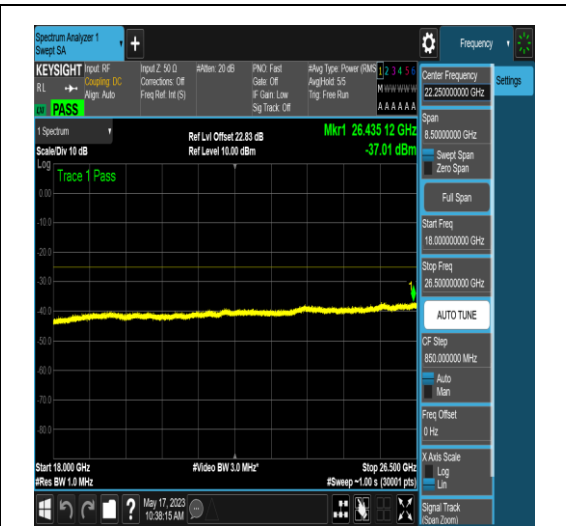
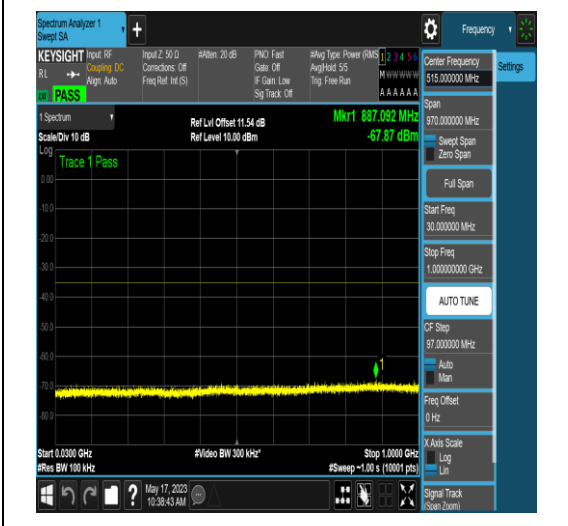


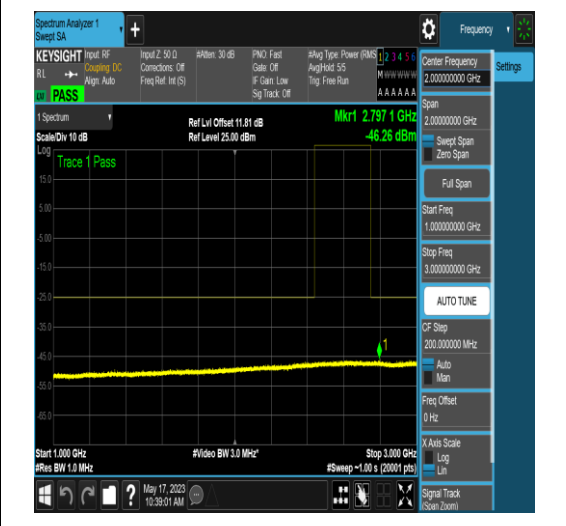
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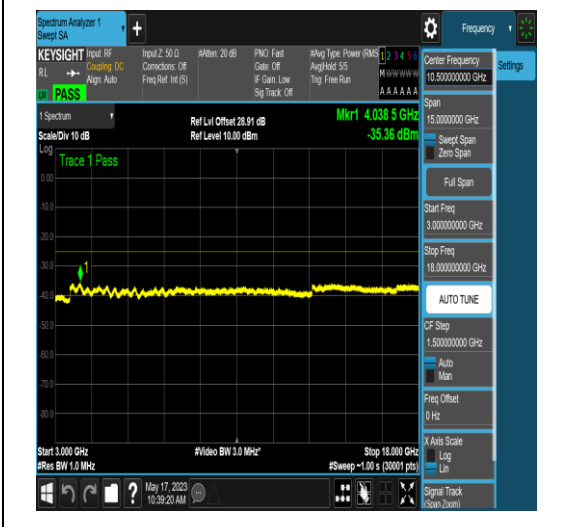
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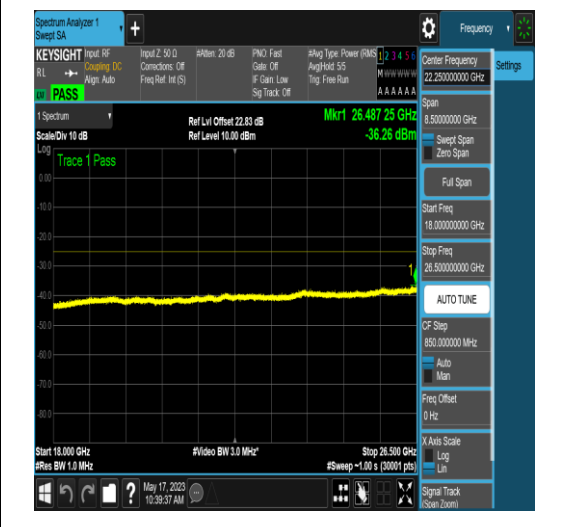
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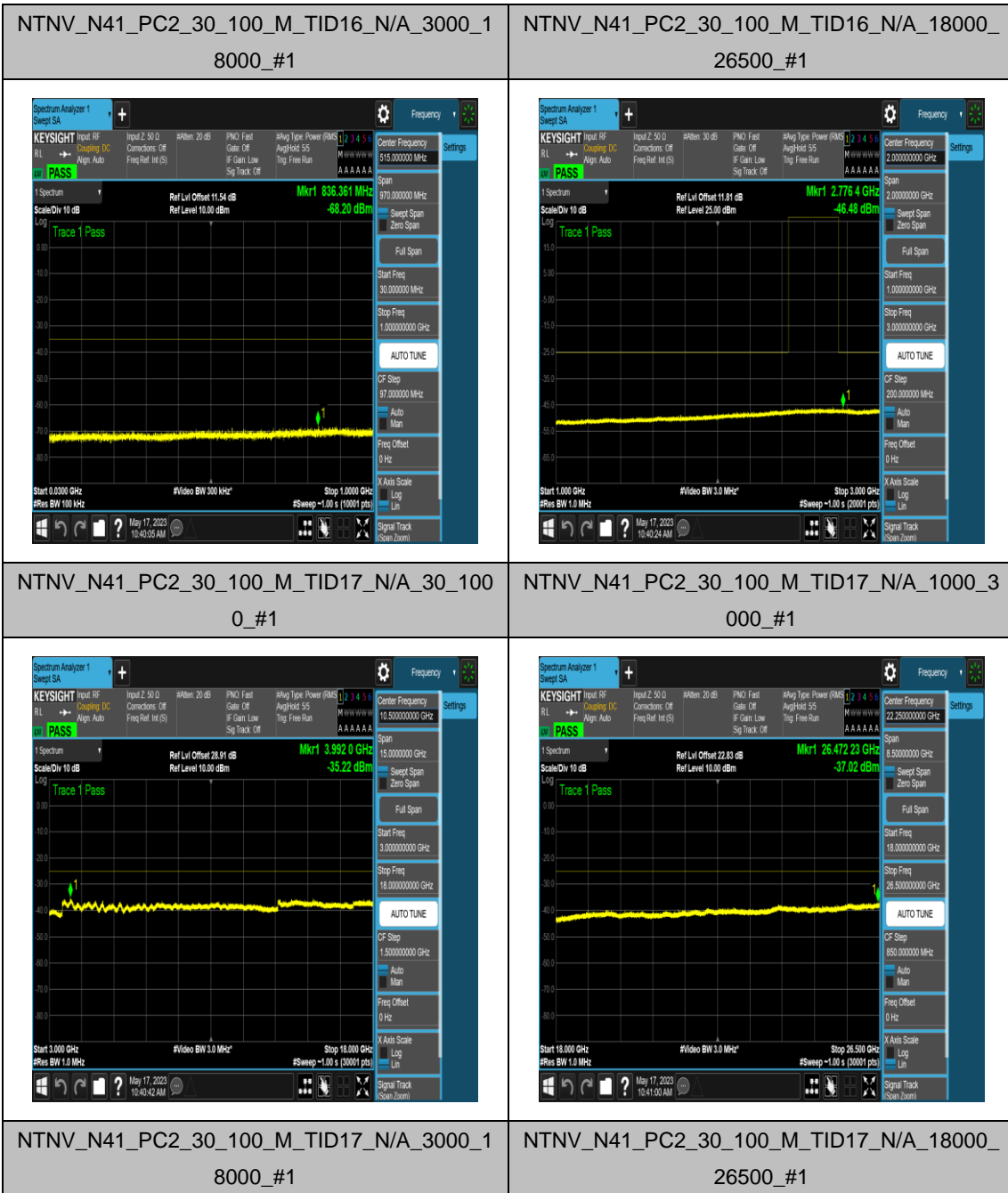
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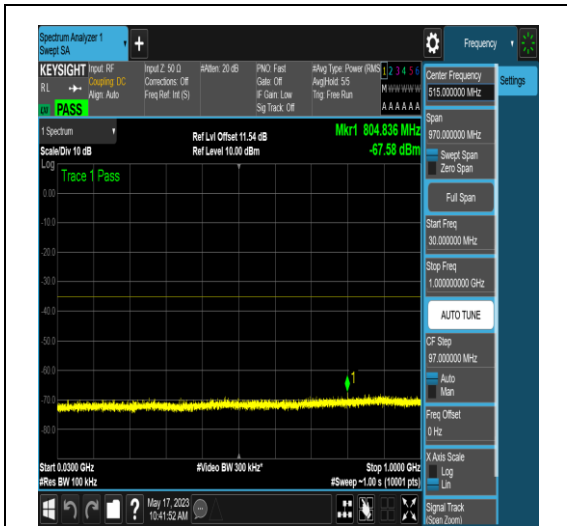


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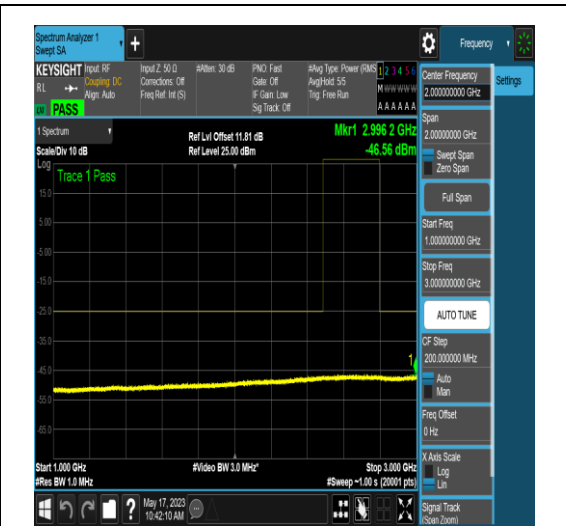


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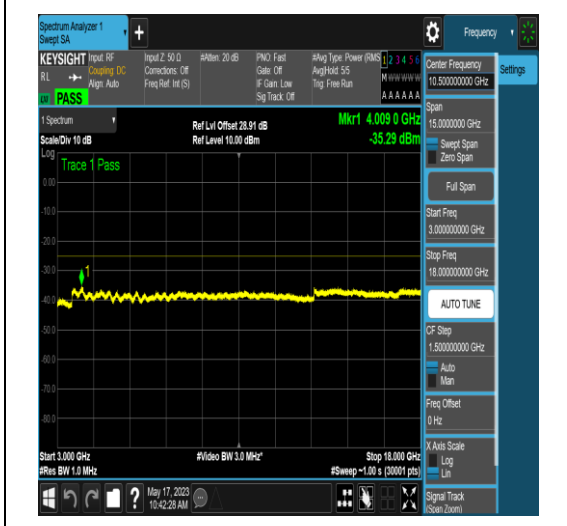




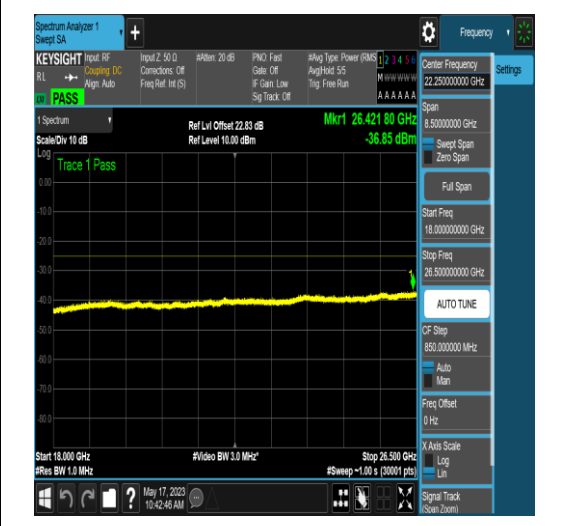
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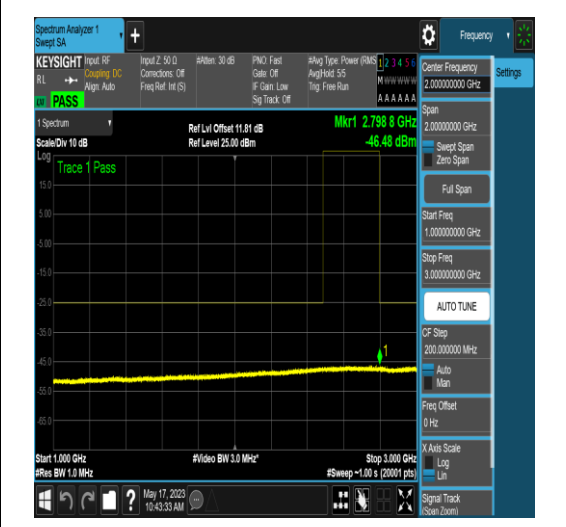
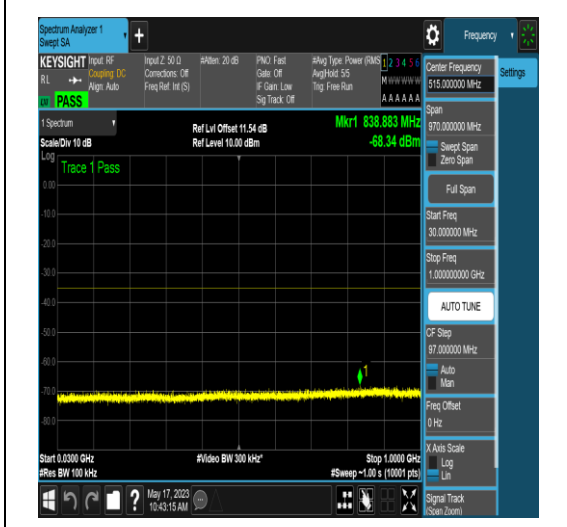
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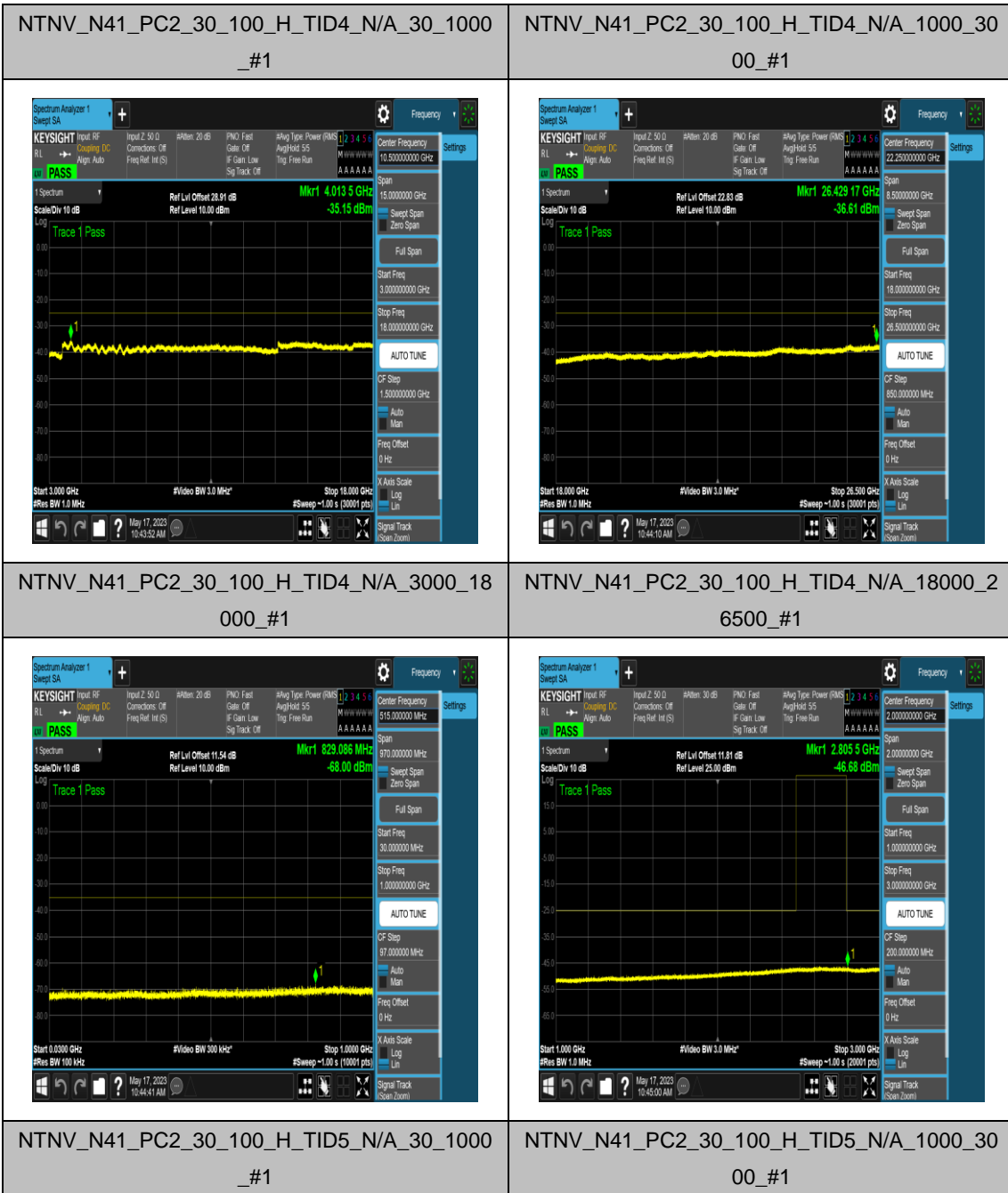


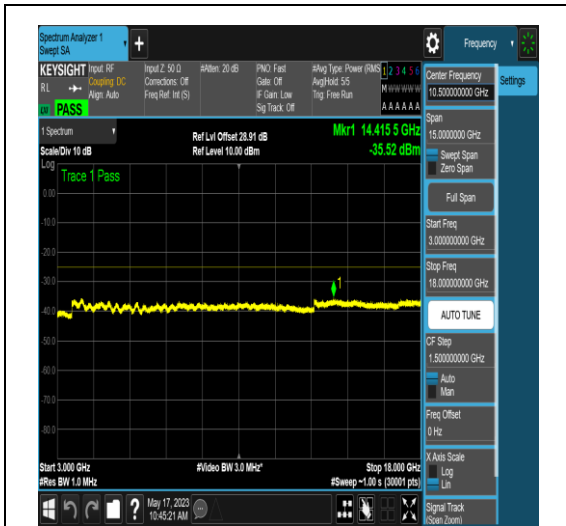
