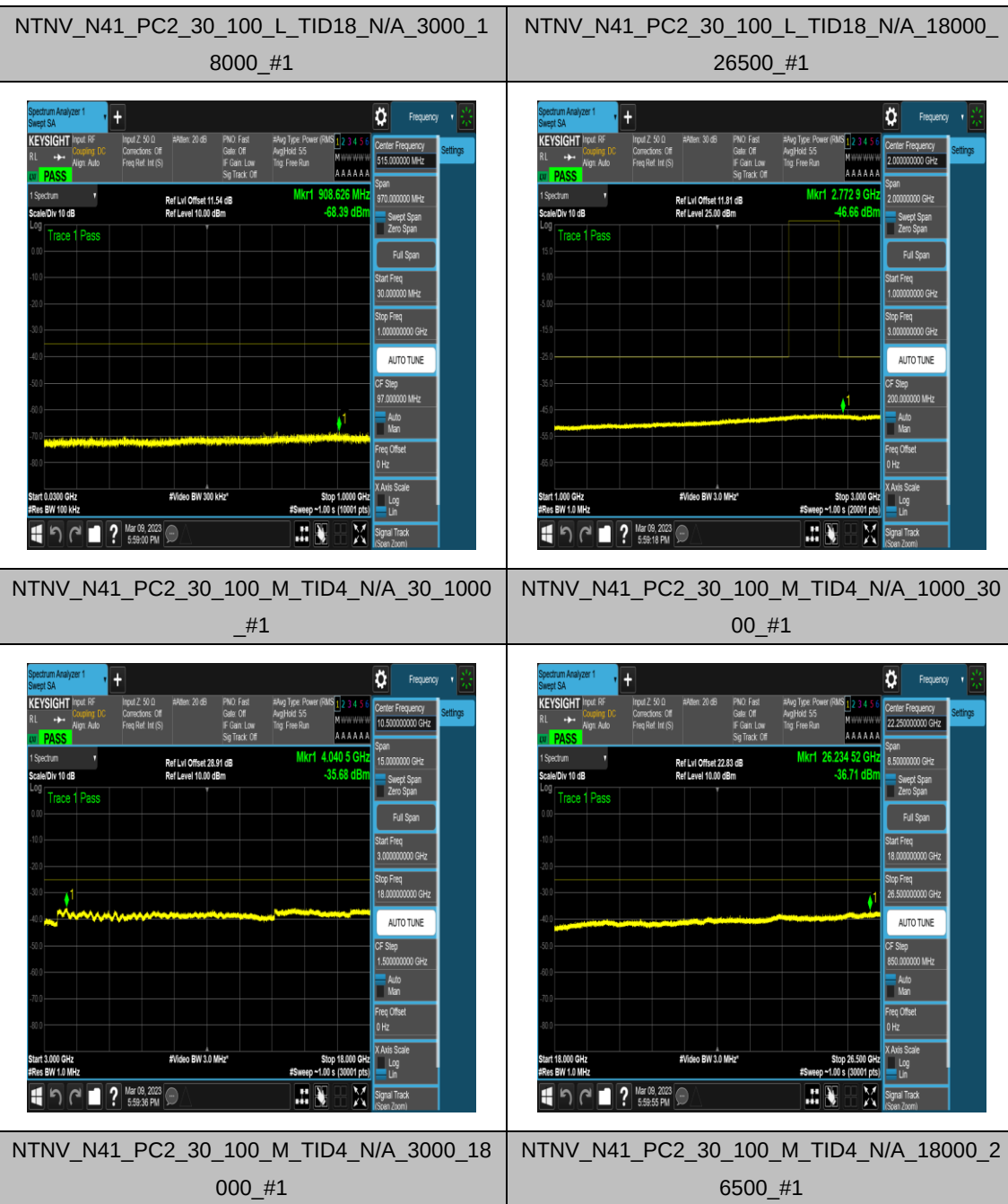
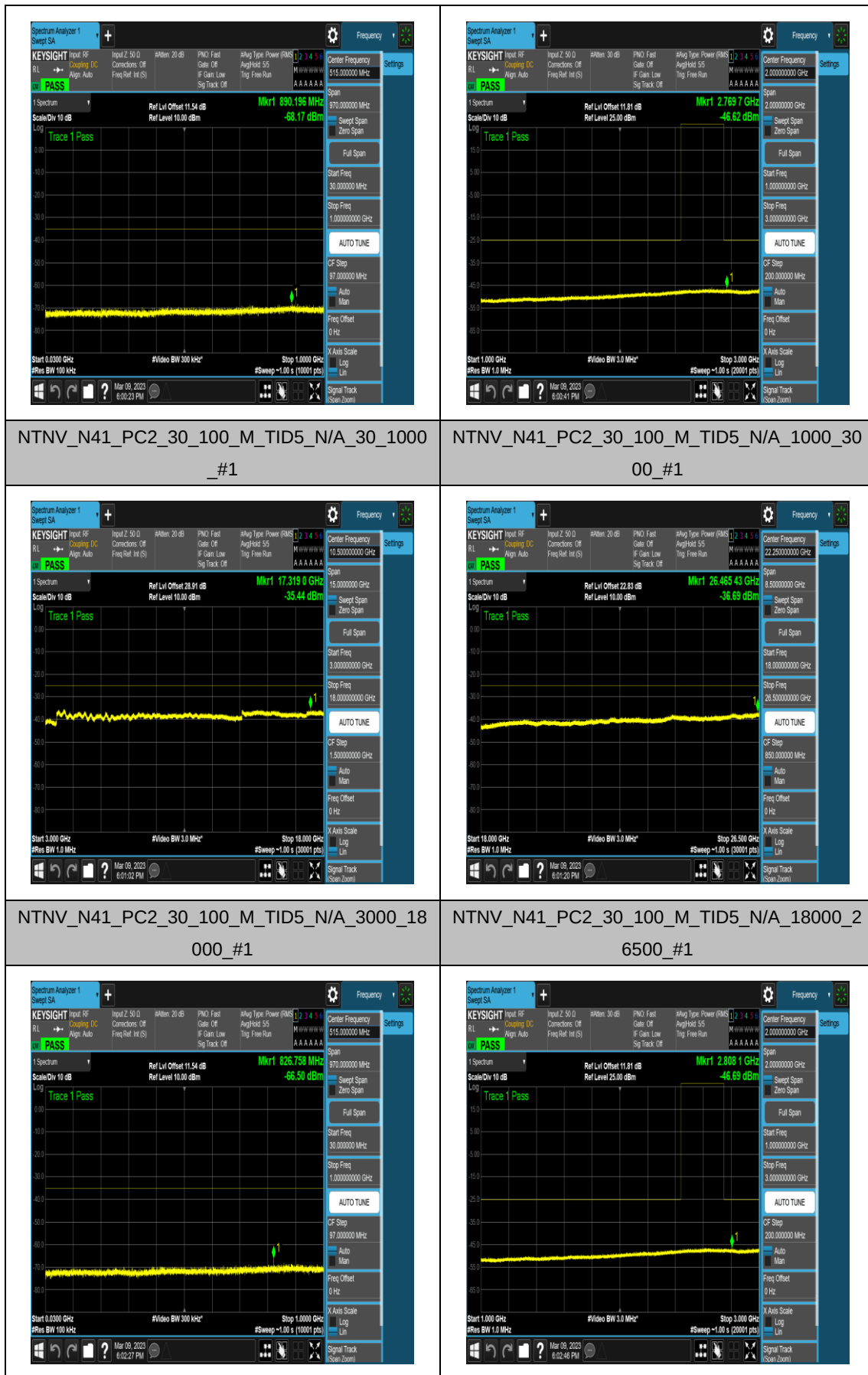
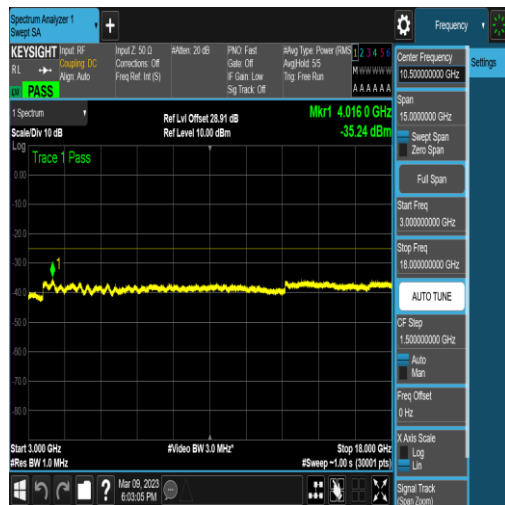




