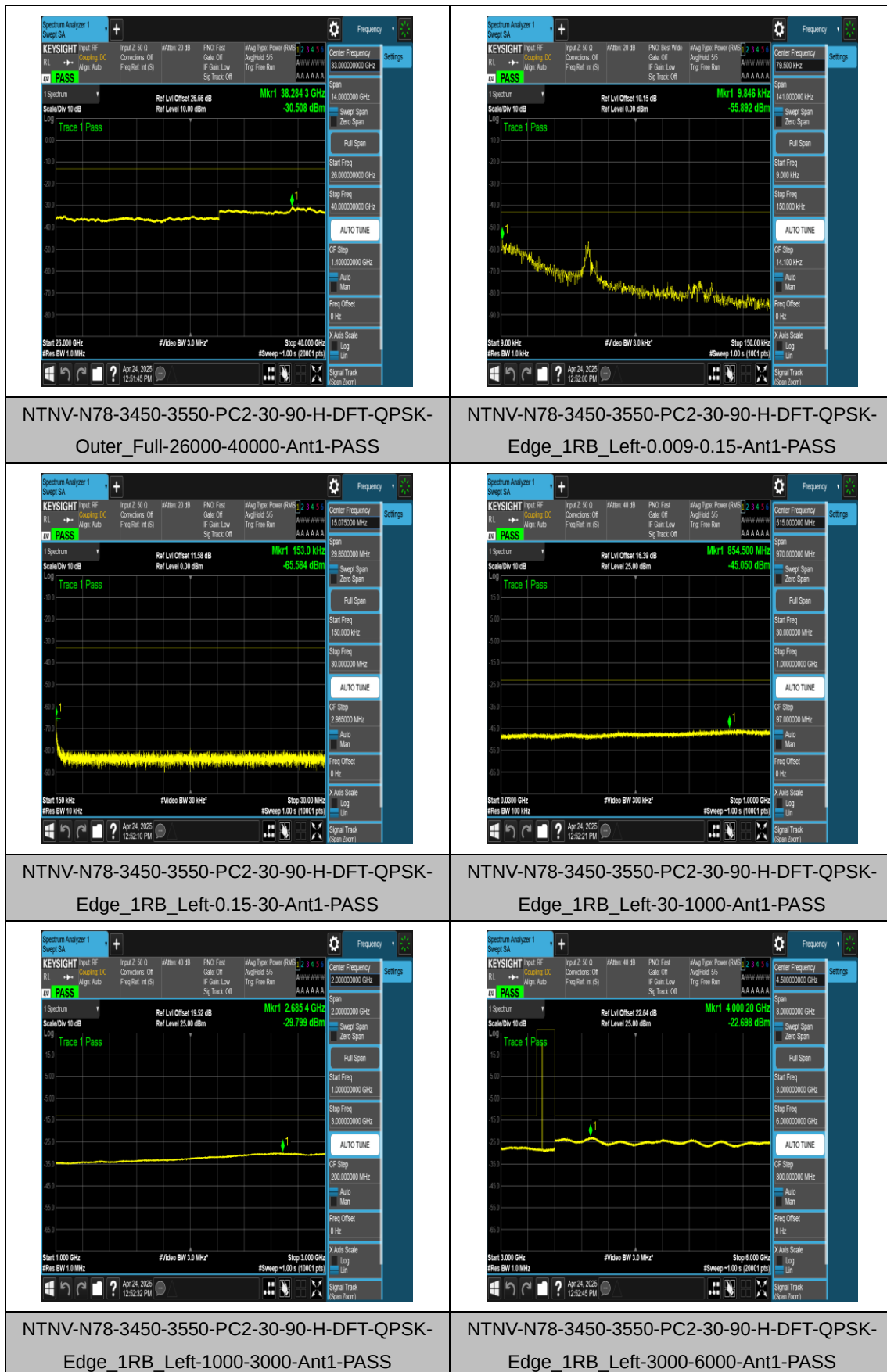