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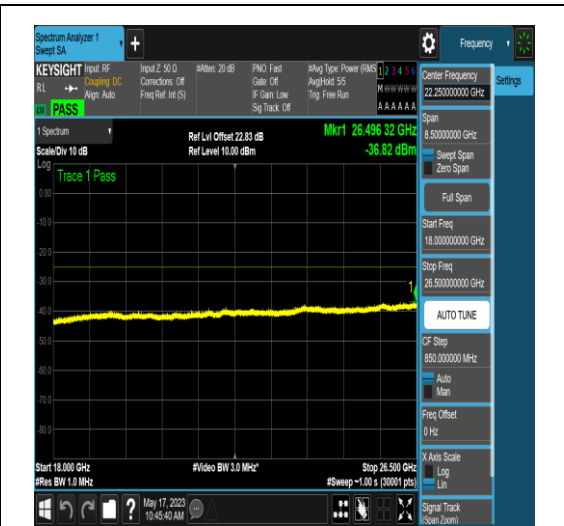
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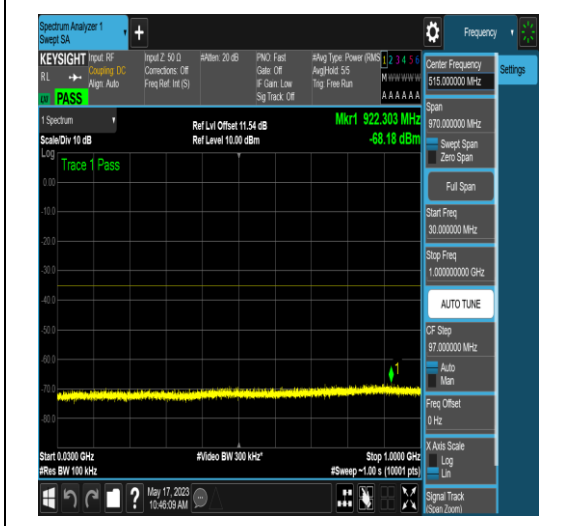




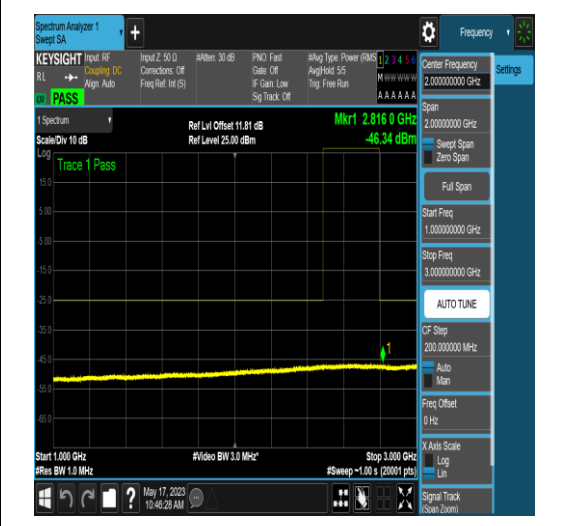
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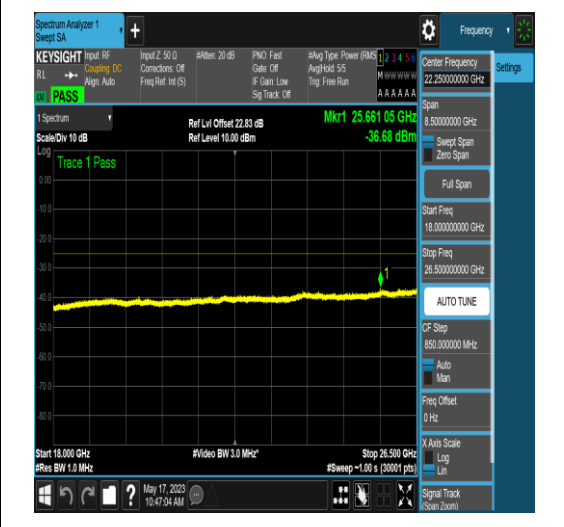
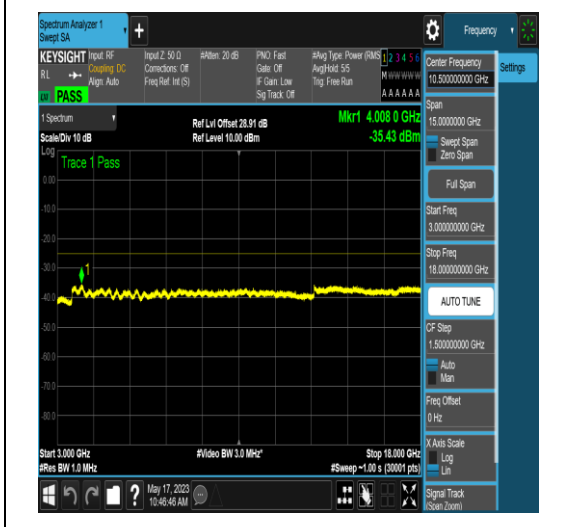
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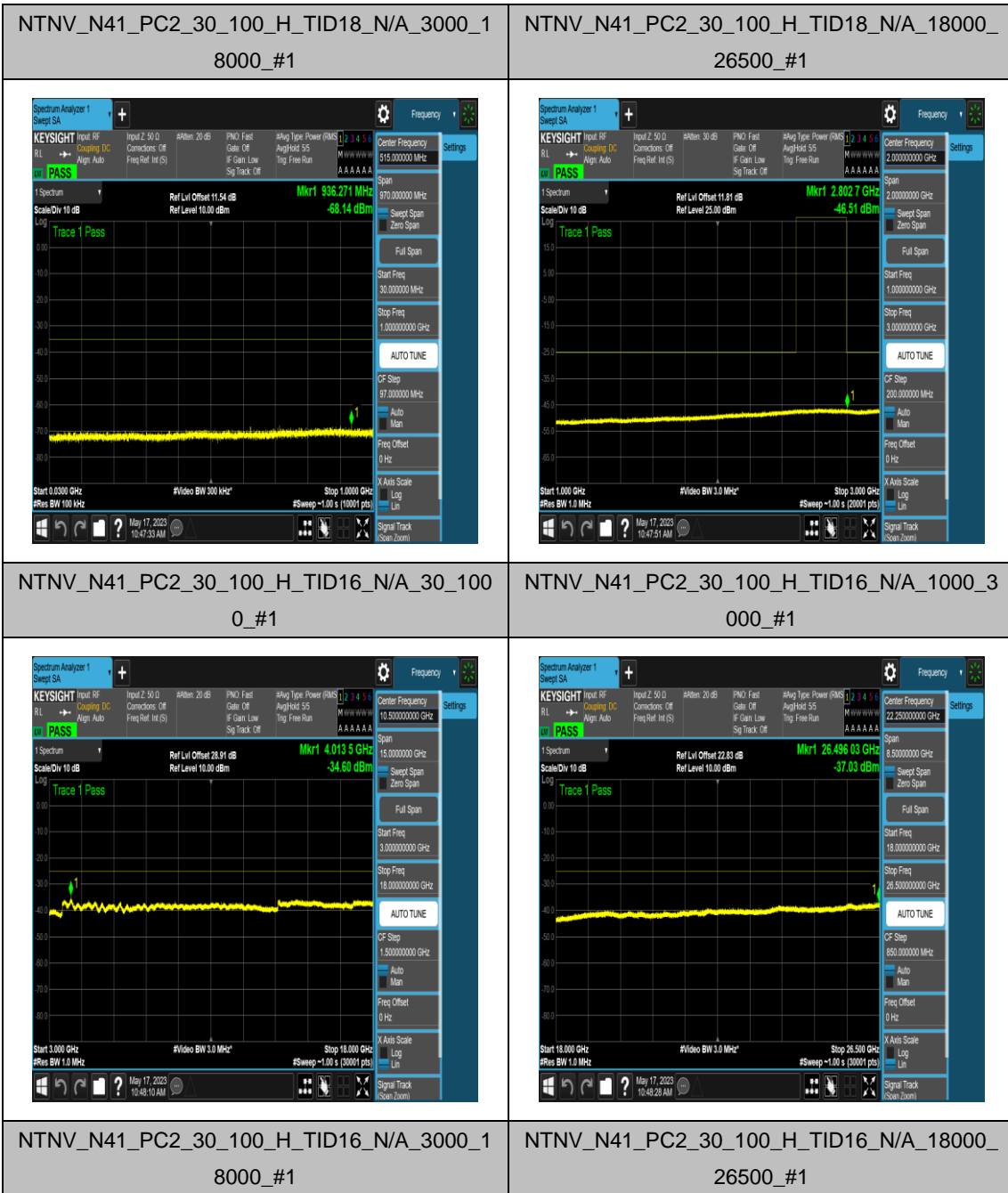


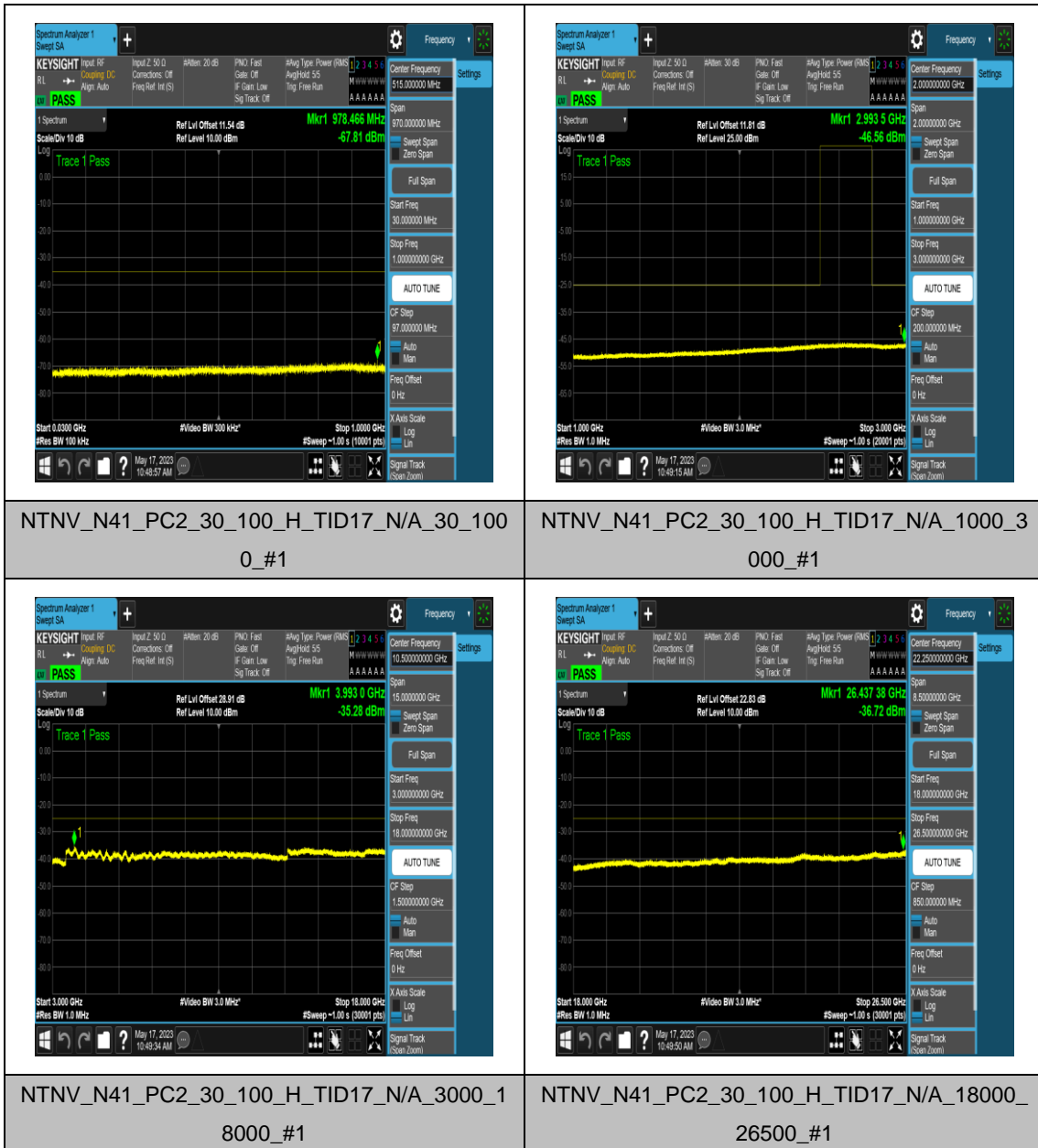
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0_#1

NTNV_N41_PC2_30_100_H_TID17_N/A_1000_3
000_#1

NTNV_N41_PC2_30_100_H_TID17_N/A_3000_1
8000_#1

NTNV_N41_PC2_30_100_H_TID17_N/A_18000_
26500_#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	10	DFT-QPSK	L	Outer_Full	VN	NT	-4.14	0.00	PASS
N41	30	10	CP-QPSK	L	Outer_Full	VN	NT	-11.52	0.00	PASS
N41	30	10	DFT-QPSK	M	Outer_Full	VN	NT	-1.35	0.00	PASS
N41	30	10	CP-QPSK	M	Outer_Full	VN	NT	1.30	0.00	PASS
N41	30	10	DFT-QPSK	H	Outer_Full	VN	NT	-4.49	0.00	PASS
