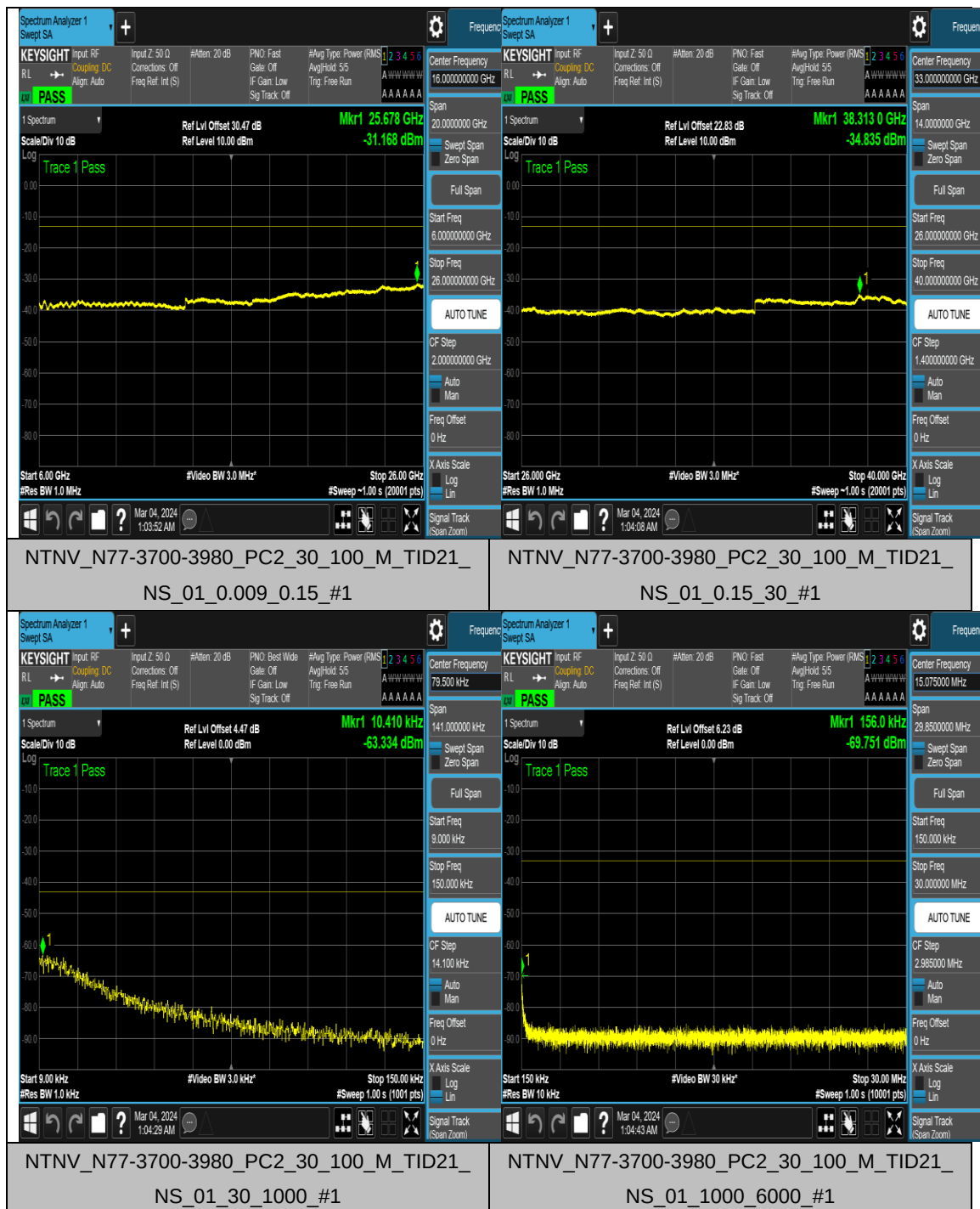
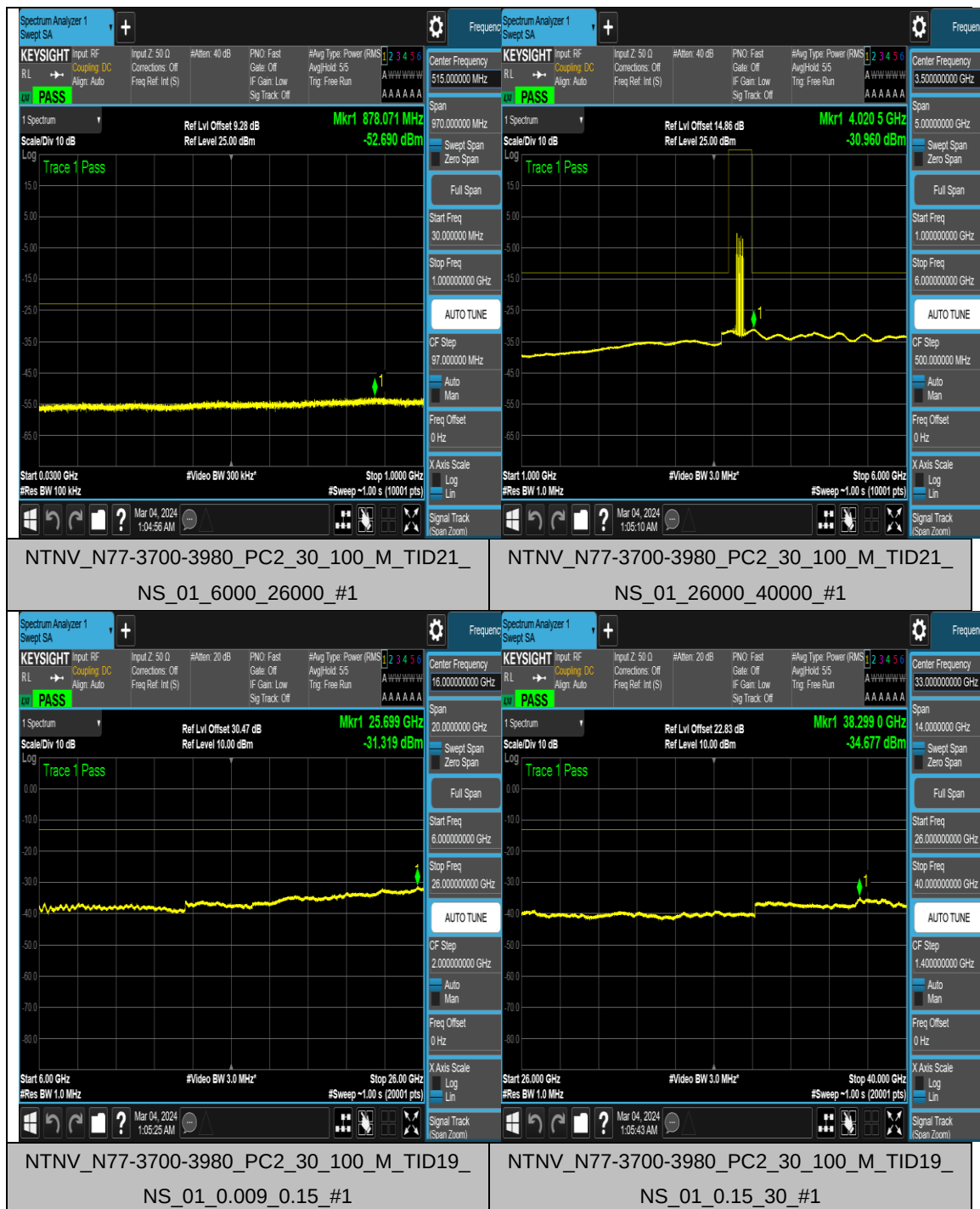
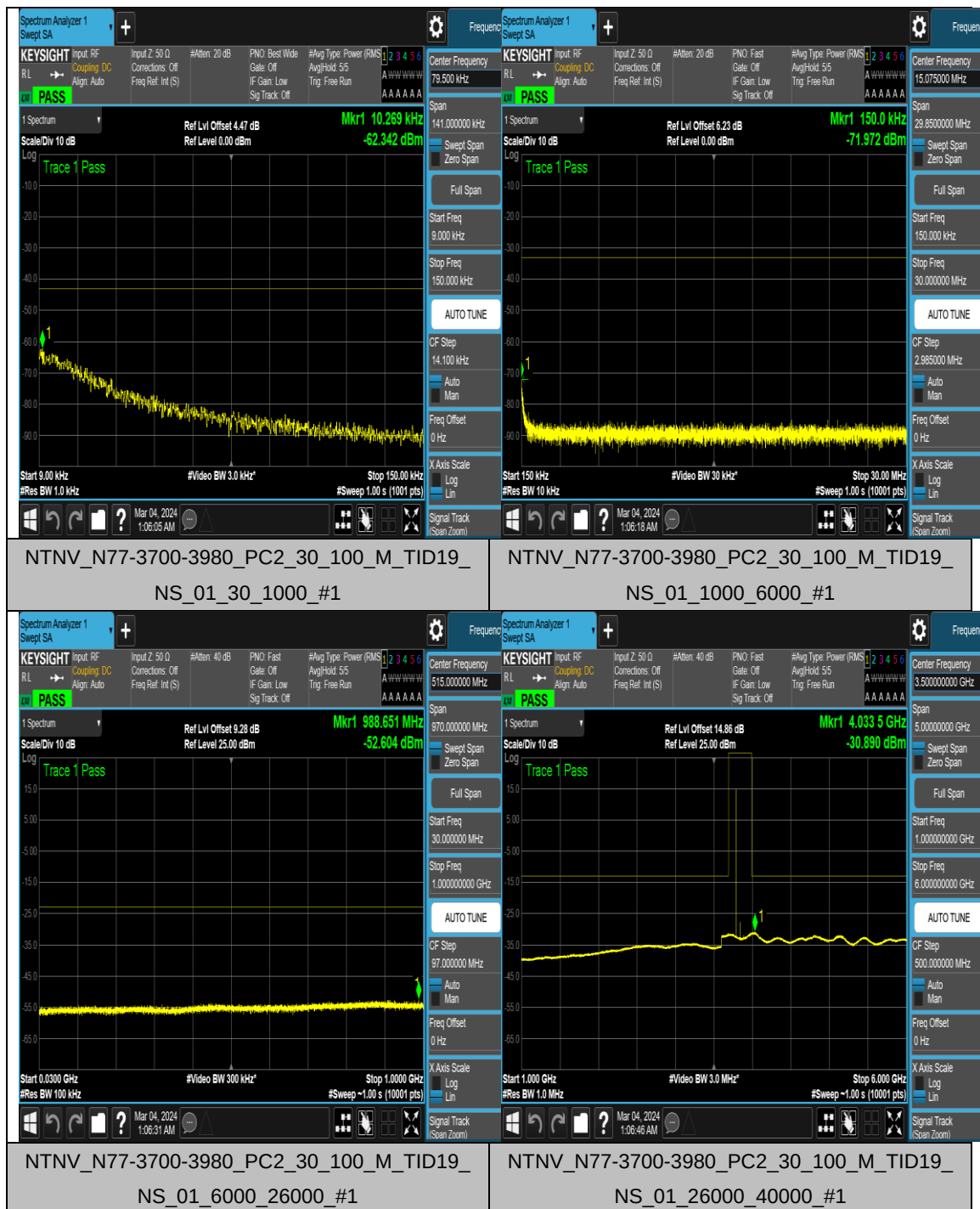
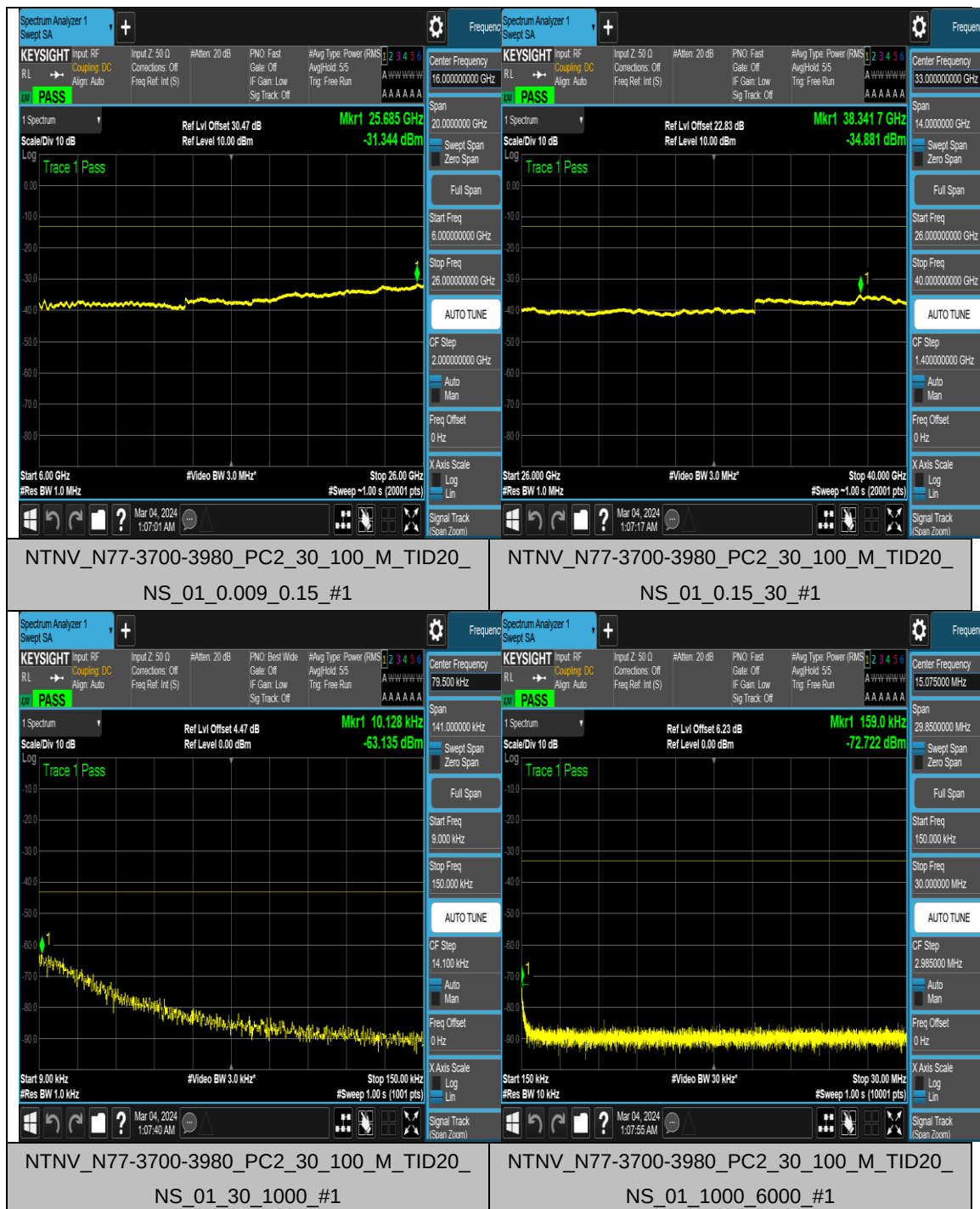