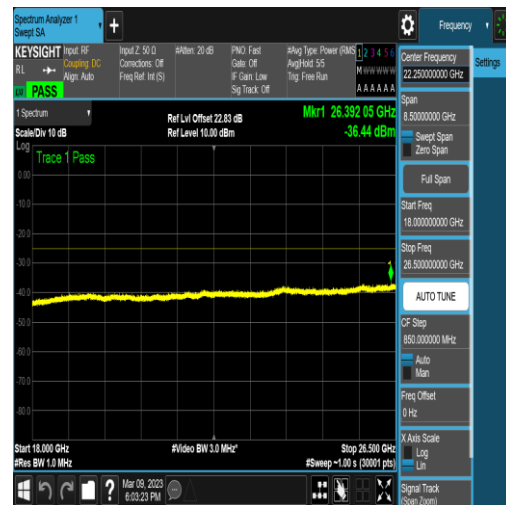




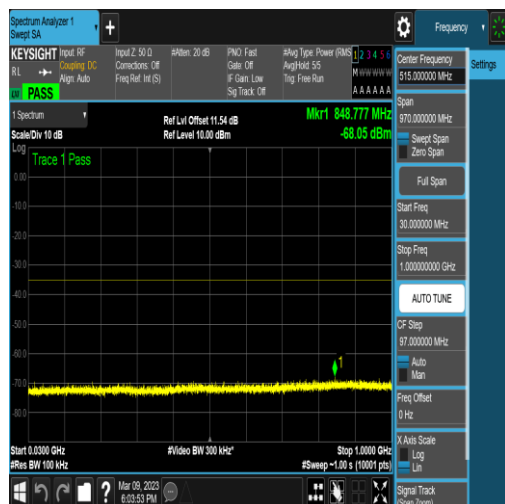
NTNV_N41_PC2_30_100_M_TID6_N/A_30_1000
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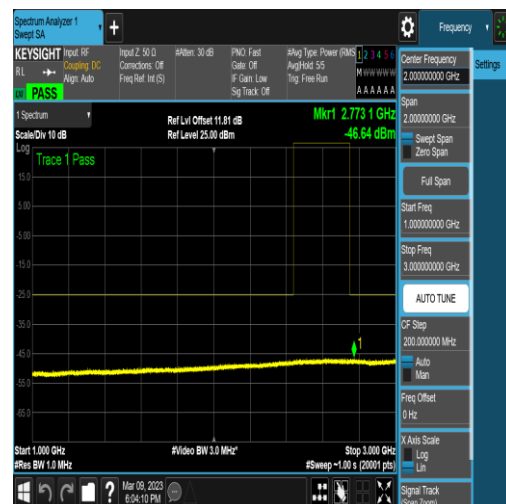
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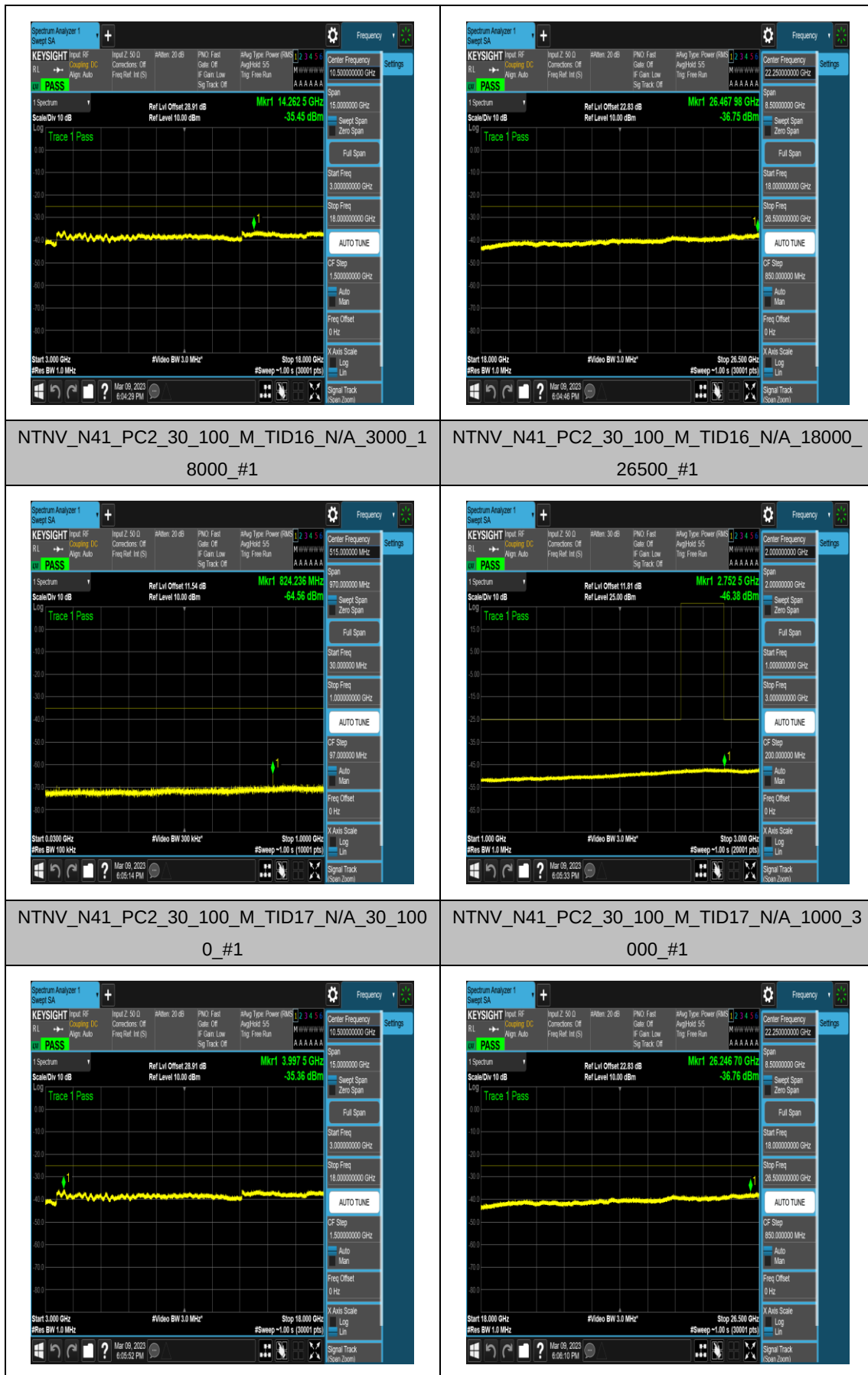


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6500_#1

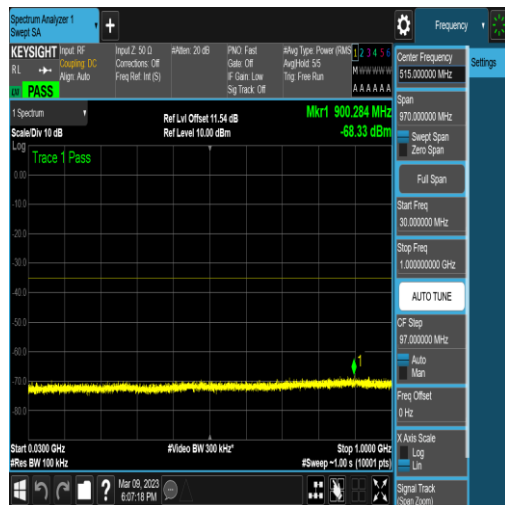


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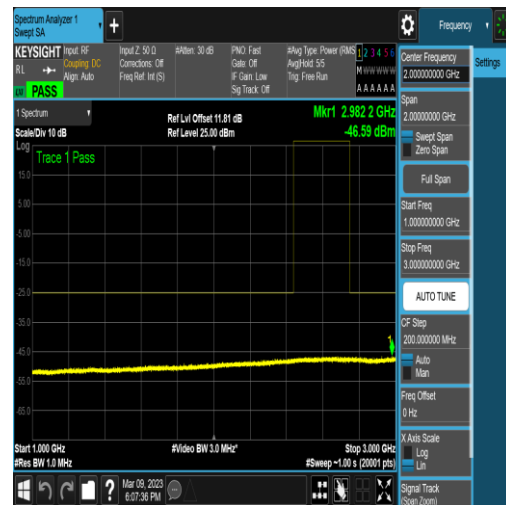
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000_#1