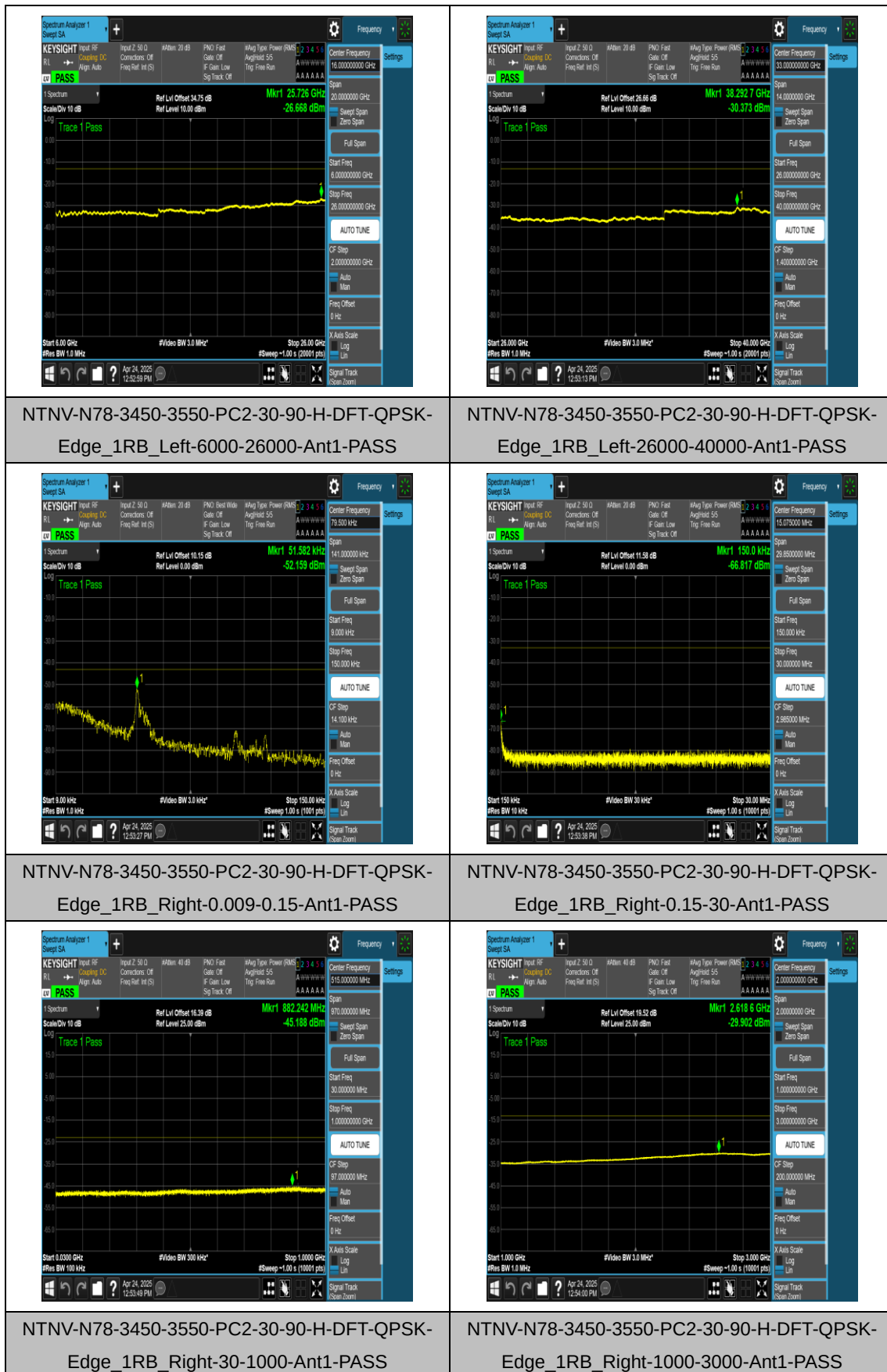
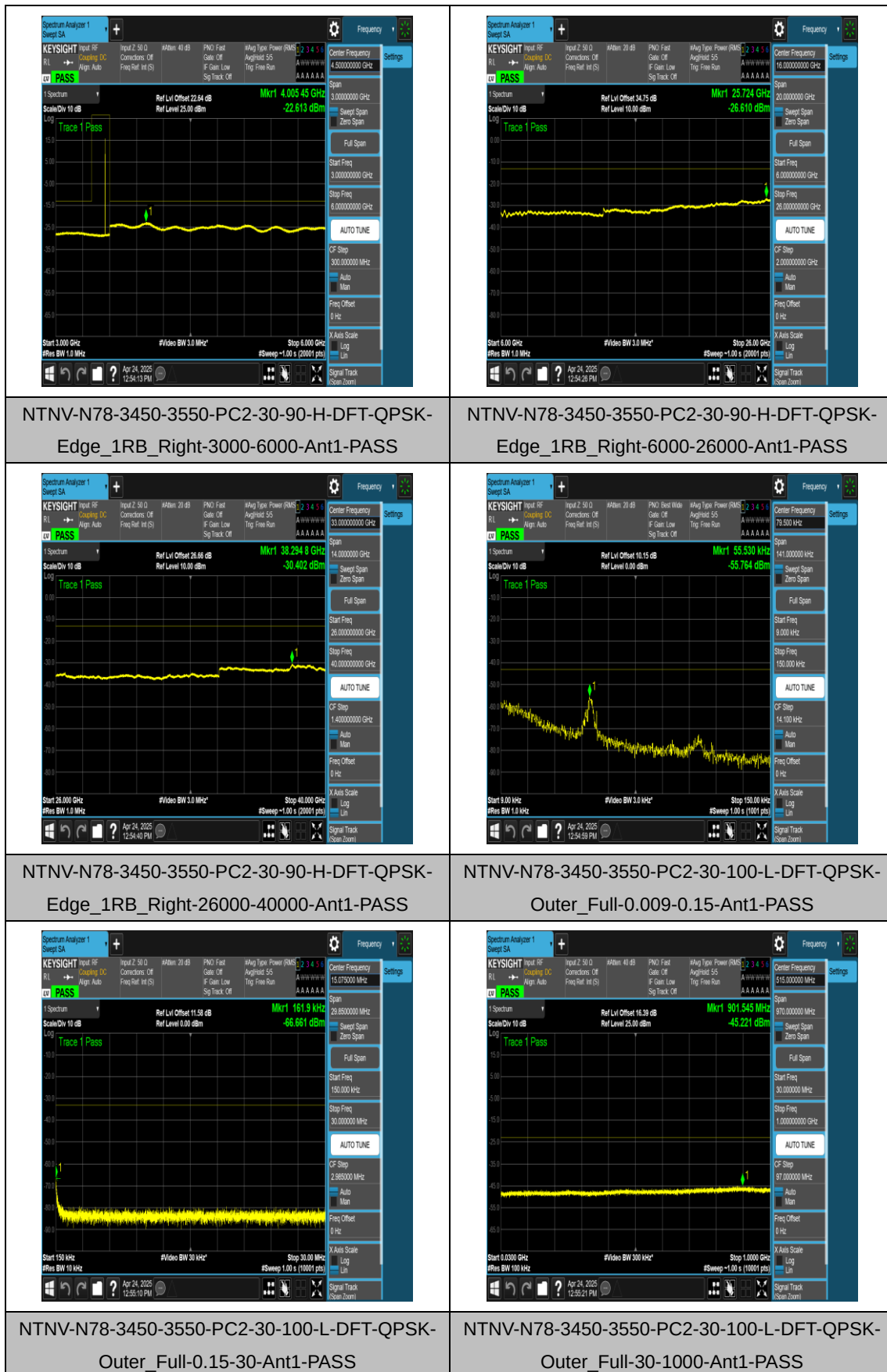