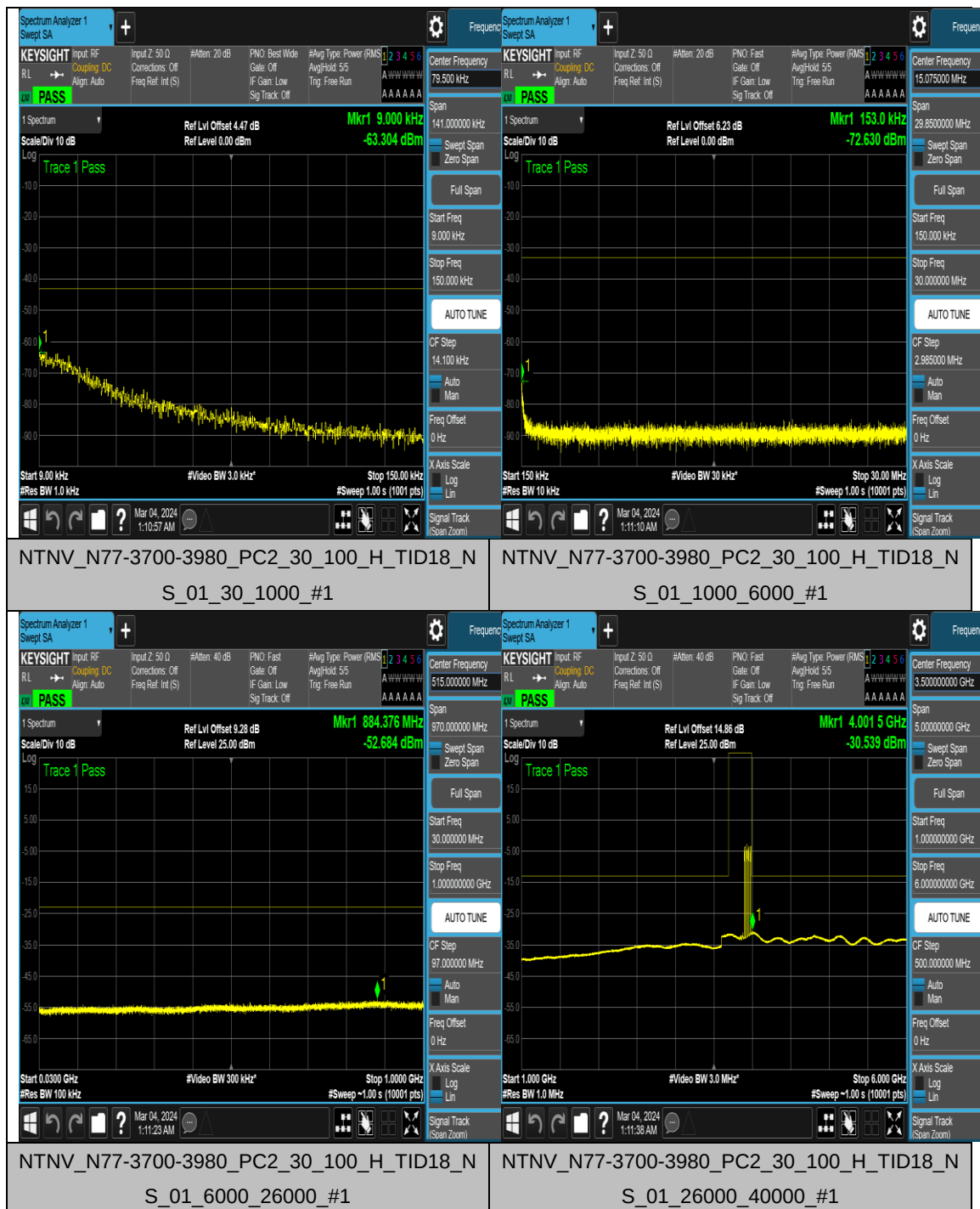


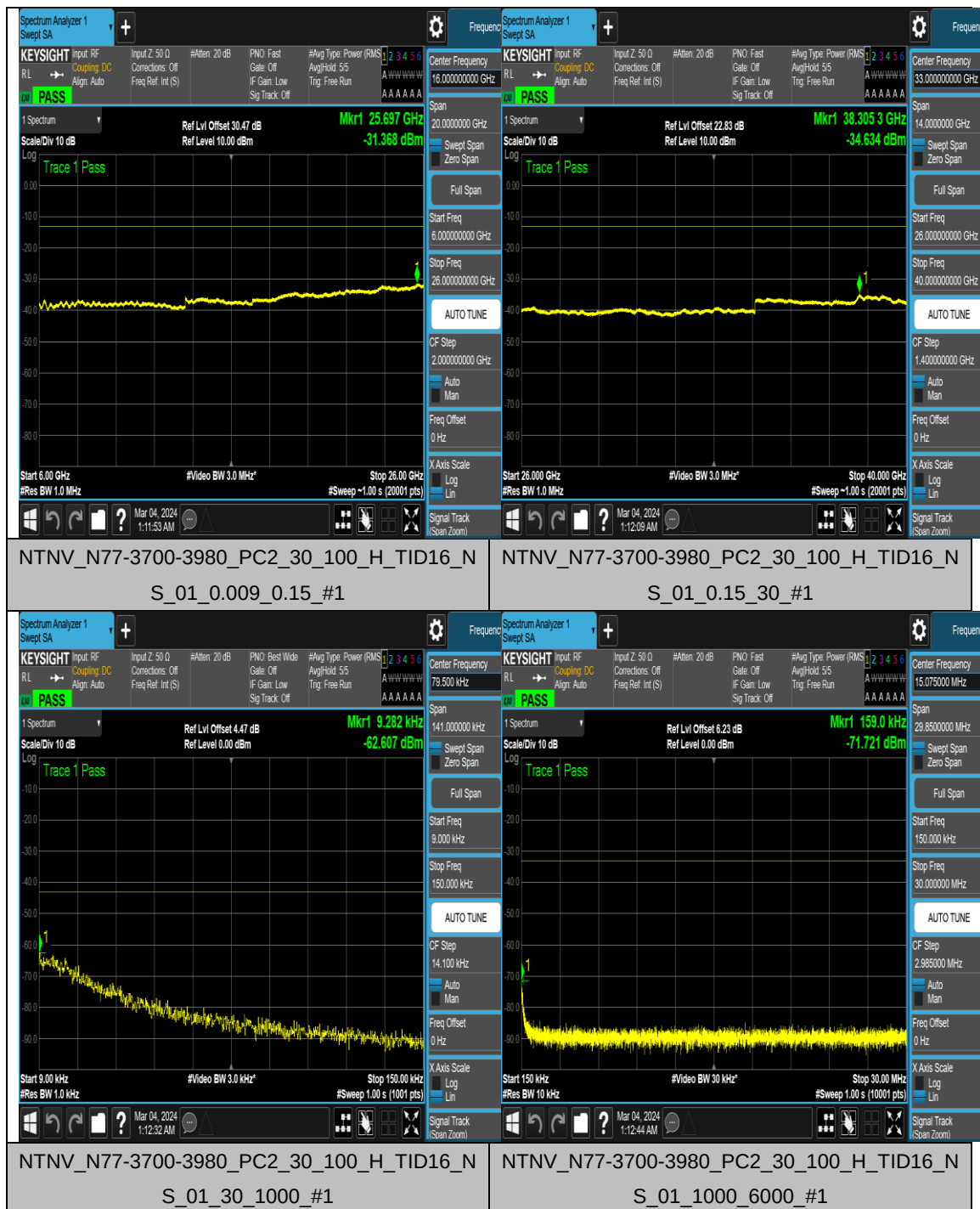




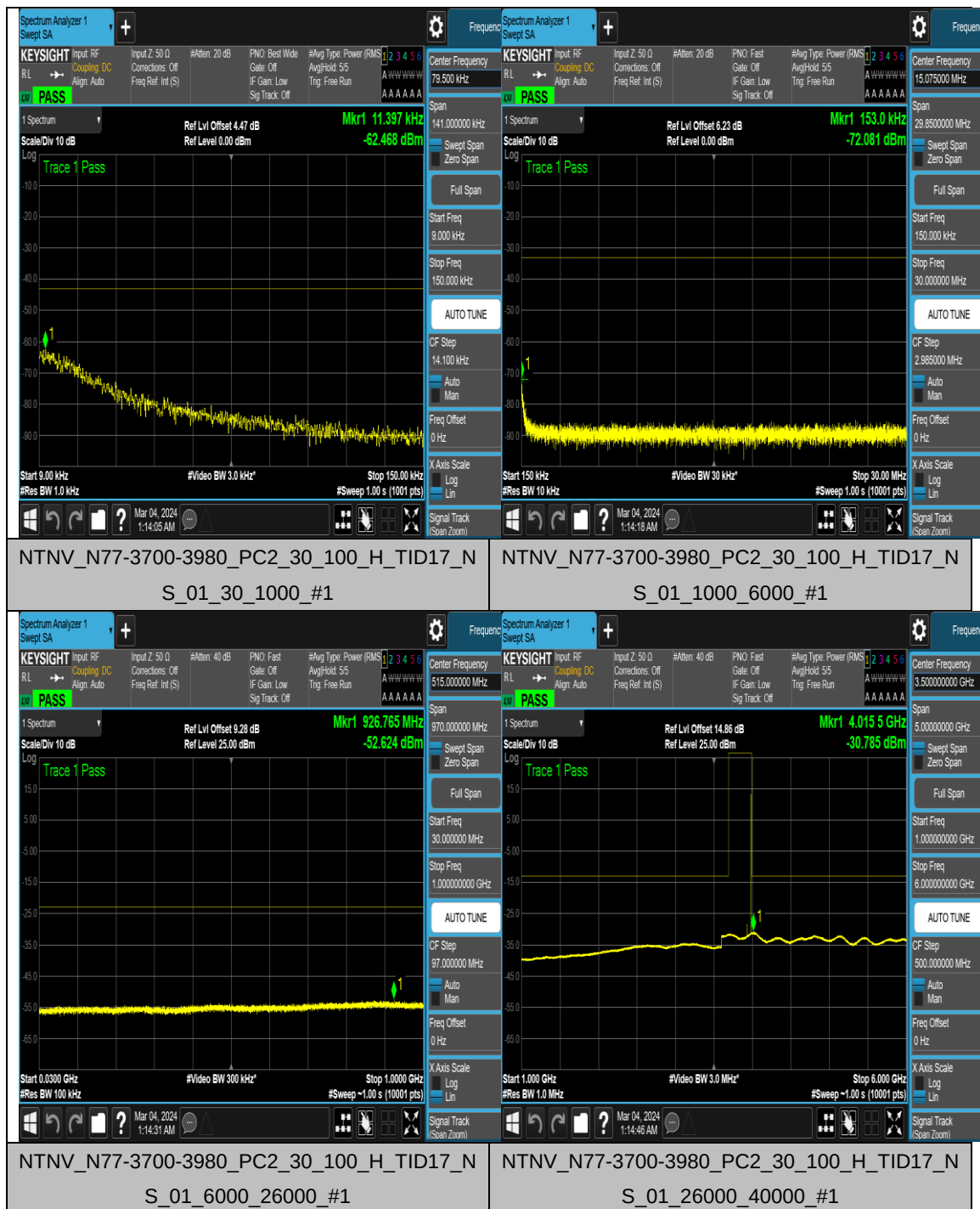


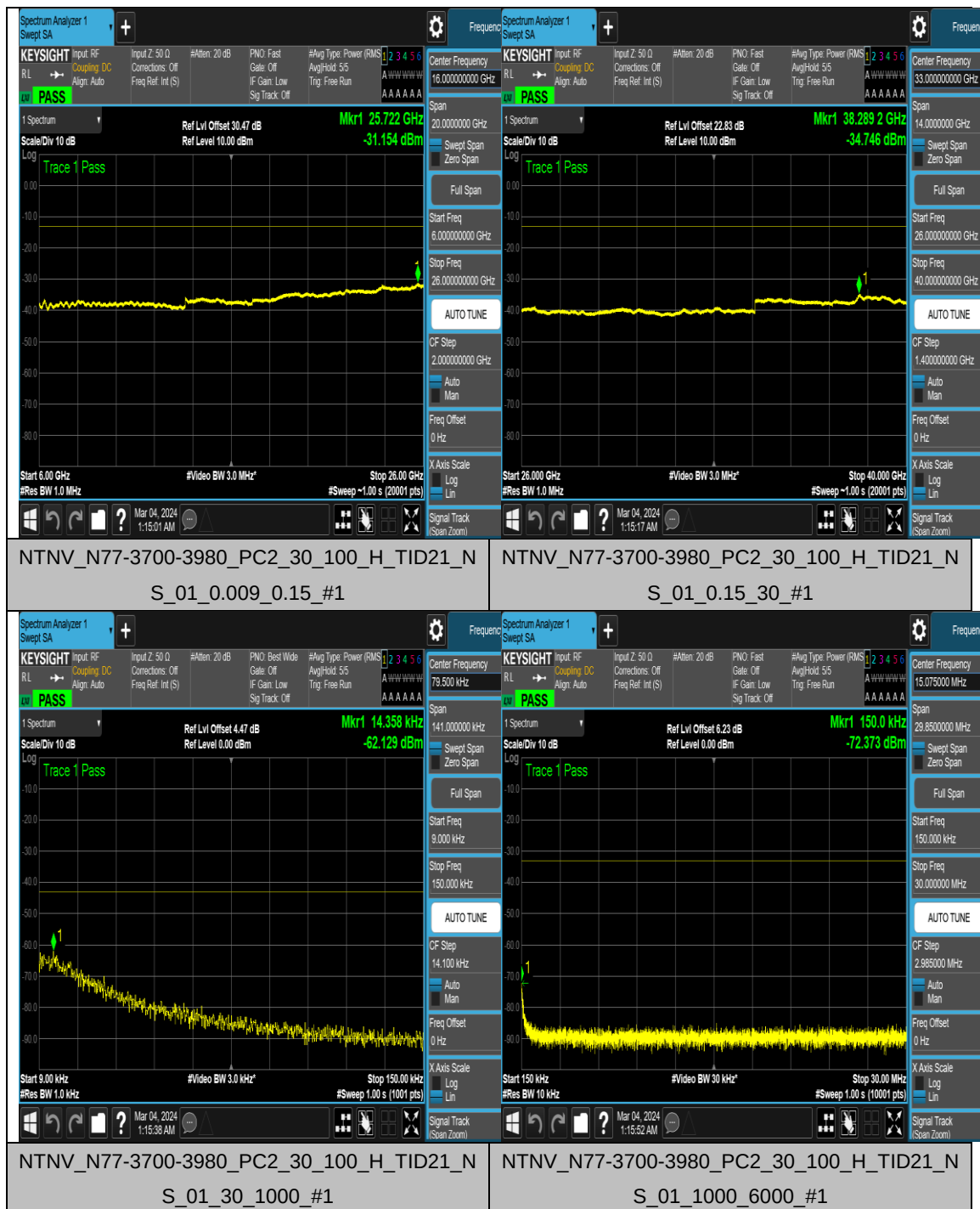




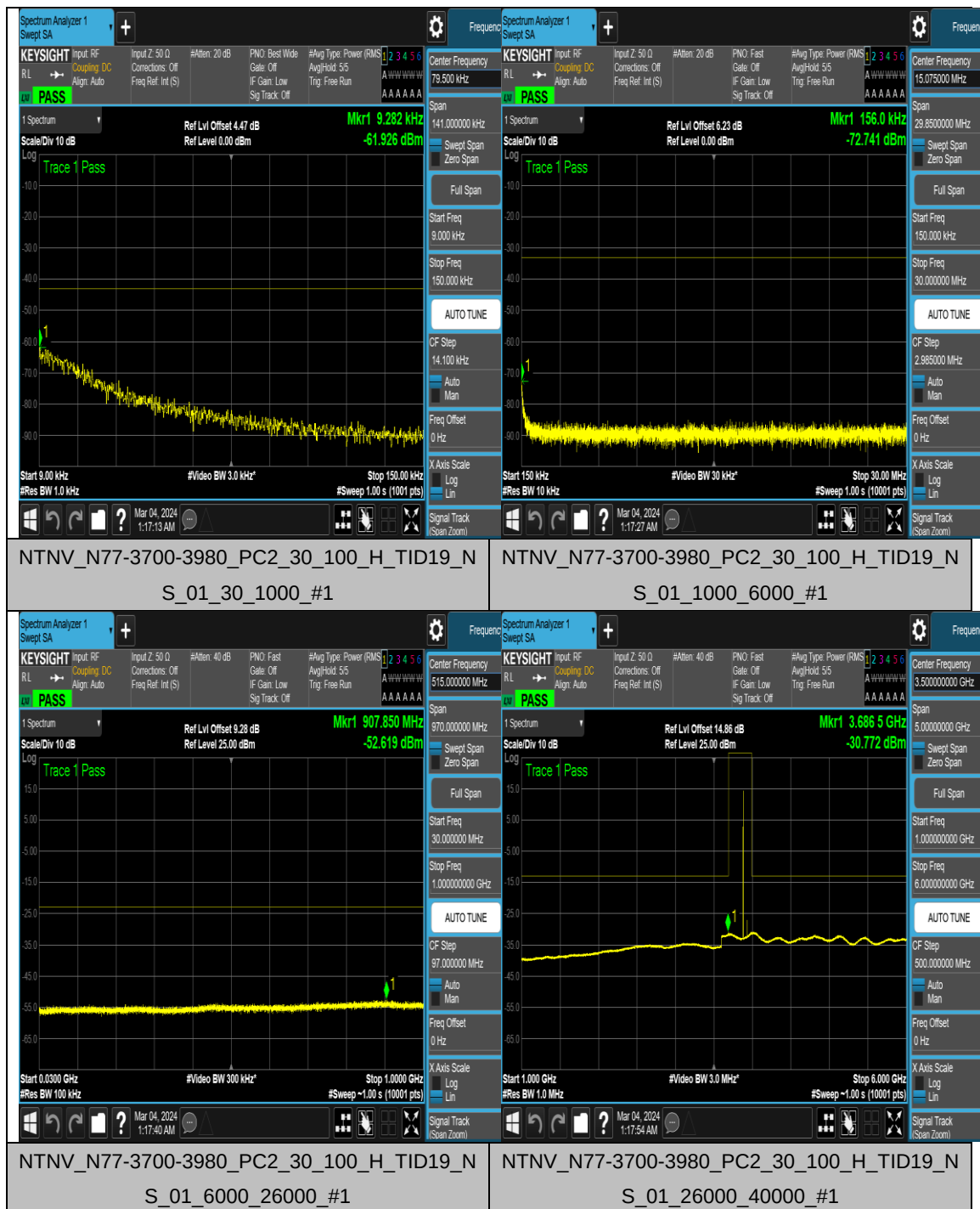


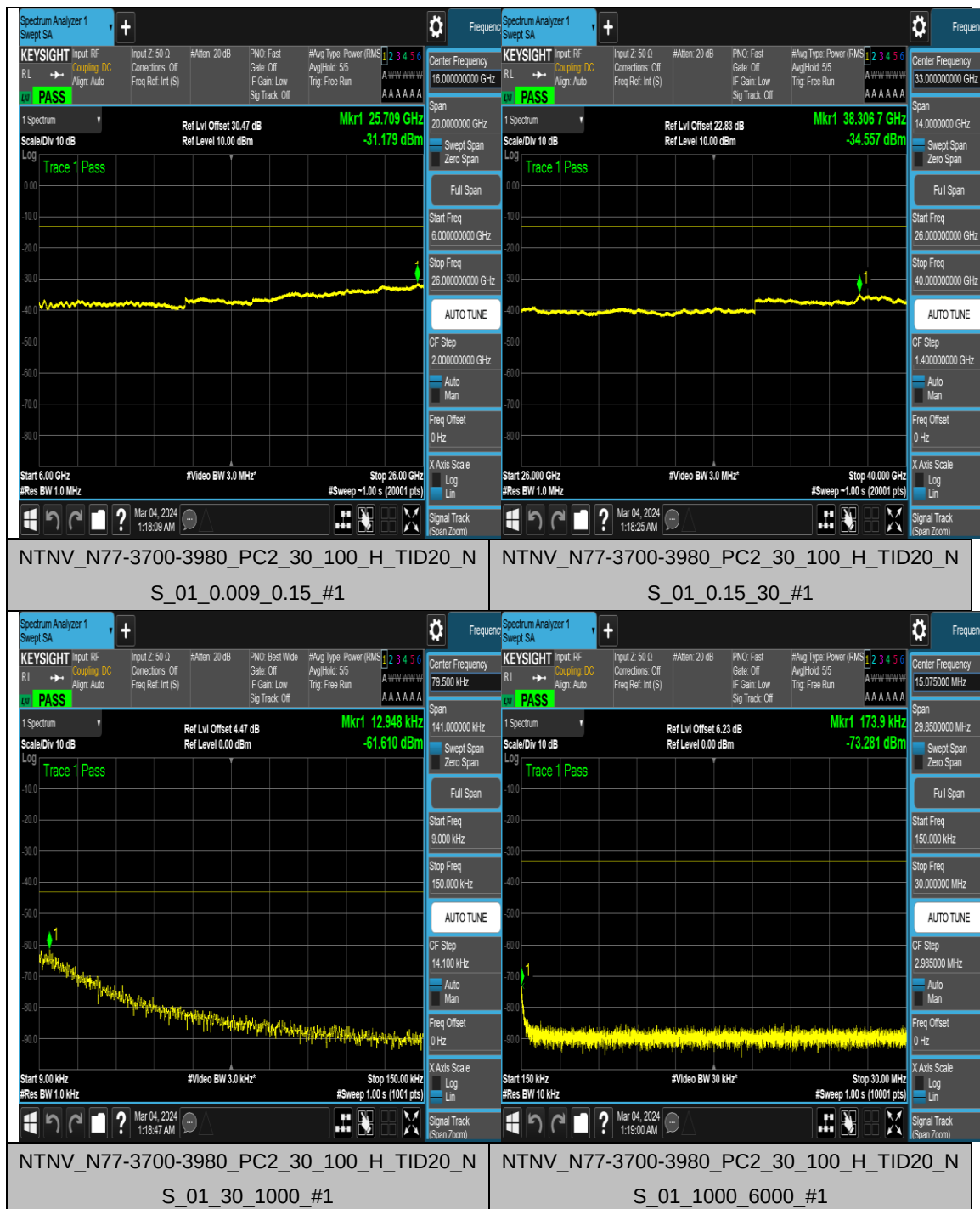














Appendix F: Frequency Stability for SA

Test Result

Frequency Error VS. Voltage

Voltage										
Band	SCS	Bandwidth	Modulation	Channel	RB Config	Voltage	Temperature	Deviation(Hz)	Deviation (ppm)	Verdict
N77-370 0-3980	30	20	CP-QPSK	L	Outer_Full	VL	NT	-38.81	-0.01	PASS
N77-370 0-3980	30	20	CP-QPSK	L	Outer_Full	VN	NT	-31.32	-0.01	PASS
N77-370 0-3980	30	20	CP-QPSK	L	Outer_Full	VH	NT	-22.60	-0.01	PASS
N77-370 0-3980	30	20	CP-16QAM	L	Outer_Full	VL	NT	-23.53	-0.01	PASS
N77-370 0-3980	30	20	CP-16QAM	L	Outer_Full	VN	NT	-30.54	-0.01	PASS