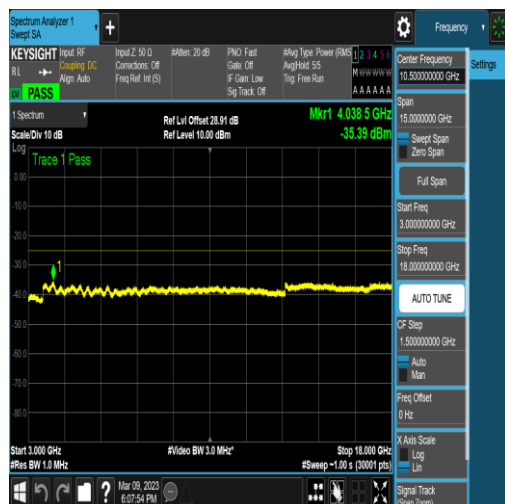
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8000_#1



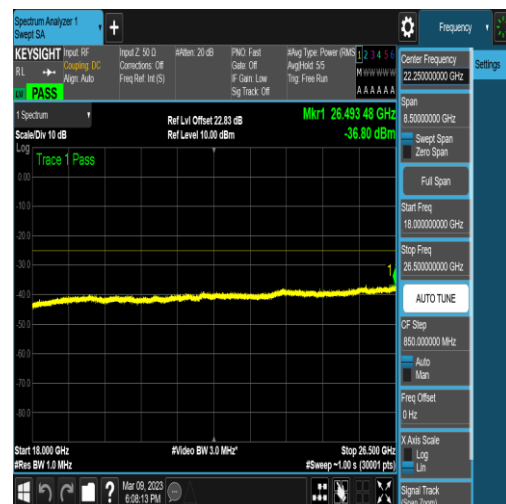
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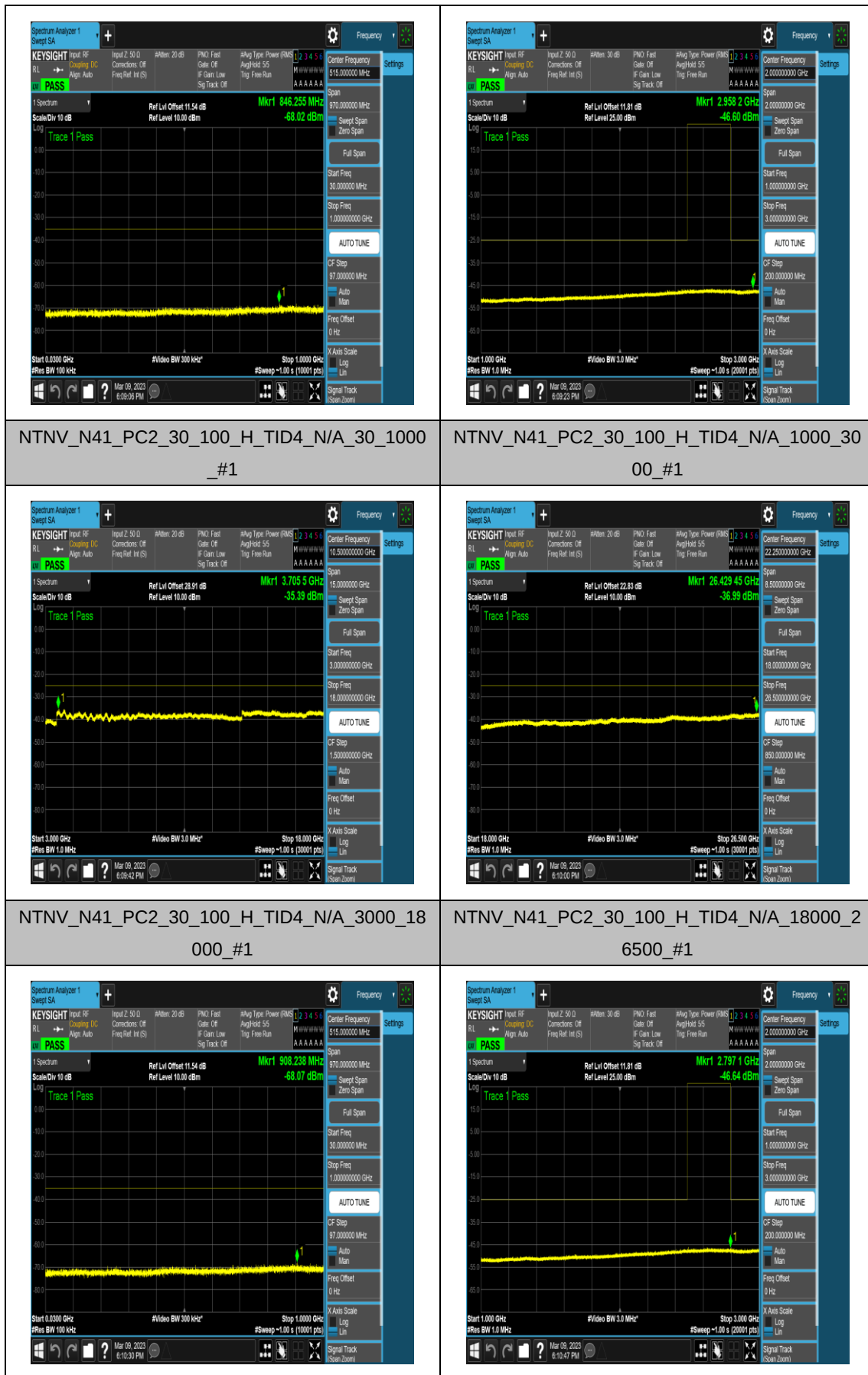