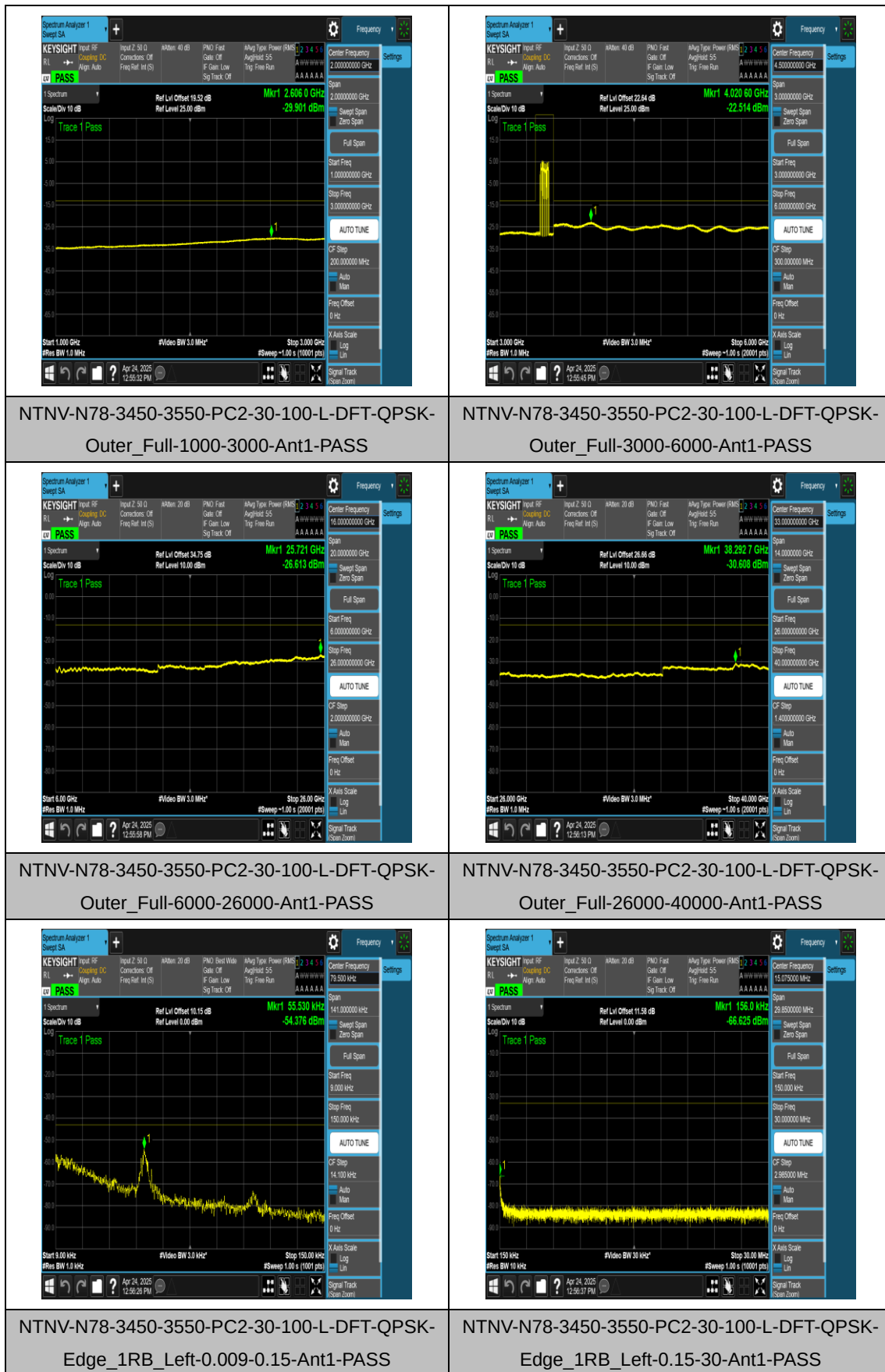