N41	30	10	CP-QPSK	H	Outer_Full	VN	NT	-1.41	0.00	PASS
N41	30	15	DFT-QPSK	L	Outer_Full	VN	NT	-3.09	0.00	PASS
N41	30	15	CP-QPSK	L	Outer_Full	VN	NT	-1.91	0.00	PASS
N41	30	15	DFT-QPSK	M	Outer_Full	VN	NT	-2.45	0.00	PASS
N41	30	15	CP-QPSK	M	Outer_Full	VN	NT	1.07	0.00	PASS
N41	30	15	DFT-QPSK	H	Outer_Full	VN	NT	-4.50	0.00	PASS
N41	30	15	CP-QPSK	H	Outer_Full	VN	NT	0.19	0.00	PASS
N41	30	20	DFT-QPSK	L	Outer_Full	VN	NT	-1.91	0.00	PASS
N41	30	20	CP-QPSK	L	Outer_Full	VN	NT	-3.31	0.00	PASS
N41	30	20	DFT-QPSK	M	Outer_Full	VN	NT	-1.81	0.00	PASS
N41	30	20	CP-QPSK	M	Outer_Full	VN	NT	-1.47	0.00	PASS
N41	30	20	DFT-QPSK	H	Outer_Full	VN	NT	-0.63	0.00	PASS
N41	30	20	CP-QPSK	H	Outer_Full	VN	NT	0.42	0.00	PASS
N41	30	40	DFT-QPSK	L	Outer_Full	VN	NT	-1.31	0.00	PASS
N41	30	40	CP-QPSK	L	Outer_Full	VN	NT	-6.21	0.00	PASS
N41	30	40	DFT-QPSK	M	Outer_Full	VN	NT	0.43	0.00	PASS
N41	30	40	CP-QPSK	M	Outer_Full	VN	NT	-2.99	0.00	PASS
N41	30	40	DFT-QPSK	H	Outer_Full	VN	NT	-2.72	0.00	PASS
N41	30	40	CP-QPSK	H	Outer_Full	VN	NT	-6.89	0.00	PASS