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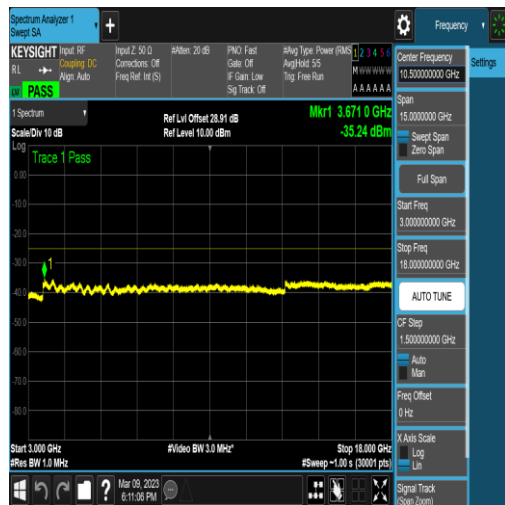


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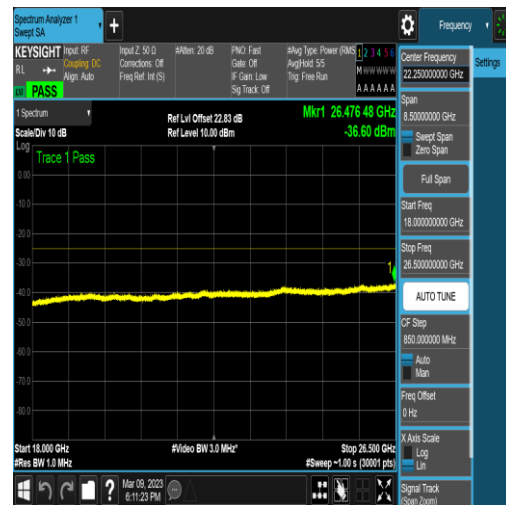
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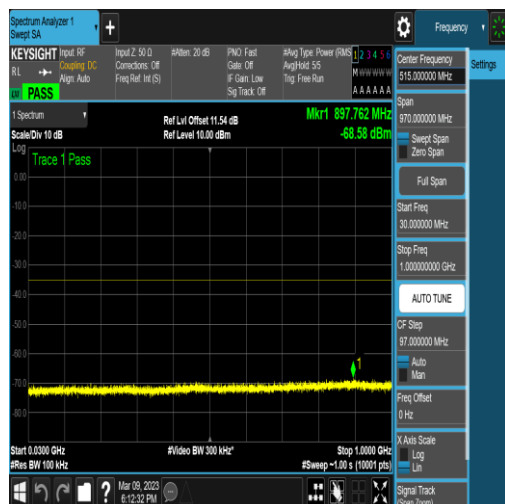
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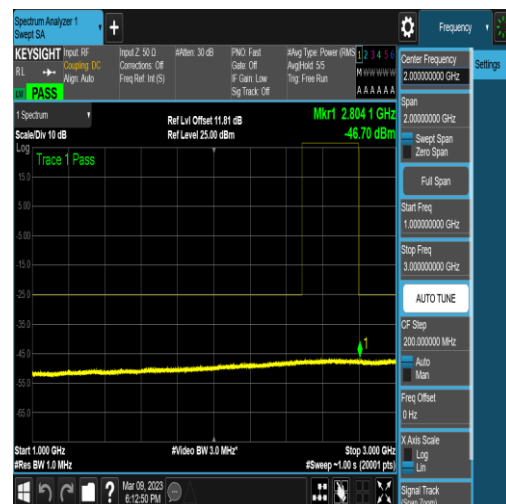
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00_#1



NTNV_N41_PC2_30_100_H_TID5_N/A_3000_18
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NTNV_N41_PC2_30_100_H_TID5_N/A_18000_2
6500_#1