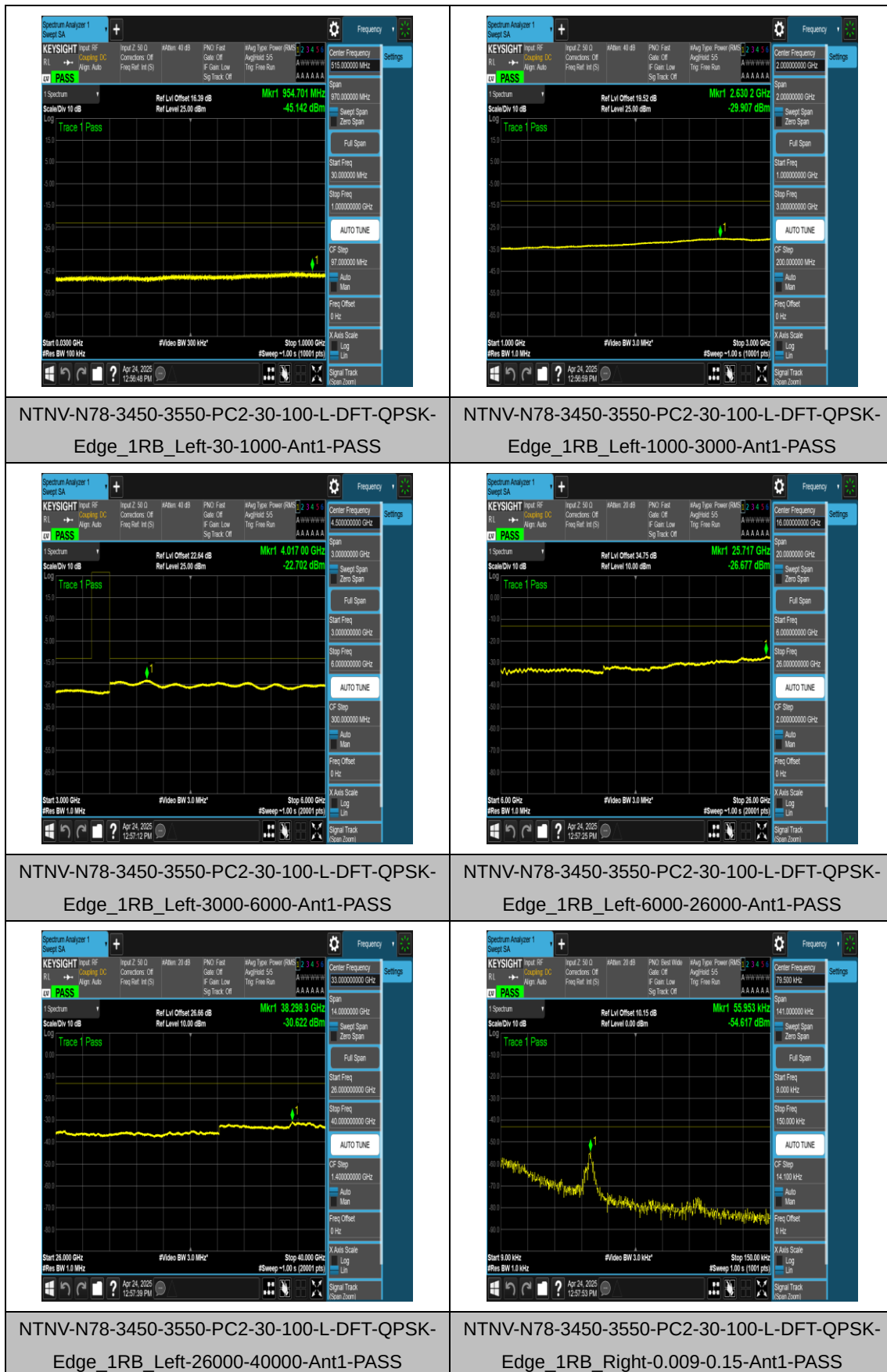