N41	30	50	DFT-QPSK	L	Outer_Full	VN	NT	0.61	0.00	PASS
N41	30	50	CP-QPSK	L	Outer_Full	VN	NT	-4.93	0.00	PASS
N41	30	50	DFT-QPSK	M	Outer_Full	VN	NT	-3.21	0.00	PASS
N41	30	50	CP-QPSK	M	Outer_Full	VN	NT	-1.60	0.00	PASS
N41	30	50	DFT-QPSK	H	Outer_Full	VN	NT	-3.05	0.00	PASS
N41	30	50	CP-QPSK	H	Outer_Full	VN	NT	-3.59	0.00	PASS

N41	30	60	DFT-QPSK	L	Outer_Full	VN	NT	3.01	0.00	PASS
N41	30	60	CP-QPSK	L	Outer_Full	VN	NT	-4.78	0.00	PASS
N41	30	60	DFT-QPSK	M	Outer_Full	VN	NT	-1.45	0.00	PASS
N41	30	60	CP-QPSK	M	Outer_Full	VN	NT	2.22	0.00	PASS
N41	30	60	DFT-QPSK	H	Outer_Full	VN	NT	-2.71	0.00	PASS
N41	30	60	CP-QPSK	H	Outer_Full	VN	NT	-1.19	0.00	PASS
N41	30	80	DFT-QPSK	L	Outer_Full	VN	NT	-7.00	0.00	PASS
N41	30	80	CP-QPSK	L	Outer_Full	VN	NT	-3.97	0.00	PASS
N41	30	80	DFT-QPSK	M	Outer_Full	VN	NT	-2.19	0.00	PASS
N41	30	80	CP-QPSK	M	Outer_Full	VN	NT	-5.57	0.00	PASS
N41	30	80	DFT-QPSK	H	Outer_Full	VN	NT	-3.72	0.00	PASS
N41	30	80	CP-QPSK	H	Outer_Full	VN	NT	-0.40	0.00	PASS
N41	30	90	DFT-QPSK	L	Outer_Full	VN	NT	-0.46	0.00	PASS
N41	30	90	CP-QPSK	L	Outer_Full	VN	NT	-0.37	0.00	PASS