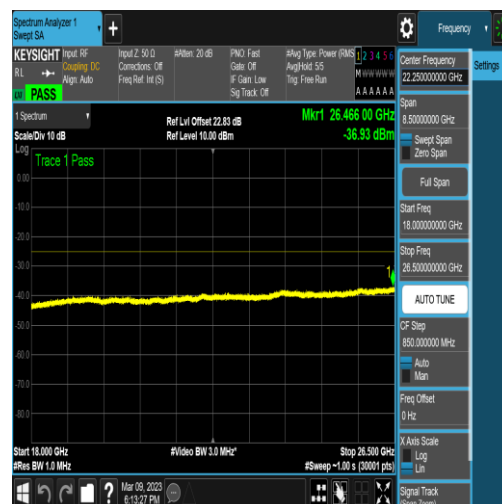


NTNV_N41_PC2_30_100_H_TID6_N/A_30_1000
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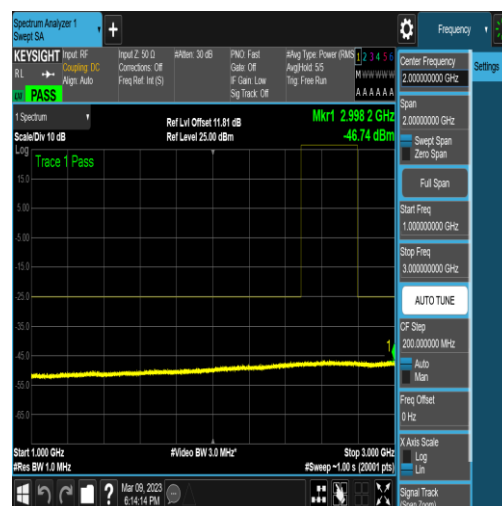
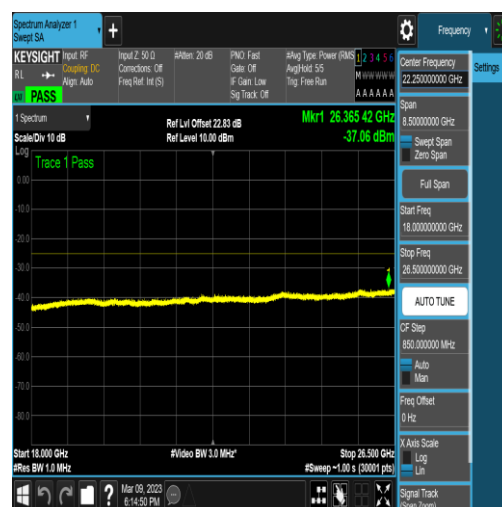


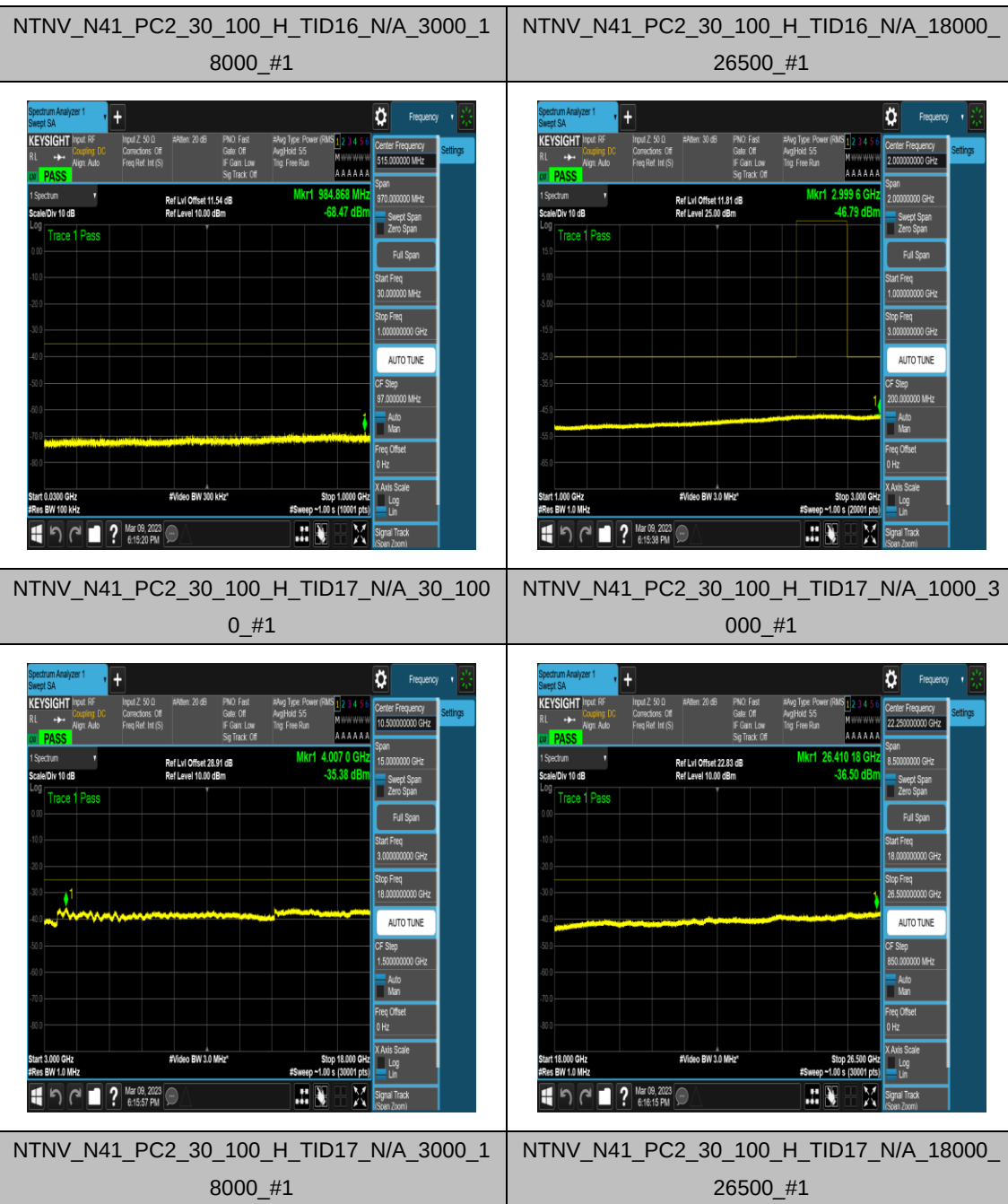
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00_#1