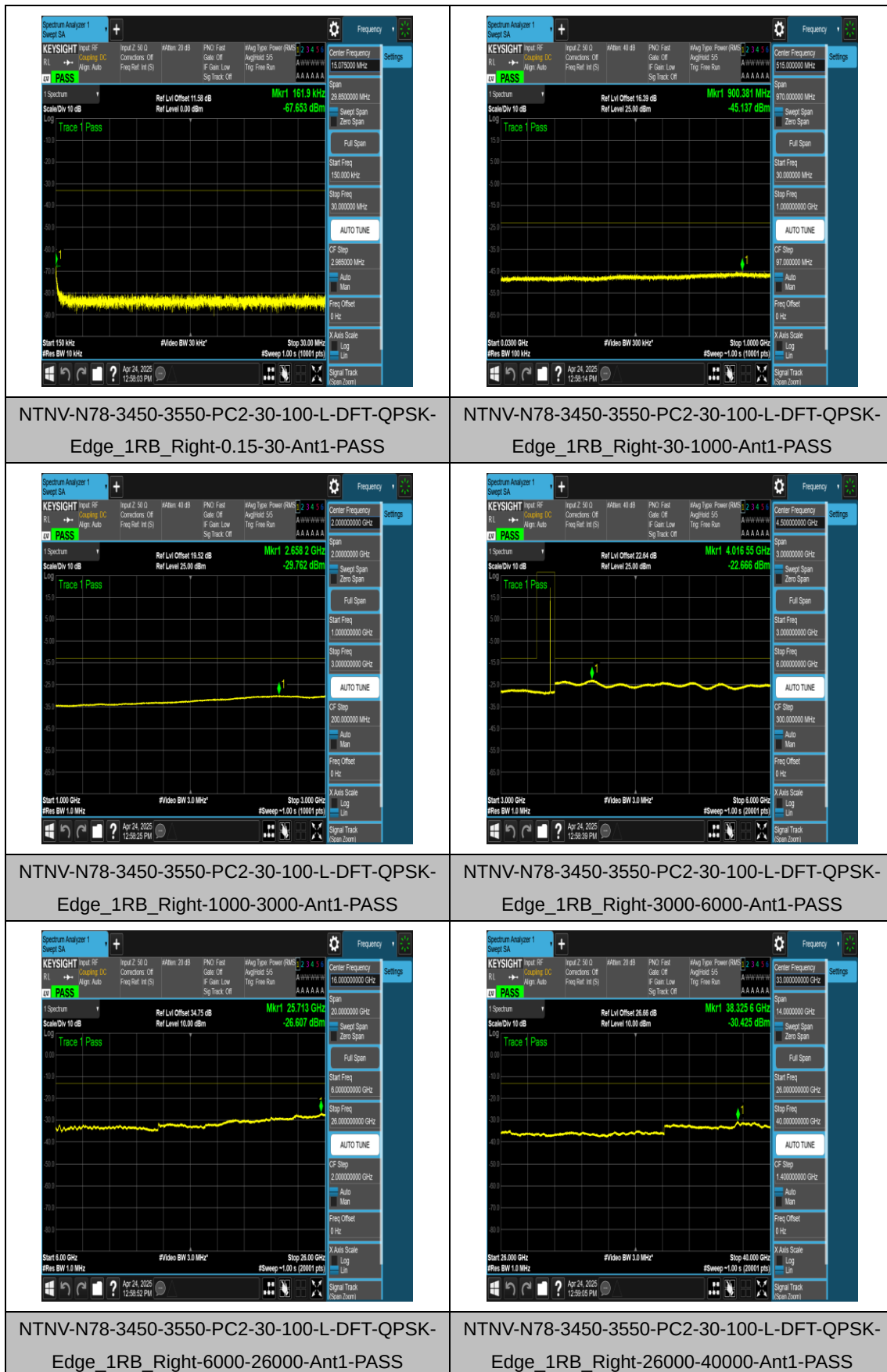