N41	30	90	DFT-QPSK	M	Outer_Full	VN	NT	-0.60	0.00	PASS
N41	30	90	CP-QPSK	M	Outer_Full	VN	NT	1.43	0.00	PASS
N41	30	90	DFT-QPSK	H	Outer_Full	VN	NT	0.34	0.00	PASS
N41	30	90	CP-QPSK	H	Outer_Full	VN	NT	-6.56	0.00	PASS
N41	30	100	DFT-QPSK	L	Outer_Full	VN	NT	-2.68	0.00	PASS
N41	30	100	CP-QPSK	L	Outer_Full	VN	NT	-10.62	0.00	PASS
N41	30	100	DFT-QPSK	M	Outer_Full	VN	NT	0.52	0.00	PASS
N41	30	100	CP-QPSK	M	Outer_Full	VN	NT	-1.68	0.00	PASS
N41	30	100	DFT-QPSK	H	Outer_Full	VN	NT	-10.40	0.00	PASS
N41	30	100	CP-QPSK	H	Outer_Full	VN	NT	-8.22	0.00	PASS

Frequency Error VS. Temperature

Voltage										
Band	SCS	Bandwidth	Modulation	Channel	RB Config	Voltage	Temperature	Deviation(Hz)	Deviation (ppm)	Verdict
N41	30	10	DFT-QPSK	L	Outer_Full	NV	TN	-4.410806	-0.001764	PASS
N41	30	10	CP-QPSK	L	Outer_Full	NV	TN	-6.478807	-0.002590	PASS
N41	30	10	DFT-QPSK	M	Outer_Full	NV	TN	-1.162379	-0.000448	PASS
N41	30	10	CP-QPSK	M	Outer_Full	NV	TN	-3.715370	-0.001433	PASS
N41	30	10	DFT-QPSK	H	Outer_Full	NV	TN	-7.752028	-0.002887	PASS