N77-370 0-3980	30	20	CP-16QAM	L	Outer_Full	VH	NT	-26.83	-0.01	PASS
N77-370 0-3980	30	20	CP-QPSK	M	Outer_Full	VL	NT	-17.04	0.00	PASS
N77-370 0-3980	30	20	CP-QPSK	M	Outer_Full	VN	NT	-6.35	0.00	PASS
N77-370 0-3980	30	20	CP-QPSK	M	Outer_Full	VH	NT	-16.19	0.00	PASS
N77-370 0-3980	30	20	CP-16QAM	M	Outer_Full	VL	NT	-24.25	-0.01	PASS
N77-370 0-3980	30	20	CP-16QAM	M	Outer_Full	VN	NT	-25.01	-0.01	PASS
N77-370 0-3980	30	20	CP-16QAM	M	Outer_Full	VH	NT	-26.67	-0.01	PASS
N77-370 0-3980	30	20	CP-QPSK	H	Outer_Full	VL	NT	-27.37	-0.01	PASS
N77-370 0-3980	30	20	CP-QPSK	H	Outer_Full	VN	NT	-27.01	-0.01	PASS
N77-370 0-3980	30	20	CP-QPSK	H	Outer_Full	VH	NT	-26.67	-0.01	PASS
N77-370 0-3980	30	20	CP-16QAM	H	Outer_Full	VL	NT	-26.23	-0.01	PASS
N77-370	30	20	CP-16QAM	H	Outer_Full	VN	NT	-27.83	-0.01	PASS