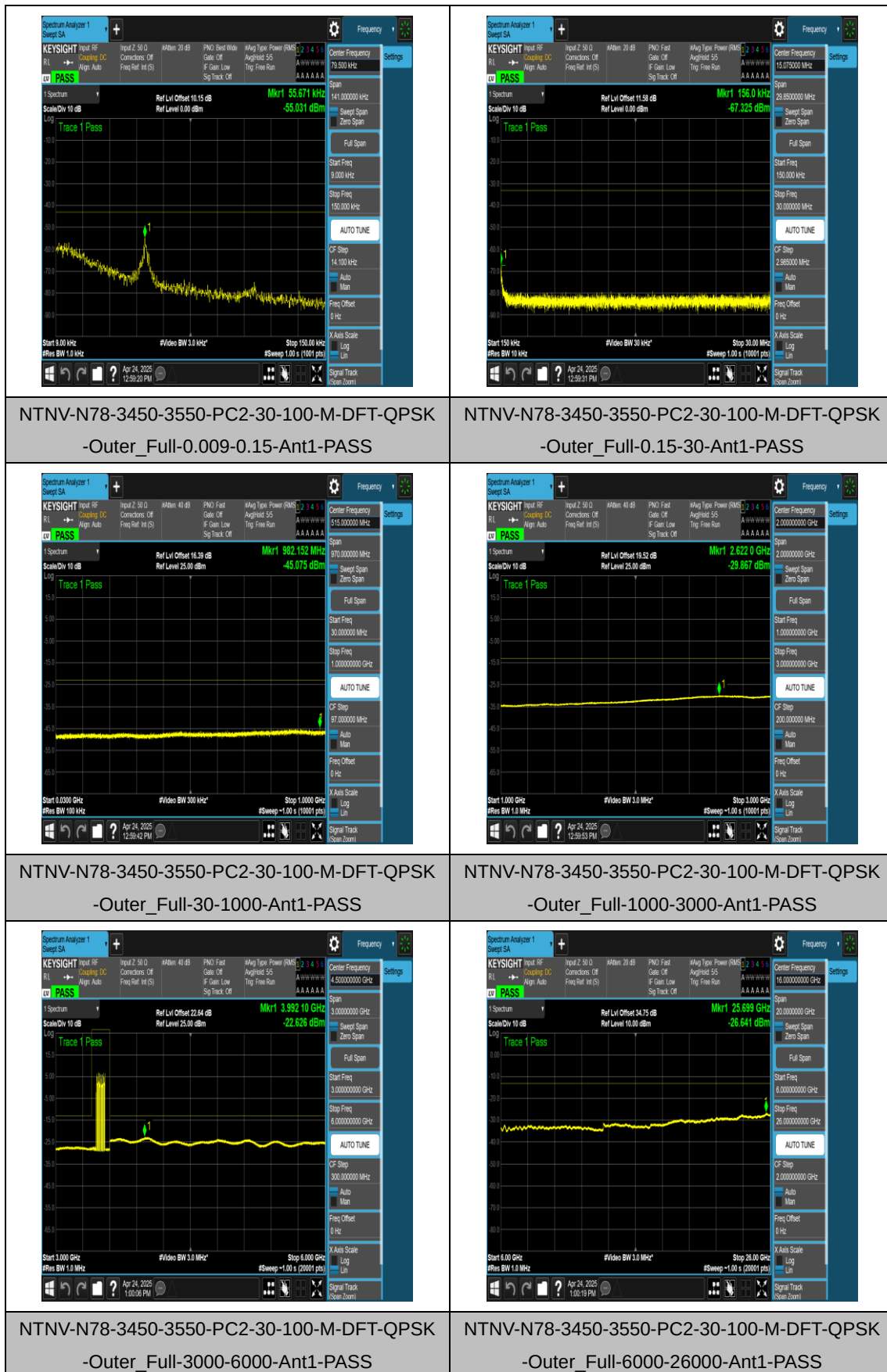


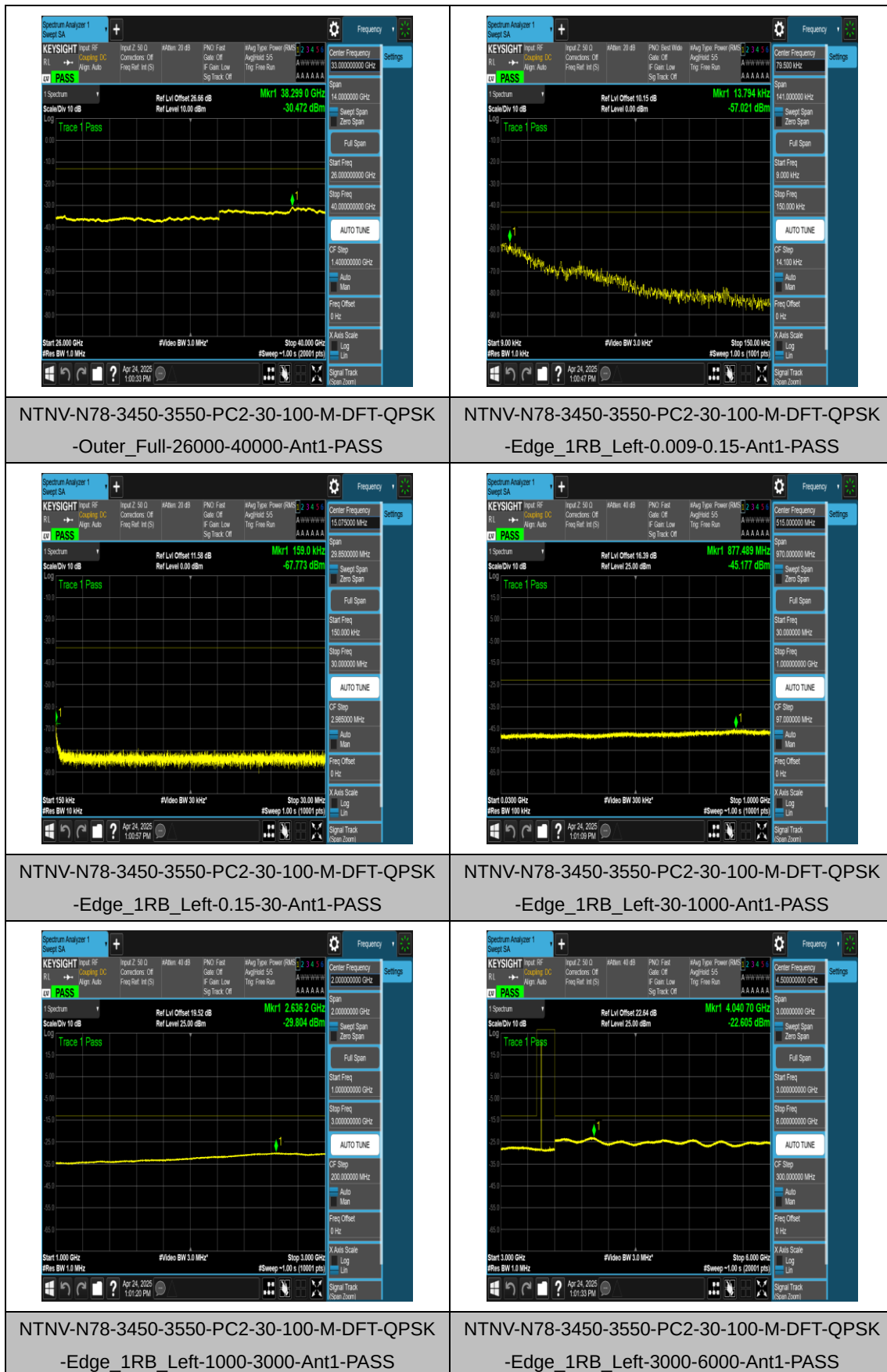