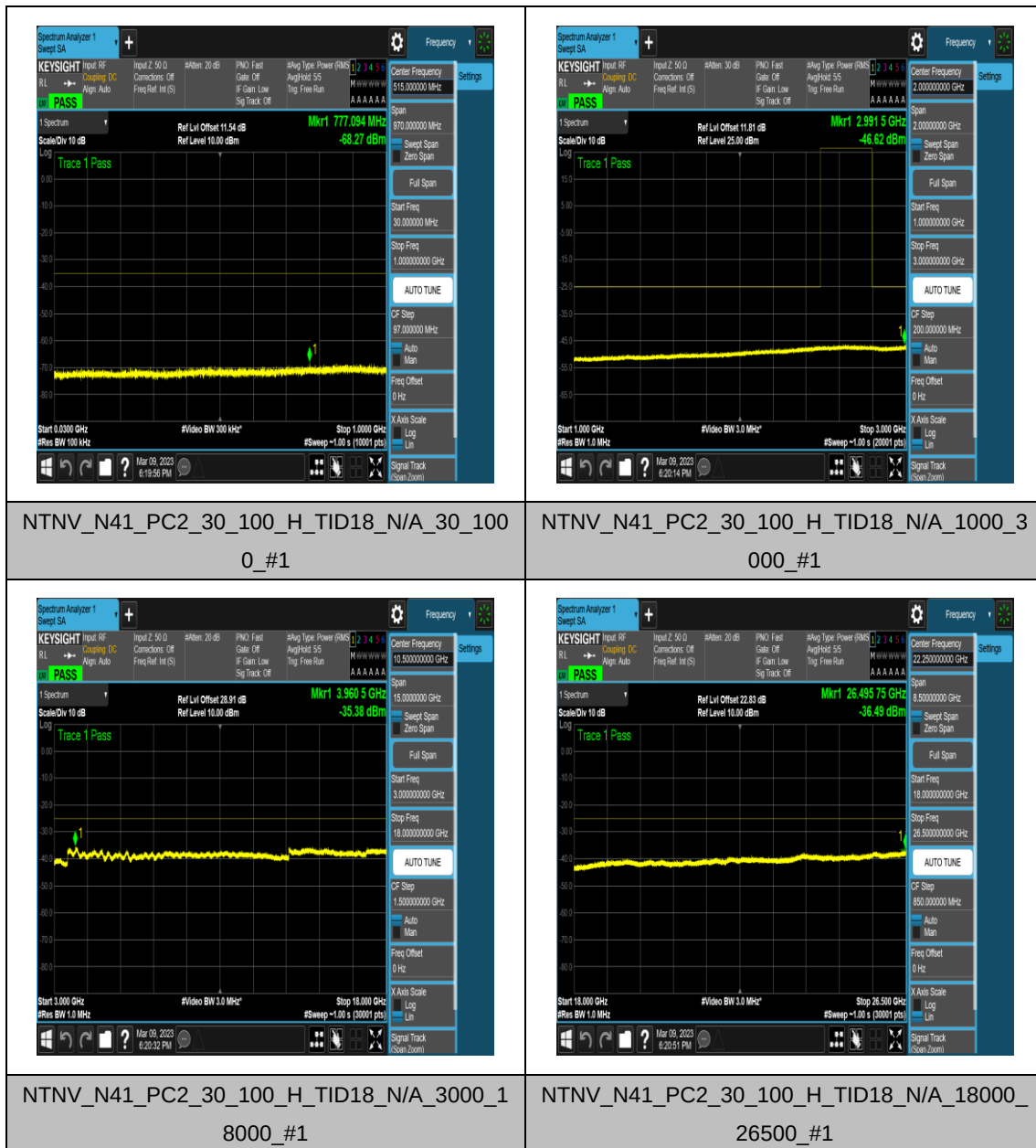




NTNV_N41_PC2_30_100_H_TID6_N/A_18000_2
6500 #1

NTNV_N41_PC2_30_100_H_TID16_N/A_1000_3
000 #1





Appendix F: 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
N41	30	20	DFT-QPSK	L	Outer_Full	VN	NT	-8.17	0.00	PASS
N41	30	20	CP-QPSK	L	Outer_Full	VN	NT	-6.82	0.00	PASS
N41	30	20	DFT-QPSK	M	Outer_Full	VN	NT	-10.72	0.00	PASS
N41	30	20	CP-QPSK	M	Outer_Full	VN	NT	-14.32	-0.01	PASS
N41	30	20	DFT-QPSK	H	Outer_Full	VN	NT	-8.98	0.00	PASS
N41	30	20	CP-QPSK	H	Outer_Full	VN	NT	-9.13	0.00	PASS
N41	30	40	DFT-QPSK	L	Outer_Full	VN	NT	-7.03	0.00	PASS
N41	30	40	CP-QPSK	L	Outer_Full	VN	NT	-13.04	-0.01	PASS
N41	30	40	DFT-QPSK	M	Outer_Full	VN	NT	-8.57	0.00	PASS
N41	30	40	CP-QPSK	M	Outer_Full	VN	NT	-12.81	0.00	PASS
N41	30	40	DFT-QPSK	H	Outer_Full	VN	NT	-7.30	0.00	PASS
N41	30	40	CP-QPSK	H	Outer_Full	VN	NT	-2.01	0.00	PASS
N41	30	60	DFT-QPSK	L	Outer_Full	VN	NT	-13.08	-0.01	PASS
N41	30	60	CP-QPSK	L	Outer_Full	VN	NT	-11.02	0.00	PASS
N41	30	60	DFT-QPSK	M	Outer_Full	VN	NT	-12.96	0.00	PASS
N41	30	60	CP-QPSK	M	Outer_Full	VN	NT	-13.63	-0.01	PASS
N41	30	60	DFT-QPSK	H	Outer_Full	VN	NT	-4.27	0.00	PASS
N41	30	60	CP-QPSK	H	Outer_Full	VN	NT	-15.45	-0.01	PASS
N41	30	100	DFT-QPSK	L	Outer_Full	VN	NT	-12.46	0.00	PASS
N41	30	100	CP-QPSK	L	Outer_Full	VN	NT	-9.65	0.00	PASS
N41	30	100	DFT-QPSK	M	Outer_Full	VN	NT	-1.33	0.00	PASS
N41	30	100	CP-QPSK	M	Outer_Full	VN	NT	-1.90	0.00	PASS
N41	30	100	DFT-QPSK	H	Outer_Full	VN	NT	-11.55	0.00	PASS
N41	30	100	CP-QPSK	H	Outer_Full	VN	NT	-4.74	0.00	PASS