0-3980										
N77-370 0-3980	30	20	CP-16QAM	H	Outer_Full	VH	NT	-7.76	0.00	PASS
N77-370 0-3980	30	40	CP-QPSK	L	Outer_Full	VL	NT	-19.87	-0.01	PASS
N77-370 0-3980	30	40	CP-QPSK	L	Outer_Full	VN	NT	-28.51	-0.01	PASS
N77-370 0-3980	30	40	CP-QPSK	L	Outer_Full	VH	NT	-14.53	0.00	PASS
N77-370 0-3980	30	40	CP-16QAM	L	Outer_Full	VL	NT	-18.90	-0.01	PASS
N77-370 0-3980	30	40	CP-16QAM	L	Outer_Full	VN	NT	-25.00	-0.01	PASS
N77-370 0-3980	30	40	CP-16QAM	L	Outer_Full	VH	NT	-31.40	-0.01	PASS
N77-370 0-3980	30	40	CP-QPSK	M	Outer_Full	VL	NT	-24.81	-0.01	PASS
N77-370 0-3980	30	40	CP-QPSK	M	Outer_Full	VN	NT	-29.76	-0.01	PASS
N77-370 0-3980	30	40	CP-QPSK	M	Outer_Full	VH	NT	-17.27	0.00	PASS
N77-370 0-3980	30	40	CP-16QAM	M	Outer_Full	VL	NT	-25.05	-0.01	PASS
N77-370 0-3980	30	40	CP-16QAM	M	Outer_Full	VN	NT	-30.16	-0.01	PASS
N77-370 0-3980	30	40	CP-16QAM	M	Outer_Full	VH	NT	-12.49	0.00	PASS
N77-370 0-3980	30	40	CP-QPSK	H	Outer_Full	VL	NT	-26.96	-0.01	PASS
N77-370 0-3980	30	40	CP-QPSK	H	Outer_Full	VN	NT	-21.82	-0.01	PASS
N77-370 0-3980	30	40	CP-QPSK	H	Outer_Full	VH	NT	-32.57	-0.01	PASS
N77-370 0-3980	30	40	CP-16QAM	H	Outer_Full	VL	NT	-35.44	-0.01	PASS
N77-370 0-3980	30	40	CP-16QAM	H	Outer_Full	VN	NT	-44.47	-0.01	PASS
N77-370 0-3980	30	40	CP-16QAM	H	Outer_Full	VH	NT	-26.94	-0.01	PASS
N77-370 0-3980	30	50	CP-QPSK	L	Outer_Full	VL	NT	-29.45	-0.01	PASS
N77-370	30	50	CP-QPSK	L	Outer_Full	VN	NT	-34.52	-0.01	PASS

0-3980										
N77-370 0-3980	30	50	CP-QPSK	L	Outer_Full	VH	NT	-24.07	-0.01	PASS
N77-370 0-3980	30	50	CP-16QAM	L	Outer_Full	VL	NT	-28.82	-0.01	PASS
N77-370 0-3980	30	50	CP-16QAM	L	Outer_Full	VN	NT	-30.72	-0.01	PASS
N77-370 0-3980	30	50	CP-16QAM	L	Outer_Full	VH	NT	-27.82	-0.01	PASS
N77-370 0-3980	30	50	CP-QPSK	M	Outer_Full	VL	NT	-17.28	0.00	PASS
N77-370 0-3980	30	50	CP-QPSK	M	Outer_Full	VN	NT	-31.35	-0.01	PASS
N77-370 0-3980	30	50	CP-QPSK	M	Outer_Full	VH	NT	-17.50	0.00	PASS
N77-370 0-3980	30	50	CP-16QAM	M	Outer_Full	VL	NT	-19.36	-0.01	PASS
N77-370 0-3980	30	50	CP-16QAM	M	Outer_Full	VN	NT	-26.93	-0.01	PASS
N77-370 0-3980	30	50	CP-16QAM	M	Outer_Full	VH	NT	-31.98	-0.01	PASS
N77-370 0-3980	30	50	CP-QPSK	H	Outer_Full	VL	NT	-15.43	0.00	PASS
N77-370 0-3980	30	50	CP-QPSK	H	Outer_Full	VN	NT	-43.46	-0.01	PASS
N77-370 0-3980	30	50	CP-QPSK	H	Outer_Full	VH	NT	-43.24	-0.01	PASS
N77-370 0-3980	30	50	CP-16QAM	H	Outer_Full	VL	NT	-40.84	-0.01	PASS
N77-370 0-3980	30	50	CP-16QAM	H	Outer_Full	VN	NT	-31.68	-0.01	PASS
N77-370 0-3980	30	50	CP-16QAM	H	Outer_Full	VH	NT	-19.20	0.00	PASS
N77-370 0-3980	30	60	CP-QPSK	L	Outer_Full	VL	NT	-47.99	-0.01	PASS
N77-370 0-3980	30	60	CP-QPSK	L	Outer_Full	VN	NT	-33.29	-0.01	PASS
N77-370 0-3980	30	60	CP-QPSK	L	Outer_Full	VH	NT	-45.24	-0.01	PASS
N77-370 0-3980	30	60	CP-16QAM	L	Outer_Full	VL	NT	-45.56	-0.01	PASS
N77-370	30	60	CP-16QAM	L	Outer_Full	VN	NT	-32.35	-0.01	PASS

0-3980										
N77-370 0-3980	30	60	CP-16QAM	L	Outer_Full	VH	NT	-41.79	-0.01	PASS
N77-370 0-3980	30	60	CP-QPSK	M	Outer_Full	VL	NT	-15.62	0.00	PASS
N77-370 0-3980	30	60	CP-QPSK	M	Outer_Full	VN	NT	-9.23	0.00	PASS
N77-370 0-3980	30	60	CP-QPSK	M	Outer_Full	VH	NT	-30.76	-0.01	PASS
N77-370 0-3980	30	60	CP-16QAM	M	Outer_Full	VL	NT	-16.28	0.00	PASS
N77-370 0-3980	30	60	CP-16QAM	M	Outer_Full	VN	NT	-28.62	-0.01	PASS
N77-370 0-3980	30	60	CP-16QAM	M	Outer_Full	VH	NT	-20.74	-0.01	PASS
N77-370 0-3980	30	60	CP-QPSK	H	Outer_Full	VL	NT	-32.48	-0.01	PASS
N77-370 0-3980	30	60	CP-QPSK	H	Outer_Full	VN	NT	-25.47	-0.01	PASS
N77-370 0-3980	30	60	CP-QPSK	H	Outer_Full	VH	NT	-33.14	-0.01	PASS
N77-370 0-3980	30	60	CP-16QAM	H	Outer_Full	VL	NT	-34.80	-0.01	PASS
N77-370 0-3980	30	60	CP-16QAM	H	Outer_Full	VN	NT	-29.39	-0.01	PASS
N77-370 0-3980	30	60	CP-16QAM	H	Outer_Full	VH	NT	-21.62	-0.01	PASS
N77-370 0-3980	30	80	CP-QPSK	L	Outer_Full	VL	NT	-38.68	-0.01	PASS
N77-370 0-3980	30	80	CP-QPSK	L	Outer_Full	VN	NT	-25.82	-0.01	PASS
N77-370 0-3980	30	80	CP-QPSK	L	Outer_Full	VH	NT	-31.25	-0.01	PASS
N77-370 0-3980	30	80	CP-16QAM	L	Outer_Full	VL	NT	-41.99	-0.01	PASS
N77-370 0-3980	30	80	CP-16QAM	L	Outer_Full	VN	NT	-15.17	0.00	PASS
N77-370 0-3980	30	80	CP-16QAM	L	Outer_Full	VH	NT	-25.78	-0.01	PASS
N77-370 0-3980	30	80	CP-QPSK	M	Outer_Full	VL	NT	-42.83	-0.01	PASS
N77-370	30	80	CP-QPSK	M	Outer_Full	VN	NT	-14.08	0.00	PASS

0-3980										
N77-370 0-3980	30	80	CP-QPSK	M	Outer_Full	VH	NT	-25.55	-0.01	PASS
N77-370 0-3980	30	80	CP-16QAM	M	Outer_Full	VL	NT	-34.27	-0.01	PASS
N77-370 0-3980	30	80	CP-16QAM	M	Outer_Full	VN	NT	-25.02	-0.01	PASS
N77-370 0-3980	30	80	CP-16QAM	M	Outer_Full	VH	NT	-16.91	0.00	PASS
N77-370 0-3980	30	80	CP-QPSK	H	Outer_Full	VL	NT	-20.34	-0.01	PASS
N77-370 0-3980	30	80	CP-QPSK	H	Outer_Full	VN	NT	-39.66	-0.01	PASS
N77-370 0-3980	30	80	CP-QPSK	H	Outer_Full	VH	NT	-21.89	-0.01	PASS
N77-370 0-3980	30	80	CP-16QAM	H	Outer_Full	VL	NT	-39.35	-0.01	PASS
N77-370 0-3980	30	80	CP-16QAM	H	Outer_Full	VN	NT	-32.74	-0.01	PASS
N77-370 0-3980	30	80	CP-16QAM	H	Outer_Full	VH	NT	-27.33	-0.01	PASS
N77-370 0-3980	30	90	CP-QPSK	L	Outer_Full	VL	NT	-68.31	-0.02	PASS
N77-370 0-3980	30	90	CP-QPSK	L	Outer_Full	VN	NT	-23.80	-0.01	PASS
N77-370 0-3980	30	90	CP-QPSK	L	Outer_Full	VH	NT	-47.75	-0.01	PASS
N77-370 0-3980	30	90	CP-16QAM	L	Outer_Full	VL	NT	-50.06	-0.01	PASS
N77-370 0-3980	30	90	CP-16QAM	L	Outer_Full	VN	NT	-40.08	-0.01	PASS
N77-370 0-3980	30	90	CP-16QAM	L	Outer_Full	VH	NT	-29.38	-0.01	PASS
N77-370 0-3980	30	90	CP-QPSK	M	Outer_Full	VL	NT	-26.58	-0.01	PASS
N77-370 0-3980	30	90	CP-QPSK	M	Outer_Full	VN	NT	-25.77	-0.01	PASS
N77-370 0-3980	30	90	CP-QPSK	M	Outer_Full	VH	NT	-16.81	0.00	PASS
N77-370 0-3980	30	90	CP-16QAM	M	Outer_Full	VL	NT	-5.94	0.00	PASS
N77-370	30	90	CP-16QAM	M	Outer_Full	VN	NT	-29.03	-0.01	PASS