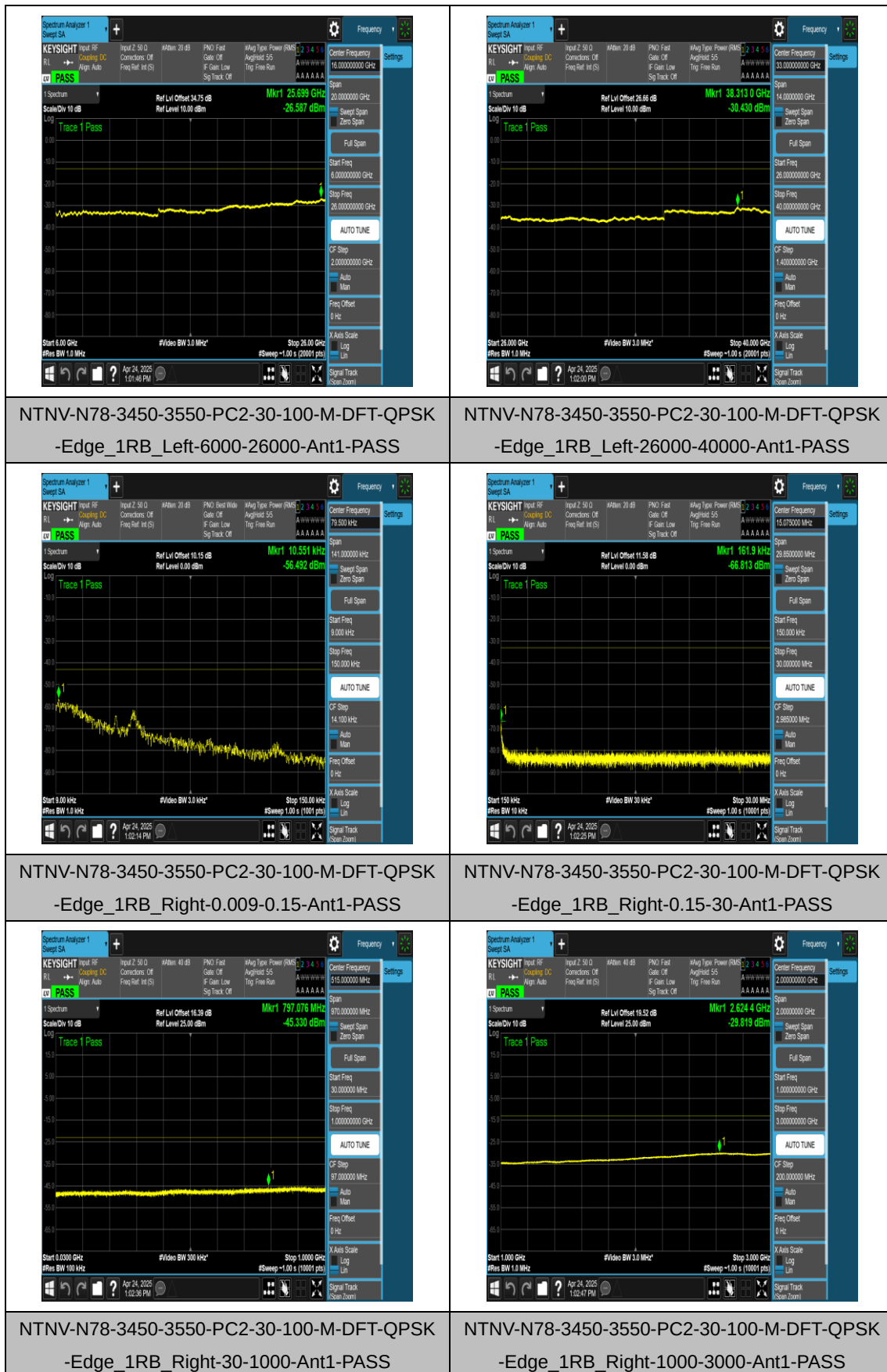