Frequency Error VS. Temperature

Voltage										
Band	SCS	Bandwidth	Modulation	Channel	RB Config	Voltage	Temperature	Deviation(Hz)	Deviation (ppm)	Verdict
N41	30	20	DFT-QPSK	L	Outer_Full	NV	TN	-5.687187	-0.002269	PASS
N41	30	20	CP-QPSK	L	Outer_Full	NV	TN	-7.668270	-0.003060	PASS
N41	30	20	DFT-QPSK	M	Outer_Full	NV	TN	-9.364979	-0.003612	PASS
N41	30	20	CP-QPSK	M	Outer_Full	NV	TN	-9.772575	-0.003769	PASS
N41	30	20	DFT-QPSK	H	Outer_Full	NV	TN	-13.162788	-0.004912	PASS
N41	30	20	CP-QPSK	H	Outer_Full	NV	TN	-10.571026	-0.003944	PASS
N41	30	40	DFT-QPSK	L	Outer_Full	NV	TN	-12.618263	-0.005015	PASS
N41	30	40	CP-QPSK	L	Outer_Full	NV	TN	-3.047341	-0.001211	PASS
N41	30	40	DFT-QPSK	M	Outer_Full	NV	TN	-13.085910	-0.005047	PASS
N41	30	40	CP-QPSK	M	Outer_Full	NV	TN	-11.404978	-0.004398	PASS
N41	30	40	DFT-QPSK	H	Outer_Full	NV	TN	-0.475067	-0.000178	PASS
N41	30	40	CP-QPSK	H	Outer_Full	NV	TN	-4.600349	-0.001723	PASS
N41	30	60	DFT-QPSK	L	Outer_Full	NV	TN	-18.770594	-0.007431	PASS
N41	30	60	CP-QPSK	L	Outer_Full	NV	TN	-14.710480	-0.005824	PASS
N41	30	60	DFT-QPSK	M	Outer_Full	NV	TN	-12.286614	-0.004738	PASS
N41	30	60	CP-QPSK	M	Outer_Full	NV	TN	-3.736101	-0.001441	PASS
N41	30	60	DFT-QPSK	H	Outer_Full	NV	TN	-11.160622	-0.004196	PASS
N41	30	60	CP-QPSK	H	Outer_Full	NV	TN	-7.653931	-0.002877	PASS
N41	30	100	DFT-QPSK	L	Outer_Full	NV	TN	-6.260953	-0.002459	PASS
N41	30	100	CP-QPSK	L	Outer_Full	NV	TN	-1.775470	-0.000697	PASS
N41	30	100	DFT-QPSK	M	Outer_Full	NV	TN	-13.405225	-0.005170	PASS
N41	30	100	CP-QPSK	M	Outer_Full	NV	TN	-6.310287	-0.002434	PASS
N41	30	100	DFT-QPSK	H	Outer_Full	NV	TN	-9.288896	-0.003519	PASS
N41	30	100	CP-QPSK	H	Outer_Full	NV	TN	-9.568994	-0.003625	PASS

Appendix F: Modulation characteristics for SA

Test Result

Band	SCS	Bandwidth	Modulation	Channel	RB Config	Result	Verdict
N41	30	20	DFT-QPSK	L	Outer_Full	see graph	PASS
N41	30	20	CP-QPSK	L	Outer_Full	see graph	PASS
N41	30	20	DFT-QPSK	M	Outer_Full	see graph	PASS
N41	30	20	CP-QPSK	M	Outer_Full	see graph	PASS
N41	30	20	DFT-QPSK	H	Outer_Full	see graph	PASS
N41	30	20	CP-QPSK	H	Outer_Full	see graph	PASS
N41	30	40	DFT-QPSK	L	Outer_Full	see graph	PASS
N41	30	40	CP-QPSK	L	Outer_Full	see graph	PASS
N41	30	40	DFT-QPSK	M	Outer_Full	see graph	PASS
N41	30	40	CP-QPSK	M	Outer_Full	see graph	PASS
N41	30	40	DFT-QPSK	H	Outer_Full	see graph	PASS
N41	30	40	CP-QPSK	H	Outer_Full	see graph	PASS
N41	30	60	DFT-QPSK	L	Outer_Full	see graph	PASS
N41	30	60	CP-QPSK	L	Outer_Full	see graph	PASS
N41	30	60	DFT-QPSK	M	Outer_Full	see graph	PASS
N41	30	60	CP-QPSK	M	Outer_Full	see graph	PASS
N41	30	60	DFT-QPSK	H	Outer_Full	see graph	PASS
N41	30	60	CP-QPSK	H	Outer_Full	see graph	PASS
N41	30	100	DFT-QPSK	L	Outer_Full	see graph	PASS
N41	30	100	CP-QPSK	L	Outer_Full	see graph	PASS
N41	30	100	DFT-QPSK	M	Outer_Full	see graph	PASS
N41	30	100	CP-QPSK	M	Outer_Full	see graph	PASS
N41	30	100	DFT-QPSK	H	Outer_Full	see graph	PASS
N41	30	100	CP-QPSK	H	Outer_Full	see graph	PASS

Test Graphs