N41	30	10	CP-QPSK	H	Outer_Full	NV	TN	-2.017293	-0.000751	PASS
N41	30	15	DFT-QPSK	L	Outer_Full	NV	TN	-1.285440	-0.000513	PASS
N41	30	15	CP-QPSK	L	Outer_Full	NV	TN	-4.763055	-0.001903	PASS
N41	30	15	DFT-QPSK	M	Outer_Full	NV	TN	-2.781552	-0.001073	PASS
N41	30	15	CP-QPSK	M	Outer_Full	NV	TN	-0.300661	-0.000116	PASS
N41	30	15	DFT-QPSK	H	Outer_Full	NV	TN	-2.313049	-0.000862	PASS
N41	30	15	CP-QPSK	H	Outer_Full	NV	TN	3.565514	0.001329	PASS
N41	30	20	DFT-QPSK	L	Outer_Full	NV	TN	-4.160252	-0.001660	PASS
N41	30	20	CP-QPSK	L	Outer_Full	NV	TN	-7.636319	-0.003047	PASS
N41	30	20	DFT-QPSK	M	Outer_Full	NV	TN	0.135731	0.000052	PASS
N41	30	20	CP-QPSK	M	Outer_Full	NV	TN	-3.197324	-0.001233	PASS
N41	30	20	DFT-QPSK	H	Outer_Full	NV	TN	0.358860	0.000134	PASS
N41	30	20	CP-QPSK	H	Outer_Full	NV	TN	1.860822	0.000694	PASS
N41	30	40	DFT-QPSK	L	Outer_Full	NV	TN	-2.269751	-0.000902	PASS
N41	30	40	CP-QPSK	L	Outer_Full	NV	TN	-5.236461	-0.002081	PASS
N41	30	40	DFT-QPSK	M	Outer_Full	NV	TN	-4.388629	-0.001692	PASS