0-3980										
N77-370 0-3980	30	90	CP-16QAM	M	Outer_Full	VH	NT	-2.46	0.00	PASS
N77-370 0-3980	30	90	CP-QPSK	H	Outer_Full	VL	NT	-36.04	-0.01	PASS
N77-370 0-3980	30	90	CP-QPSK	H	Outer_Full	VN	NT	-18.88	0.00	PASS
N77-370 0-3980	30	90	CP-QPSK	H	Outer_Full	VH	NT	-16.38	0.00	PASS
N77-370 0-3980	30	90	CP-16QAM	H	Outer_Full	VL	NT	-20.54	-0.01	PASS
N77-370 0-3980	30	90	CP-16QAM	H	Outer_Full	VN	NT	-33.05	-0.01	PASS
N77-370 0-3980	30	90	CP-16QAM	H	Outer_Full	VH	NT	-20.22	-0.01	PASS
N77-370 0-3980	30	100	CP-QPSK	L	Outer_Full	VL	NT	-47.65	-0.01	PASS
N77-370 0-3980	30	100	CP-QPSK	L	Outer_Full	VN	NT	-24.60	-0.01	PASS
N77-370 0-3980	30	100	CP-QPSK	L	Outer_Full	VH	NT	-23.02	-0.01	PASS
N77-370 0-3980	30	100	CP-16QAM	L	Outer_Full	VL	NT	-25.37	-0.01	PASS
N77-370 0-3980	30	100	CP-16QAM	L	Outer_Full	VN	NT	-8.32	0.00	PASS
N77-370 0-3980	30	100	CP-16QAM	L	Outer_Full	VH	NT	-11.09	0.00	PASS
N77-370 0-3980	30	100	CP-QPSK	M	Outer_Full	VL	NT	-22.51	-0.01	PASS
N77-370 0-3980	30	100	CP-QPSK	M	Outer_Full	VN	NT	-7.16	0.00	PASS
N77-370 0-3980	30	100	CP-QPSK	M	Outer_Full	VH	NT	-24.69	-0.01	PASS
N77-370 0-3980	30	100	CP-16QAM	M	Outer_Full	VL	NT	-10.32	0.00	PASS
N77-370 0-3980	30	100	CP-16QAM	M	Outer_Full	VN	NT	-16.84	0.00	PASS
N77-370 0-3980	30	100	CP-16QAM	M	Outer_Full	VH	NT	-17.03	0.00	PASS
N77-370 0-3980	30	100	CP-QPSK	H	Outer_Full	VL	NT	-27.69	-0.01	PASS
N77-370	30	100	CP-QPSK	H	Outer_Full	VN	NT	-14.96	0.00	PASS

0-3980										
N77-370 0-3980	30	100	CP-QPSK	H	Outer_Full	VH	NT	-33.31	-0.01	PASS
N77-370 0-3980	30	100	CP-16QAM	H	Outer_Full	VL	NT	-36.20	-0.01	PASS
N77-370 0-3980	30	100	CP-16QAM	H	Outer_Full	VN	NT	-18.44	0.00	PASS
N77-370 0-3980	30	100	CP-16QAM	H	Outer_Full	VH	NT	-39.60	-0.01	PASS

Frequency Error VS. Temperature

Voltage										
Band	SCS	Bandwidth	Modulation	Channel	RB Config	Voltage	Temperature	Deviation(Hz)	Deviation (ppm)	Verdict
N77-370 0-3980	30	20	CP-QPSK	L	Outer_Full	NV	-30	-31.588575	-0.008514	PASS
N77-370 0-3980	30	20	CP-QPSK	L	Outer_Full	NV	-20	-31.972845	-0.008618	PASS
N77-370 0-3980	30	20	CP-QPSK	L	Outer_Full	NV	-10	-16.494116	-0.004446	PASS
N77-370 0-3980	30	20	CP-QPSK	L	Outer_Full	NV	0	-40.908939	-0.011027	PASS
N77-370 0-3980	30	20	CP-QPSK	L	Outer_Full	NV	10	-27.629234	-0.007447	PASS
N77-370 0-3980	30	20	CP-QPSK	L	Outer_Full	NV	20	-13.634027	-0.003675	PASS
N77-370 0-3980	30	20	CP-QPSK	L	Outer_Full	NV	30	-18.405596	-0.004961	PASS
N77-370 0-3980	30	20	CP-QPSK	L	Outer_Full	NV	40	-24.164143	-0.006513	PASS
N77-370 0-3980	30	20	CP-QPSK	L	Outer_Full	NV	50	-33.973877	-0.009157	PASS
N77-370 0-3980	30	20	CP-16QAM	L	Outer_Full	NV	-30	-23.456785	-0.006323	PASS
N77-370 0-3980	30	20	CP-16QAM	L	Outer_Full	NV	-20	-15.124253	-0.004077	PASS
N77-370 0-3980	30	20	CP-16QAM	L	Outer_Full	NV	-10	-34.079300	-0.009186	PASS
N77-370 0-3980	30	20	CP-16QAM	L	Outer_Full	NV	0	-50.301003	-0.013558	PASS
N77-370	30	20	CP-16QAM	L	Outer_Full	NV	10	-32.841373	-0.008852	PASS

0-3980										
N77-370 0-3980	30	20	CP-16QAM	L	Outer_Full	NV	20	-34.703651	-0.009354	PASS
N77-370 0-3980	30	20	CP-16QAM	L	Outer_Full	NV	30	-32.992695	-0.008893	PASS
N77-370 0-3980	30	20	CP-16QAM	L	Outer_Full	NV	40	-16.047966	-0.004326	PASS
N77-370 0-3980	30	20	CP-16QAM	L	Outer_Full	NV	50	-20.068508	-0.005409	PASS
N77-370 0-3980	30	20	CP-QPSK	M	Outer_Full	NV	-30	-20.894545	-0.005441	PASS
N77-370 0-3980	30	20	CP-QPSK	M	Outer_Full	NV	-20	-23.692535	-0.006170	PASS
N77-370 0-3980	30	20	CP-QPSK	M	Outer_Full	NV	-10	-18.876513	-0.004916	PASS
N77-370 0-3980	30	20	CP-QPSK	M	Outer_Full	NV	0	-29.730118	-0.007742	PASS
N77-370 0-3980	30	20	CP-QPSK	M	Outer_Full	NV	10	-17.194082	-0.004478	PASS
N77-370 0-3980	30	20	CP-QPSK	M	Outer_Full	NV	20	-21.327116	-0.005554	PASS
N77-370 0-3980	30	20	CP-QPSK	M	Outer_Full	NV	30	-3.652992	-0.000951	PASS
N77-370 0-3980	30	20	CP-QPSK	M	Outer_Full	NV	40	-6.285880	-0.001637	PASS
N77-370 0-3980	30	20	CP-QPSK	M	Outer_Full	NV	50	-7.172968	-0.001868	PASS
N77-370 0-3980	30	20	CP-16QAM	M	Outer_Full	NV	-30	-25.367100	-0.006606	PASS
N77-370 0-3980	30	20	CP-16QAM	M	Outer_Full	NV	-20	-26.253969	-0.006837	PASS
N77-370 0-3980	30	20	CP-16QAM	M	Outer_Full	NV	-10	-2.033998	-0.000530	PASS
N77-370 0-3980	30	20	CP-16QAM	M	Outer_Full	NV	0	-23.956238	-0.006239	PASS
N77-370 0-3980	30	20	CP-16QAM	M	Outer_Full	NV	10	-0.691302	-0.000180	PASS
N77-370 0-3980	30	20	CP-16QAM	M	Outer_Full	NV	20	-23.903496	-0.006225	PASS
N77-370 0-3980	30	20	CP-16QAM	M	Outer_Full	NV	30	-20.793406	-0.005415	PASS
N77-370	30	20	CP-16QAM	M	Outer_Full	NV	40	-18.861757	-0.004912	PASS

0-3980										
N77-370 0-3980	30	20	CP-16QAM	M	Outer_Full	NV	50	-18.111563	-0.004717	PASS
N77-370 0-3980	30	20	CP-QPSK	H	Outer_Full	NV	-30	-12.439869	-0.003133	PASS
N77-370 0-3980	30	20	CP-QPSK	H	Outer_Full	NV	-20	-23.556883	-0.005934	PASS
N77-370 0-3980	30	20	CP-QPSK	H	Outer_Full	NV	-10	-22.212191	-0.005595	PASS
N77-370 0-3980	30	20	CP-QPSK	H	Outer_Full	NV	0	-18.648161	-0.004697	PASS
N77-370 0-3980	30	20	CP-QPSK	H	Outer_Full	NV	10	-28.876028	-0.007274	PASS
N77-370 0-3980	30	20	CP-QPSK	H	Outer_Full	NV	20	-18.669701	-0.004703	PASS
N77-370 0-3980	30	20	CP-QPSK	H	Outer_Full	NV	30	-26.103367	-0.006575	PASS
N77-370 0-3980	30	20	CP-QPSK	H	Outer_Full	NV	40	-10.798361	-0.002720	PASS
N77-370 0-3980	30	20	CP-QPSK	H	Outer_Full	NV	50	-25.988899	-0.006546	PASS
N77-370 0-3980	30	20	CP-16QAM	H	Outer_Full	NV	-30	-20.823055	-0.005245	PASS
N77-370 0-3980	30	20	CP-16QAM	H	Outer_Full	NV	-20	-33.306179	-0.008389	PASS
N77-370 0-3980	30	20	CP-16QAM	H	Outer_Full	NV	-10	-10.975740	-0.002765	PASS
N77-370 0-3980	30	20	CP-16QAM	H	Outer_Full	NV	0	-26.342983	-0.006636	PASS
N77-370 0-3980	30	20	CP-16QAM	H	Outer_Full	NV	10	-18.535694	-0.004669	PASS
N77-370 0-3980	30	20	CP-16QAM	H	Outer_Full	NV	20	-30.093130	-0.007580	PASS
N77-370 0-3980	30	20	CP-16QAM	H	Outer_Full	NV	30	-26.259035	-0.006614	PASS
N77-370 0-3980	30	20	CP-16QAM	H	Outer_Full	NV	40	-19.460917	-0.004902	PASS
N77-370 0-3980	30	20	CP-16QAM	H	Outer_Full	NV	50	-14.351158	-0.003615	PASS
N77-370 0-3980	30	40	CP-QPSK	L	Outer_Full	NV	-30	-16.345482	-0.004394	PASS
N77-370	30	40	CP-QPSK	L	Outer_Full	NV	-20	-22.289305	-0.005992	PASS

0-3980										
N77-370 0-3980	30	40	CP-QPSK	L	Outer_Full	NV	-10	-19.534040	-0.005251	PASS
N77-370 0-3980	30	40	CP-QPSK	L	Outer_Full	NV	0	-6.376992	-0.001714	PASS
N77-370 0-3980	30	40	CP-QPSK	L	Outer_Full	NV	10	-29.900389	-0.008038	PASS
N77-370 0-3980	30	40	CP-QPSK	L	Outer_Full	NV	20	-26.904364	-0.007232	PASS
N77-370 0-3980	30	40	CP-QPSK	L	Outer_Full	NV	30	-24.219393	-0.006511	PASS
N77-370 0-3980	30	40	CP-QPSK	L	Outer_Full	NV	40	-34.819195	-0.009360	PASS
N77-370 0-3980	30	40	CP-QPSK	L	Outer_Full	NV	50	-23.152256	-0.006224	PASS
N77-370 0-3980	30	40	CP-16QAM	L	Outer_Full	NV	-30	-32.290550	-0.008680	PASS
N77-370 0-3980	30	40	CP-16QAM	L	Outer_Full	NV	-20	-30.695383	-0.008251	PASS
N77-370 0-3980	30	40	CP-16QAM	L	Outer_Full	NV	-10	-28.613609	-0.007692	PASS
N77-370 0-3980	30	40	CP-16QAM	L	Outer_Full	NV	0	-29.274035	-0.007869	PASS
N77-370 0-3980	30	40	CP-16QAM	L	Outer_Full	NV	10	-22.488651	-0.006045	PASS
N77-370 0-3980	30	40	CP-16QAM	L	Outer_Full	NV	20	-19.988565	-0.005373	PASS
N77-370 0-3980	30	40	CP-16QAM	L	Outer_Full	NV	30	-34.836239	-0.009365	PASS
N77-370 0-3980	30	40	CP-16QAM	L	Outer_Full	NV	40	-28.083841	-0.007549	PASS
N77-370 0-3980	30	40	CP-16QAM	L	Outer_Full	NV	50	-21.415615	-0.005757	PASS
N77-370 0-3980	30	40	CP-QPSK	M	Outer_Full	NV	-30	-14.976930	-0.003900	PASS
N77-370 0-3980	30	40	CP-QPSK	M	Outer_Full	NV	-20	-20.185968	-0.005257	PASS
N77-370 0-3980	30	40	CP-QPSK	M	Outer_Full	NV	-10	-18.633411	-0.004852	PASS
N77-370 0-3980	30	40	CP-QPSK	M	Outer_Full	NV	0	-26.199963	-0.006823	PASS
N77-370	30	40	CP-QPSK	M	Outer_Full	NV	10	-8.507654	-0.002216	PASS