N41	30	40	CP-QPSK	M	Outer_Full	NV	TN	1.076867	0.000415	PASS
N41	30	40	DFT-QPSK	H	Outer_Full	NV	TN	-1.762311	-0.000660	PASS
N41	30	40	CP-QPSK	H	Outer_Full	NV	TN	-4.489910	-0.001682	PASS
N41	30	50	DFT-QPSK	L	Outer_Full	NV	TN	-1.183814	-0.000470	PASS
N41	30	50	CP-QPSK	L	Outer_Full	NV	TN	-1.672876	-0.000664	PASS
N41	30	50	DFT-QPSK	M	Outer_Full	NV	TN	-5.894216	-0.002273	PASS
N41	30	50	CP-QPSK	M	Outer_Full	NV	TN	-4.763683	-0.001837	PASS
N41	30	50	DFT-QPSK	H	Outer_Full	NV	TN	-2.456929	-0.000922	PASS
N41	30	50	CP-QPSK	H	Outer_Full	NV	TN	0.363180	0.000136	PASS
N41	30	60	DFT-QPSK	L	Outer_Full	NV	TN	1.562175	0.000618	PASS
N41	30	60	CP-QPSK	L	Outer_Full	NV	TN	-5.200158	-0.002059	PASS
N41	30	60	DFT-QPSK	M	Outer_Full	NV	TN	2.107722	0.000813	PASS
N41	30	60	CP-QPSK	M	Outer_Full	NV	TN	-5.832711	-0.002249	PASS
N41	30	60	DFT-QPSK	H	Outer_Full	NV	TN	-7.786622	-0.002927	PASS

N41	30	60	CP-QPSK	H	Outer_Full	NV	TN	-4.378379	-0.001646	PASS
N41	30	80	DFT-QPSK	L	Outer_Full	NV	TN	-4.708556	-0.001857	PASS
N41	30	80	CP-QPSK	L	Outer_Full	NV	TN	-7.300878	-0.002879	PASS