0-3980										
N77-370 0-3980	30	40	CP-QPSK	M	Outer_Full	NV	20	-28.148273	-0.007330	PASS
N77-370 0-3980	30	40	CP-QPSK	M	Outer_Full	NV	30	-25.760893	-0.006709	PASS
N77-370 0-3980	30	40	CP-QPSK	M	Outer_Full	NV	40	-16.336432	-0.004254	PASS
N77-370 0-3980	30	40	CP-QPSK	M	Outer_Full	NV	50	-25.925537	-0.006751	PASS
N77-370 0-3980	30	40	CP-16QAM	M	Outer_Full	NV	-30	-13.490898	-0.003513	PASS
N77-370 0-3980	30	40	CP-16QAM	M	Outer_Full	NV	-20	-13.324407	-0.003470	PASS
N77-370 0-3980	30	40	CP-16QAM	M	Outer_Full	NV	-10	-12.273484	-0.003196	PASS
N77-370 0-3980	30	40	CP-16QAM	M	Outer_Full	NV	0	-12.293515	-0.003201	PASS
N77-370 0-3980	30	40	CP-16QAM	M	Outer_Full	NV	10	-29.136585	-0.007588	PASS
N77-370 0-3980	30	40	CP-16QAM	M	Outer_Full	NV	20	-23.445452	-0.006106	PASS
N77-370 0-3980	30	40	CP-16QAM	M	Outer_Full	NV	30	-21.498493	-0.005599	PASS
N77-370 0-3980	30	40	CP-16QAM	M	Outer_Full	NV	40	-14.932093	-0.003889	PASS
N77-370 0-3980	30	40	CP-16QAM	M	Outer_Full	NV	50	-6.291240	-0.001638	PASS
N77-370 0-3980	30	40	CP-QPSK	H	Outer_Full	NV	-30	-19.847298	-0.005012	PASS
N77-370 0-3980	30	40	CP-QPSK	H	Outer_Full	NV	-20	-27.248251	-0.006881	PASS
N77-370 0-3980	30	40	CP-QPSK	H	Outer_Full	NV	-10	-50.412937	-0.012731	PASS
N77-370 0-3980	30	40	CP-QPSK	H	Outer_Full	NV	0	-18.651398	-0.004710	PASS
N77-370 0-3980	30	40	CP-QPSK	H	Outer_Full	NV	10	-22.808939	-0.005760	PASS
N77-370 0-3980	30	40	CP-QPSK	H	Outer_Full	NV	20	-42.639500	-0.010768	PASS
N77-370 0-3980	30	40	CP-QPSK	H	Outer_Full	NV	30	-14.789388	-0.003735	PASS
N77-370	30	40	CP-QPSK	H	Outer_Full	NV	40	-30.989412	-0.007826	PASS

0-3980										
N77-370 0-3980	30	40	CP-QPSK	H	Outer_Full	NV	50	-40.417706	-0.010207	PASS
N77-370 0-3980	30	40	CP-16QAM	H	Outer_Full	NV	-30	-29.919788	-0.007556	PASS
N77-370 0-3980	30	40	CP-16QAM	H	Outer_Full	NV	-20	-28.421673	-0.007177	PASS
N77-370 0-3980	30	40	CP-16QAM	H	Outer_Full	NV	-10	-25.225229	-0.006370	PASS
N77-370 0-3980	30	40	CP-16QAM	H	Outer_Full	NV	0	-29.793251	-0.007524	PASS
N77-370 0-3980	30	40	CP-16QAM	H	Outer_Full	NV	10	-30.685623	-0.007749	PASS
N77-370 0-3980	30	40	CP-16QAM	H	Outer_Full	NV	20	-26.052608	-0.006579	PASS
N77-370 0-3980	30	40	CP-16QAM	H	Outer_Full	NV	30	-40.227848	-0.010159	PASS
N77-370 0-3980	30	40	CP-16QAM	H	Outer_Full	NV	40	-35.160801	-0.008879	PASS
N77-370 0-3980	30	40	CP-16QAM	H	Outer_Full	NV	50	-6.575796	-0.001661	PASS
N77-370 0-3980	30	50	CP-QPSK	L	Outer_Full	NV	-30	-36.196335	-0.009717	PASS
N77-370 0-3980	30	50	CP-QPSK	L	Outer_Full	NV	-20	-28.865295	-0.007749	PASS
N77-370 0-3980	30	50	CP-QPSK	L	Outer_Full	NV	-10	-16.072681	-0.004315	PASS
N77-370 0-3980	30	50	CP-QPSK	L	Outer_Full	NV	0	-18.216541	-0.004890	PASS
N77-370 0-3980	30	50	CP-QPSK	L	Outer_Full	NV	10	-31.311934	-0.008406	PASS
N77-370 0-3980	30	50	CP-QPSK	L	Outer_Full	NV	20	-24.545225	-0.006589	PASS
N77-370 0-3980	30	50	CP-QPSK	L	Outer_Full	NV	30	-32.163082	-0.008634	PASS
N77-370 0-3980	30	50	CP-QPSK	L	Outer_Full	NV	40	-16.791973	-0.004508	PASS
N77-370 0-3980	30	50	CP-QPSK	L	Outer_Full	NV	50	-19.296457	-0.005180	PASS
N77-370 0-3980	30	50	CP-16QAM	L	Outer_Full	NV	-30	-4.599020	-0.001235	PASS
N77-370	30	50	CP-16QAM	L	Outer_Full	NV	-20	-22.827124	-0.006128	PASS

0-3980										
N77-370 0-3980	30	50	CP-16QAM	L	Outer_Full	NV	-10	-19.788454	-0.005312	PASS
N77-370 0-3980	30	50	CP-16QAM	L	Outer_Full	NV	0	-38.280361	-0.010277	PASS
N77-370 0-3980	30	50	CP-16QAM	L	Outer_Full	NV	10	-31.995764	-0.008589	PASS
N77-370 0-3980	30	50	CP-16QAM	L	Outer_Full	NV	20	-22.422581	-0.006019	PASS
N77-370 0-3980	30	50	CP-16QAM	L	Outer_Full	NV	30	-34.559803	-0.009278	PASS
N77-370 0-3980	30	50	CP-16QAM	L	Outer_Full	NV	40	-27.367891	-0.007347	PASS
N77-370 0-3980	30	50	CP-16QAM	L	Outer_Full	NV	50	-39.437244	-0.010587	PASS
N77-370 0-3980	30	50	CP-QPSK	M	Outer_Full	NV	-30	-26.549335	-0.006914	PASS
N77-370 0-3980	30	50	CP-QPSK	M	Outer_Full	NV	-20	-15.868498	-0.004132	PASS
N77-370 0-3980	30	50	CP-QPSK	M	Outer_Full	NV	-10	-14.328254	-0.003731	PASS
N77-370 0-3980	30	50	CP-QPSK	M	Outer_Full	NV	0	-22.580477	-0.005880	PASS
N77-370 0-3980	30	50	CP-QPSK	M	Outer_Full	NV	10	-25.483370	-0.006636	PASS
N77-370 0-3980	30	50	CP-QPSK	M	Outer_Full	NV	20	-25.095629	-0.006535	PASS
N77-370 0-3980	30	50	CP-QPSK	M	Outer_Full	NV	30	-19.510420	-0.005081	PASS
N77-370 0-3980	30	50	CP-QPSK	M	Outer_Full	NV	40	-11.460560	-0.002985	PASS
N77-370 0-3980	30	50	CP-QPSK	M	Outer_Full	NV	50	-0.664700	-0.000173	PASS
N77-370 0-3980	30	50	CP-16QAM	M	Outer_Full	NV	-30	-14.315005	-0.003728	PASS
N77-370 0-3980	30	50	CP-16QAM	M	Outer_Full	NV	-20	-16.017067	-0.004171	PASS
N77-370 0-3980	30	50	CP-16QAM	M	Outer_Full	NV	-10	-35.538136	-0.009255	PASS
N77-370 0-3980	30	50	CP-16QAM	M	Outer_Full	NV	0	-12.967315	-0.003377	PASS
N77-370	30	50	CP-16QAM	M	Outer_Full	NV	10	-9.496429	-0.002473	PASS

0-3980										
N77-370 0-3980	30	50	CP-16QAM	M	Outer_Full	NV	20	-3.471961	-0.000904	PASS
N77-370 0-3980	30	50	CP-16QAM	M	Outer_Full	NV	30	-21.498142	-0.005598	PASS
N77-370 0-3980	30	50	CP-16QAM	M	Outer_Full	NV	40	-12.085313	-0.003147	PASS
N77-370 0-3980	30	50	CP-16QAM	M	Outer_Full	NV	50	-7.876768	-0.002051	PASS
N77-370 0-3980	30	50	CP-QPSK	H	Outer_Full	NV	-30	-33.801788	-0.008547	PASS
N77-370 0-3980	30	50	CP-QPSK	H	Outer_Full	NV	-20	-30.552731	-0.007725	PASS
N77-370 0-3980	30	50	CP-QPSK	H	Outer_Full	NV	-10	-14.617410	-0.003696	PASS
N77-370 0-3980	30	50	CP-QPSK	H	Outer_Full	NV	0	-29.860352	-0.007550	PASS
N77-370 0-3980	30	50	CP-QPSK	H	Outer_Full	NV	10	-17.833750	-0.004509	PASS
N77-370 0-3980	30	50	CP-QPSK	H	Outer_Full	NV	20	-43.421101	-0.010979	PASS
N77-370 0-3980	30	50	CP-QPSK	H	Outer_Full	NV	30	-44.309860	-0.011204	PASS
N77-370 0-3980	30	50	CP-QPSK	H	Outer_Full	NV	40	-41.519810	-0.010498	PASS
N77-370 0-3980	30	50	CP-QPSK	H	Outer_Full	NV	50	-34.145683	-0.008634	PASS
N77-370 0-3980	30	50	CP-16QAM	H	Outer_Full	NV	-30	-29.530416	-0.007467	PASS
N77-370 0-3980	30	50	CP-16QAM	H	Outer_Full	NV	-20	-36.634979	-0.009263	PASS
N77-370 0-3980	30	50	CP-16QAM	H	Outer_Full	NV	-10	-43.913506	-0.011103	PASS
N77-370 0-3980	30	50	CP-16QAM	H	Outer_Full	NV	0	-46.208538	-0.011684	PASS
N77-370 0-3980	30	50	CP-16QAM	H	Outer_Full	NV	10	-25.113483	-0.006350	PASS
N77-370 0-3980	30	50	CP-16QAM	H	Outer_Full	NV	20	-30.149811	-0.007623	PASS
N77-370 0-3980	30	50	CP-16QAM	H	Outer_Full	NV	30	-31.550390	-0.007977	PASS
N77-370	30	50	CP-16QAM	H	Outer_Full	NV	40	-32.526363	-0.008224	PASS

0-3980										
N77-370 0-3980	30	50	CP-16QAM	H	Outer_Full	NV	50	-33.168957	-0.008387	PASS
N77-370 0-3980	30	60	CP-QPSK	L	Outer_Full	NV	-30	-25.563971	-0.006854	PASS
N77-370 0-3980	30	60	CP-QPSK	L	Outer_Full	NV	-20	-38.165684	-0.010232	PASS
N77-370 0-3980	30	60	CP-QPSK	L	Outer_Full	NV	-10	-35.587490	-0.009541	PASS
N77-370 0-3980	30	60	CP-QPSK	L	Outer_Full	NV	0	-48.645802	-0.013042	PASS
N77-370 0-3980	30	60	CP-QPSK	L	Outer_Full	NV	10	-34.226196	-0.009176	PASS
N77-370 0-3980	30	60	CP-QPSK	L	Outer_Full	NV	20	-36.027069	-0.009659	PASS
N77-370 0-3980	30	60	CP-QPSK	L	Outer_Full	NV	30	-35.223278	-0.009443	PASS
N77-370 0-3980	30	60	CP-QPSK	L	Outer_Full	NV	40	-51.984379	-0.013937	PASS
N77-370 0-3980	30	60	CP-QPSK	L	Outer_Full	NV	50	-44.526112	-0.011937	PASS
N77-370 0-3980	30	60	CP-16QAM	L	Outer_Full	NV	-30	-29.502916	-0.007910	PASS
N77-370 0-3980	30	60	CP-16QAM	L	Outer_Full	NV	-20	-34.460758	-0.009239	PASS
N77-370 0-3980	30	60	CP-16QAM	L	Outer_Full	NV	-10	-41.722782	-0.011186	PASS
N77-370 0-3980	30	60	CP-16QAM	L	Outer_Full	NV	0	-44.977272	-0.012058	PASS
N77-370 0-3980	30	60	CP-16QAM	L	Outer_Full	NV	10	-46.332489	-0.012422	PASS
N77-370 0-3980	30	60	CP-16QAM	L	Outer_Full	NV	20	-26.819115	-0.007190	PASS
N77-370 0-3980	30	60	CP-16QAM	L	Outer_Full	NV	30	-29.701672	-0.007963	PASS
N77-370 0-3980	30	60	CP-16QAM	L	Outer_Full	NV	40	-53.212021	-0.014266	PASS
N77-370 0-3980	30	60	CP-16QAM	L	Outer_Full	NV	50	-29.258482	-0.007844	PASS
N77-370 0-3980	30	60	CP-QPSK	M	Outer_Full	NV	-30	-16.732454	-0.004357	PASS
N77-370	30	60	CP-QPSK	M	Outer_Full	NV	-20	-10.247960	-0.002669	PASS