N41	30	80	DFT-QPSK	M	Outer_Full	NV	TN	-4.311643	-0.001663	PASS
N41	30	80	CP-QPSK	M	Outer_Full	NV	TN	-4.582320	-0.001767	PASS
N41	30	80	DFT-QPSK	H	Outer_Full	NV	TN	-5.748716	-0.002169	PASS
N41	30	80	CP-QPSK	H	Outer_Full	NV	TN	-3.015729	-0.001138	PASS
N41	30	90	DFT-QPSK	L	Outer_Full	NV	TN	-2.942879	-0.001158	PASS
N41	30	90	CP-QPSK	L	Outer_Full	NV	TN	1.275159	0.000502	PASS
N41	30	90	DFT-QPSK	M	Outer_Full	NV	TN	-1.458104	-0.000562	PASS
N41	30	90	CP-QPSK	M	Outer_Full	NV	TN	-2.029545	-0.000783	PASS
N41	30	90	DFT-QPSK	H	Outer_Full	NV	TN	-0.352252	-0.000133	PASS
N41	30	90	CP-QPSK	H	Outer_Full	NV	TN	-4.679494	-0.001769	PASS
N41	30	100	DFT-QPSK	L	Outer_Full	NV	TN	3.734039	0.001467	PASS
N41	30	100	CP-QPSK	L	Outer_Full	NV	TN	-9.922973	-0.003897	PASS
N41	30	100	DFT-QPSK	M	Outer_Full	NV	TN	-1.627535	-0.000628	PASS
N41	30	100	CP-QPSK	M	Outer_Full	NV	TN	-2.525968	-0.000974	PASS
N41	30	100	DFT-QPSK	H	Outer_Full	NV	TN	-8.226180	-0.003116	PASS
N41	30	100	CP-QPSK	H	Outer_Full	NV	TN	-2.302087	-0.000872	PASS