0-3980										
N77-370 0-3980	30	60	CP-QPSK	M	Outer_Full	NV	-10	-15.833997	-0.004123	PASS
N77-370 0-3980	30	60	CP-QPSK	M	Outer_Full	NV	0	-37.710236	-0.009820	PASS
N77-370 0-3980	30	60	CP-QPSK	M	Outer_Full	NV	10	-26.798656	-0.006979	PASS
N77-370 0-3980	30	60	CP-QPSK	M	Outer_Full	NV	20	-35.519325	-0.009250	PASS
N77-370 0-3980	30	60	CP-QPSK	M	Outer_Full	NV	30	-16.056803	-0.004181	PASS
N77-370 0-3980	30	60	CP-QPSK	M	Outer_Full	NV	40	-17.654837	-0.004598	PASS
N77-370 0-3980	30	60	CP-QPSK	M	Outer_Full	NV	50	-37.608753	-0.009794	PASS
N77-370 0-3980	30	60	CP-16QAM	M	Outer_Full	NV	-30	-32.441036	-0.008448	PASS
N77-370 0-3980	30	60	CP-16QAM	M	Outer_Full	NV	-20	-18.408226	-0.004794	PASS
N77-370 0-3980	30	60	CP-16QAM	M	Outer_Full	NV	-10	-22.940933	-0.005974	PASS
N77-370 0-3980	30	60	CP-16QAM	M	Outer_Full	NV	0	-29.975395	-0.007806	PASS
N77-370 0-3980	30	60	CP-16QAM	M	Outer_Full	NV	10	-13.853039	-0.003608	PASS
N77-370 0-3980	30	60	CP-16QAM	M	Outer_Full	NV	20	-38.790176	-0.010102	PASS
N77-370 0-3980	30	60	CP-16QAM	M	Outer_Full	NV	30	-17.638168	-0.004593	PASS
N77-370 0-3980	30	60	CP-16QAM	M	Outer_Full	NV	40	-19.691307	-0.005128	PASS
N77-370 0-3980	30	60	CP-16QAM	M	Outer_Full	NV	50	-21.927242	-0.005710	PASS
N77-370 0-3980	30	60	CP-QPSK	H	Outer_Full	NV	-30	-33.579723	-0.008501	PASS
N77-370 0-3980	30	60	CP-QPSK	H	Outer_Full	NV	-20	-39.293625	-0.009948	PASS
N77-370 0-3980	30	60	CP-QPSK	H	Outer_Full	NV	-10	-29.293064	-0.007416	PASS
N77-370 0-3980	30	60	CP-QPSK	H	Outer_Full	NV	0	-33.268085	-0.008422	PASS
N77-370	30	60	CP-QPSK	H	Outer_Full	NV	10	-25.273453	-0.006398	PASS

0-3980										
N77-370 0-3980	30	60	CP-QPSK	H	Outer_Full	NV	20	-17.726522	-0.004488	PASS
N77-370 0-3980	30	60	CP-QPSK	H	Outer_Full	NV	30	-25.514263	-0.006459	PASS
N77-370 0-3980	30	60	CP-QPSK	H	Outer_Full	NV	40	-25.381355	-0.006426	PASS
N77-370 0-3980	30	60	CP-QPSK	H	Outer_Full	NV	50	-28.893826	-0.007315	PASS
N77-370 0-3980	30	60	CP-16QAM	H	Outer_Full	NV	-30	-32.583588	-0.008249	PASS
N77-370 0-3980	30	60	CP-16QAM	H	Outer_Full	NV	-20	-22.722654	-0.005753	PASS
N77-370 0-3980	30	60	CP-16QAM	H	Outer_Full	NV	-10	-31.611404	-0.008003	PASS
N77-370 0-3980	30	60	CP-16QAM	H	Outer_Full	NV	0	-40.325424	-0.010209	PASS
N77-370 0-3980	30	60	CP-16QAM	H	Outer_Full	NV	10	-24.722893	-0.006259	PASS
N77-370 0-3980	30	60	CP-16QAM	H	Outer_Full	NV	20	-27.311520	-0.006914	PASS
N77-370 0-3980	30	60	CP-16QAM	H	Outer_Full	NV	30	-33.758671	-0.008546	PASS
N77-370 0-3980	30	60	CP-16QAM	H	Outer_Full	NV	40	-33.717525	-0.008536	PASS
N77-370 0-3980	30	60	CP-16QAM	H	Outer_Full	NV	50	-37.543987	-0.009505	PASS
N77-370 0-3980	30	80	CP-QPSK	L	Outer_Full	NV	-30	-31.732851	-0.008485	PASS
N77-370 0-3980	30	80	CP-QPSK	L	Outer_Full	NV	-20	-32.392601	-0.008661	PASS
N77-370 0-3980	30	80	CP-QPSK	L	Outer_Full	NV	-10	-47.194103	-0.012619	PASS
N77-370 0-3980	30	80	CP-QPSK	L	Outer_Full	NV	0	-20.825066	-0.005568	PASS
N77-370 0-3980	30	80	CP-QPSK	L	Outer_Full	NV	10	-38.076683	-0.010181	PASS
N77-370 0-3980	30	80	CP-QPSK	L	Outer_Full	NV	20	-26.968754	-0.007211	PASS
N77-370 0-3980	30	80	CP-QPSK	L	Outer_Full	NV	30	-31.733576	-0.008485	PASS
N77-370	30	80	CP-QPSK	L	Outer_Full	NV	40	-35.480099	-0.009487	PASS

0-3980										
N77-370 0-3980	30	80	CP-QPSK	L	Outer_Full	NV	50	-36.469109	-0.009751	PASS
N77-370 0-3980	30	80	CP-16QAM	L	Outer_Full	NV	-30	-15.693134	-0.004196	PASS
N77-370 0-3980	30	80	CP-16QAM	L	Outer_Full	NV	-20	-31.393162	-0.008394	PASS
N77-370 0-3980	30	80	CP-16QAM	L	Outer_Full	NV	-10	-37.828117	-0.010114	PASS
N77-370 0-3980	30	80	CP-16QAM	L	Outer_Full	NV	0	-42.680405	-0.011412	PASS
N77-370 0-3980	30	80	CP-16QAM	L	Outer_Full	NV	10	-50.725857	-0.013563	PASS
N77-370 0-3980	30	80	CP-16QAM	L	Outer_Full	NV	20	-33.352474	-0.008918	PASS
N77-370 0-3980	30	80	CP-16QAM	L	Outer_Full	NV	30	-35.947411	-0.009612	PASS
N77-370 0-3980	30	80	CP-16QAM	L	Outer_Full	NV	40	-36.627945	-0.009794	PASS
N77-370 0-3980	30	80	CP-16QAM	L	Outer_Full	NV	50	-39.444473	-0.010547	PASS
N77-370 0-3980	30	80	CP-QPSK	M	Outer_Full	NV	-30	-44.964046	-0.011709	PASS
N77-370 0-3980	30	80	CP-QPSK	M	Outer_Full	NV	-20	-24.838545	-0.006468	PASS
N77-370 0-3980	30	80	CP-QPSK	M	Outer_Full	NV	-10	-34.983036	-0.009110	PASS
N77-370 0-3980	30	80	CP-QPSK	M	Outer_Full	NV	0	-14.595597	-0.003801	PASS
N77-370 0-3980	30	80	CP-QPSK	M	Outer_Full	NV	10	-31.444605	-0.008189	PASS
N77-370 0-3980	30	80	CP-QPSK	M	Outer_Full	NV	20	-20.663628	-0.005381	PASS
N77-370 0-3980	30	80	CP-QPSK	M	Outer_Full	NV	30	-25.899693	-0.006745	PASS
N77-370 0-3980	30	80	CP-QPSK	M	Outer_Full	NV	40	-29.015787	-0.007556	PASS
N77-370 0-3980	30	80	CP-QPSK	M	Outer_Full	NV	50	-29.343882	-0.007642	PASS
N77-370 0-3980	30	80	CP-16QAM	M	Outer_Full	NV	-30	-27.964121	-0.007282	PASS
N77-370	30	80	CP-16QAM	M	Outer_Full	NV	-20	-15.211136	-0.003961	PASS

0-3980										
N77-370 0-3980	30	80	CP-16QAM	M	Outer_Full	NV	-10	-21.860964	-0.005693	PASS
N77-370 0-3980	30	80	CP-16QAM	M	Outer_Full	NV	0	-29.844461	-0.007772	PASS
N77-370 0-3980	30	80	CP-16QAM	M	Outer_Full	NV	10	-31.615414	-0.008233	PASS
N77-370 0-3980	30	80	CP-16QAM	M	Outer_Full	NV	20	-36.318119	-0.009458	PASS
N77-370 0-3980	30	80	CP-16QAM	M	Outer_Full	NV	30	-14.891048	-0.003878	PASS
N77-370 0-3980	30	80	CP-16QAM	M	Outer_Full	NV	40	-15.964129	-0.004157	PASS
N77-370 0-3980	30	80	CP-16QAM	M	Outer_Full	NV	50	-13.784626	-0.003590	PASS
N77-370 0-3980	30	80	CP-QPSK	H	Outer_Full	NV	-30	-24.562668	-0.006234	PASS
N77-370 0-3980	30	80	CP-QPSK	H	Outer_Full	NV	-20	-25.712294	-0.006526	PASS
N77-370 0-3980	30	80	CP-QPSK	H	Outer_Full	NV	-10	-40.409920	-0.010256	PASS
N77-370 0-3980	30	80	CP-QPSK	H	Outer_Full	NV	0	-39.788521	-0.010099	PASS
N77-370 0-3980	30	80	CP-QPSK	H	Outer_Full	NV	10	-33.771858	-0.008572	PASS
N77-370 0-3980	30	80	CP-QPSK	H	Outer_Full	NV	20	-21.035635	-0.005339	PASS
N77-370 0-3980	30	80	CP-QPSK	H	Outer_Full	NV	30	-26.753065	-0.006790	PASS
N77-370 0-3980	30	80	CP-QPSK	H	Outer_Full	NV	40	-32.095169	-0.008146	PASS
N77-370 0-3980	30	80	CP-QPSK	H	Outer_Full	NV	50	-31.607458	-0.008022	PASS
N77-370 0-3980	30	80	CP-16QAM	H	Outer_Full	NV	-30	-14.696845	-0.003730	PASS
N77-370 0-3980	30	80	CP-16QAM	H	Outer_Full	NV	-20	-24.480396	-0.006213	PASS
N77-370 0-3980	30	80	CP-16QAM	H	Outer_Full	NV	-10	-34.046940	-0.008641	PASS
N77-370 0-3980	30	80	CP-16QAM	H	Outer_Full	NV	0	-43.118599	-0.010944	PASS
N77-370	30	80	CP-16QAM	H	Outer_Full	NV	10	-24.021383	-0.006097	PASS

0-3980										
N77-370 0-3980	30	80	CP-16QAM	H	Outer_Full	NV	20	-6.990777	-0.001774	PASS
N77-370 0-3980	30	80	CP-16QAM	H	Outer_Full	NV	30	-9.870904	-0.002505	PASS
N77-370 0-3980	30	80	CP-16QAM	H	Outer_Full	NV	40	-16.012537	-0.004064	PASS
N77-370 0-3980	30	80	CP-16QAM	H	Outer_Full	NV	50	-43.405537	-0.011017	PASS
N77-370 0-3980	30	90	CP-QPSK	L	Outer_Full	NV	-30	-36.853256	-0.009841	PASS
N77-370 0-3980	30	90	CP-QPSK	L	Outer_Full	NV	-20	-34.783039	-0.009288	PASS
N77-370 0-3980	30	90	CP-QPSK	L	Outer_Full	NV	-10	-40.893188	-0.010919	PASS
N77-370 0-3980	30	90	CP-QPSK	L	Outer_Full	NV	0	-39.467232	-0.010539	PASS
N77-370 0-3980	30	90	CP-QPSK	L	Outer_Full	NV	10	-26.376936	-0.007043	PASS
N77-370 0-3980	30	90	CP-QPSK	L	Outer_Full	NV	20	-40.271992	-0.010753	PASS
N77-370 0-3980	30	90	CP-QPSK	L	Outer_Full	NV	30	-45.100861	-0.012043	PASS
N77-370 0-3980	30	90	CP-QPSK	L	Outer_Full	NV	40	-42.674709	-0.011395	PASS
N77-370 0-3980	30	90	CP-QPSK	L	Outer_Full	NV	50	-42.368965	-0.011313	PASS
N77-370 0-3980	30	90	CP-16QAM	L	Outer_Full	NV	-30	-41.485600	-0.011078	PASS
N77-370 0-3980	30	90	CP-16QAM	L	Outer_Full	NV	-20	-30.241621	-0.008075	PASS
N77-370 0-3980	30	90	CP-16QAM	L	Outer_Full	NV	-10	-34.699265	-0.009265	PASS
N77-370 0-3980	30	90	CP-16QAM	L	Outer_Full	NV	0	-42.758896	-0.011418	PASS
N77-370 0-3980	30	90	CP-16QAM	L	Outer_Full	NV	10	-47.005081	-0.012551	PASS
N77-370 0-3980	30	90	CP-16QAM	L	Outer_Full	NV	20	-27.535536	-0.007353	PASS
N77-370 0-3980	30	90	CP-16QAM	L	Outer_Full	NV	30	-32.928787	-0.008793	PASS
N77-370	30	90	CP-16QAM	L	Outer_Full	NV	40	-37.879711	-0.010115	PASS

0-3980										
N77-370 0-3980	30	90	CP-16QAM	L	Outer_Full	NV	50	-10.673643	-0.002850	PASS
N77-370 0-3980	30	90	CP-QPSK	M	Outer_Full	NV	-30	-19.035044	-0.004957	PASS
N77-370 0-3980	30	90	CP-QPSK	M	Outer_Full	NV	-20	-3.221061	-0.000839	PASS
N77-370 0-3980	30	90	CP-QPSK	M	Outer_Full	NV	-10	-20.538738	-0.005349	PASS
N77-370 0-3980	30	90	CP-QPSK	M	Outer_Full	NV	0	-24.380871	-0.006349	PASS
N77-370 0-3980	30	90	CP-QPSK	M	Outer_Full	NV	10	-21.827414	-0.005684	PASS
N77-370 0-3980	30	90	CP-QPSK	M	Outer_Full	NV	20	-13.472538	-0.003508	PASS
N77-370 0-3980	30	90	CP-QPSK	M	Outer_Full	NV	30	-26.370377	-0.006867	PASS
N77-370 0-3980	30	90	CP-QPSK	M	Outer_Full	NV	40	-12.417661	-0.003234	PASS
N77-370 0-3980	30	90	CP-QPSK	M	Outer_Full	NV	50	-13.357604	-0.003479	PASS
N77-370 0-3980	30	90	CP-16QAM	M	Outer_Full	NV	-30	-15.909969	-0.004143	PASS
N77-370 0-3980	30	90	CP-16QAM	M	Outer_Full	NV	-20	-31.559982	-0.008219	PASS
N77-370 0-3980	30	90	CP-16QAM	M	Outer_Full	NV	-10	-23.585821	-0.006142	PASS
N77-370 0-3980	30	90	CP-16QAM	M	Outer_Full	NV	0	-11.443014	-0.002980	PASS
N77-370 0-3980	30	90	CP-16QAM	M	Outer_Full	NV	10	-22.604300	-0.005887	PASS
N77-370 0-3980	30	90	CP-16QAM	M	Outer_Full	NV	20	-5.303887	-0.001381	PASS
N77-370 0-3980	30	90	CP-16QAM	M	Outer_Full	NV	30	-14.664272	-0.003819	PASS
N77-370 0-3980	30	90	CP-16QAM	M	Outer_Full	NV	40	6.730389	0.001753	PASS
N77-370 0-3980	30	90	CP-16QAM	M	Outer_Full	NV	50	-23.449783	-0.006107	PASS
N77-370 0-3980	30	90	CP-QPSK	H	Outer_Full	NV	-30	-13.420103	-0.003410	PASS
N77-370	30	90	CP-QPSK	H	Outer_Full	NV	-20	-35.796371	-0.009097	PASS

0-3980										
N77-370 0-3980	30	90	CP-QPSK	H	Outer_Full	NV	-10	-13.420822	-0.003411	PASS
N77-370 0-3980	30	90	CP-QPSK	H	Outer_Full	NV	0	-37.436367	-0.009514	PASS
N77-370 0-3980	30	90	CP-QPSK	H	Outer_Full	NV	10	-26.043499	-0.006618	PASS
N77-370 0-3980	30	90	CP-QPSK	H	Outer_Full	NV	20	-38.224869	-0.009714	PASS
N77-370 0-3980	30	90	CP-QPSK	H	Outer_Full	NV	30	-15.647905	-0.003977	PASS
N77-370 0-3980	30	90	CP-QPSK	H	Outer_Full	NV	40	-41.921680	-0.010654	PASS
N77-370 0-3980	30	90	CP-QPSK	H	Outer_Full	NV	50	-12.184749	-0.003097	PASS
N77-370 0-3980	30	90	CP-16QAM	H	Outer_Full	NV	-30	-30.511707	-0.007754	PASS
N77-370 0-3980	30	90	CP-16QAM	H	Outer_Full	NV	-20	-17.279232	-0.004391	PASS
N77-370 0-3980	30	90	CP-16QAM	H	Outer_Full	NV	-10	-22.974367	-0.005839	PASS
N77-370 0-3980	30	90	CP-16QAM	H	Outer_Full	NV	0	-26.754120	-0.006799	PASS
N77-370 0-3980	30	90	CP-16QAM	H	Outer_Full	NV	10	-33.071484	-0.008404	PASS
N77-370 0-3980	30	90	CP-16QAM	H	Outer_Full	NV	20	-34.848984	-0.008856	PASS
N77-370 0-3980	30	90	CP-16QAM	H	Outer_Full	NV	30	-34.803612	-0.008845	PASS
N77-370 0-3980	30	90	CP-16QAM	H	Outer_Full	NV	40	-33.205547	-0.008439	PASS
N77-370 0-3980	30	90	CP-16QAM	H	Outer_Full	NV	50	-34.900852	-0.008869	PASS
N77-370 0-3980	30	100	CP-QPSK	L	Outer_Full	NV	-30	-38.376301	-0.010234	PASS
N77-370 0-3980	30	100	CP-QPSK	L	Outer_Full	NV	-20	-48.736328	-0.012996	PASS
N77-370 0-3980	30	100	CP-QPSK	L	Outer_Full	NV	-10	-27.403727	-0.007308	PASS
N77-370 0-3980	30	100	CP-QPSK	L	Outer_Full	NV	0	-28.628435	-0.007634	PASS
N77-370	30	100	CP-QPSK	L	Outer_Full	NV	10	-23.510098	-0.006269	PASS

0-3980										
N77-370 0-3980	30	100	CP-QPSK	L	Outer_Full	NV	20	-30.625765	-0.008167	PASS
N77-370 0-3980	30	100	CP-QPSK	L	Outer_Full	NV	30	-31.943750	-0.008518	PASS
N77-370 0-3980	30	100	CP-QPSK	L	Outer_Full	NV	40	-26.823191	-0.007153	PASS
N77-370 0-3980	30	100	CP-QPSK	L	Outer_Full	NV	50	-20.309504	-0.005416	PASS
N77-370 0-3980	30	100	CP-16QAM	L	Outer_Full	NV	-30	-30.531706	-0.008142	PASS
N77-370 0-3980	30	100	CP-16QAM	L	Outer_Full	NV	-20	-31.381145	-0.008368	PASS
N77-370 0-3980	30	100	CP-16QAM	L	Outer_Full	NV	-10	-25.655491	-0.006841	PASS
N77-370 0-3980	30	100	CP-16QAM	L	Outer_Full	NV	0	-38.359192	-0.010229	PASS
N77-370 0-3980	30	100	CP-16QAM	L	Outer_Full	NV	10	-31.327597	-0.008354	PASS
N77-370 0-3980	30	100	CP-16QAM	L	Outer_Full	NV	20	-23.772270	-0.006339	PASS
N77-370 0-3980	30	100	CP-16QAM	L	Outer_Full	NV	30	-13.699477	-0.003653	PASS
N77-370 0-3980	30	100	CP-16QAM	L	Outer_Full	NV	40	-23.408884	-0.006242	PASS
N77-370 0-3980	30	100	CP-16QAM	L	Outer_Full	NV	50	-29.146801	-0.007772	PASS
N77-370 0-3980	30	100	CP-QPSK	M	Outer_Full	NV	-30	-11.914350	-0.003103	PASS
N77-370 0-3980	30	100	CP-QPSK	M	Outer_Full	NV	-20	-28.680788	-0.007469	PASS
N77-370 0-3980	30	100	CP-QPSK	M	Outer_Full	NV	-10	-24.596987	-0.006405	PASS
N77-370 0-3980	30	100	CP-QPSK	M	Outer_Full	NV	0	-14.710465	-0.003831	PASS
N77-370 0-3980	30	100	CP-QPSK	M	Outer_Full	NV	10	-26.667068	-0.006945	PASS
N77-370 0-3980	30	100	CP-QPSK	M	Outer_Full	NV	20	-29.920755	-0.007792	PASS
N77-370 0-3980	30	100	CP-QPSK	M	Outer_Full	NV	30	-16.534853	-0.004306	PASS
N77-370	30	100	CP-QPSK	M	Outer_Full	NV	40	-15.101005	-0.003933	PASS

0-3980										
N77-370 0-3980	30	100	CP-QPSK	M	Outer_Full	NV	50	-24.349199	-0.006341	PASS
N77-370 0-3980	30	100	CP-16QAM	M	Outer_Full	NV	-30	-15.085492	-0.003929	PASS
N77-370 0-3980	30	100	CP-16QAM	M	Outer_Full	NV	-20	-16.255281	-0.004233	PASS
N77-370 0-3980	30	100	CP-16QAM	M	Outer_Full	NV	-10	-14.045918	-0.003658	PASS
N77-370 0-3980	30	100	CP-16QAM	M	Outer_Full	NV	0	-26.755465	-0.006968	PASS
N77-370 0-3980	30	100	CP-16QAM	M	Outer_Full	NV	10	-20.903793	-0.005444	PASS
N77-370 0-3980	30	100	CP-16QAM	M	Outer_Full	NV	20	-12.287501	-0.003200	PASS
N77-370 0-3980	30	100	CP-16QAM	M	Outer_Full	NV	30	-21.471239	-0.005591	PASS
N77-370 0-3980	30	100	CP-16QAM	M	Outer_Full	NV	40	-29.369213	-0.007648	PASS
N77-370 0-3980	30	100	CP-16QAM	M	Outer_Full	NV	50	-19.269026	-0.005018	PASS
N77-370 0-3980	30	100	CP-QPSK	H	Outer_Full	NV	-30	-36.402725	-0.009263	PASS
N77-370 0-3980	30	100	CP-QPSK	H	Outer_Full	NV	-20	-16.290972	-0.004145	PASS
N77-370 0-3980	30	100	CP-QPSK	H	Outer_Full	NV	-10	-29.901711	-0.007609	PASS
N77-370 0-3980	30	100	CP-QPSK	H	Outer_Full	NV	0	-39.918896	-0.010157	PASS
N77-370 0-3980	30	100	CP-QPSK	H	Outer_Full	NV	10	-30.218443	-0.007689	PASS
N77-370 0-3980	30	100	CP-QPSK	H	Outer_Full	NV	20	-18.719568	-0.004763	PASS
N77-370 0-3980	30	100	CP-QPSK	H	Outer_Full	NV	30	-22.605228	-0.005752	PASS
N77-370 0-3980	30	100	CP-QPSK	H	Outer_Full	NV	40	-34.773140	-0.008848	PASS
N77-370 0-3980	30	100	CP-QPSK	H	Outer_Full	NV	50	-31.775080	-0.008085	PASS
N77-370 0-3980	30	100	CP-16QAM	H	Outer_Full	NV	-30	-20.293312	-0.005164	PASS
N77-370	30	100	CP-16QAM	H	Outer_Full	NV	-20	-34.227886	-0.008709	PASS

0-3980										
N77-370 0-3980	30	100	CP-16QAM	H	Outer_Full	NV	-10	-30.344429	-0.007721	PASS
N77-370 0-3980	30	100	CP-16QAM	H	Outer_Full	NV	0	-45.198612	-0.011501	PASS
N77-370 0-3980	30	100	CP-16QAM	H	Outer_Full	NV	10	-22.867594	-0.005819	PASS
N77-370 0-3980	30	100	CP-16QAM	H	Outer_Full	NV	20	-31.605843	-0.008042	PASS
N77-370 0-3980	30	100	CP-16QAM	H	Outer_Full	NV	30	-40.757217	-0.010371	PASS
N77-370 0-3980	30	100	CP-16QAM	H	Outer_Full	NV	40	-47.752853	-0.012151	PASS
N77-370 0-3980	30	100	CP-16QAM	H	Outer_Full	NV	50	-35.813988	-0.009113	PASS