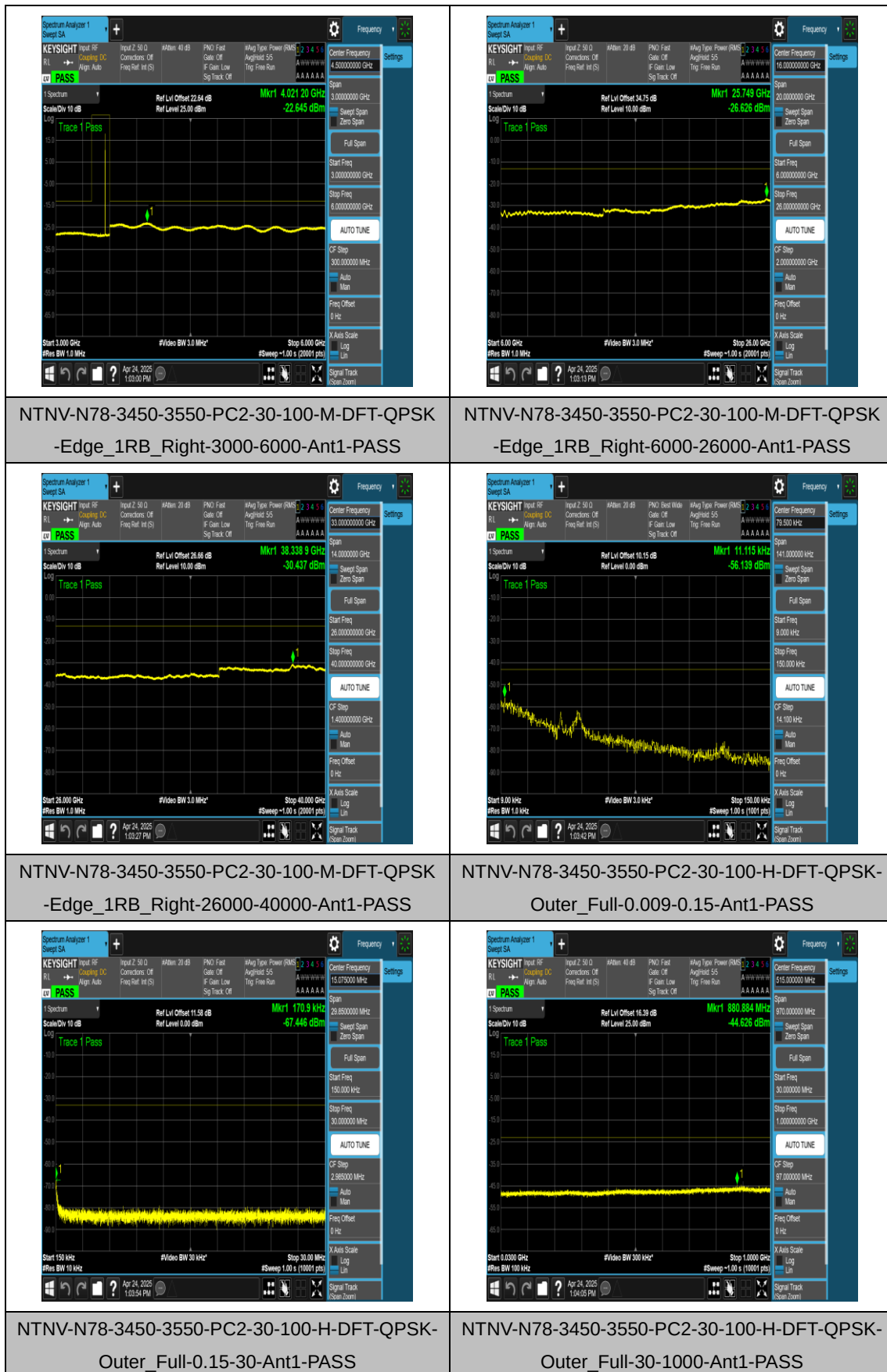


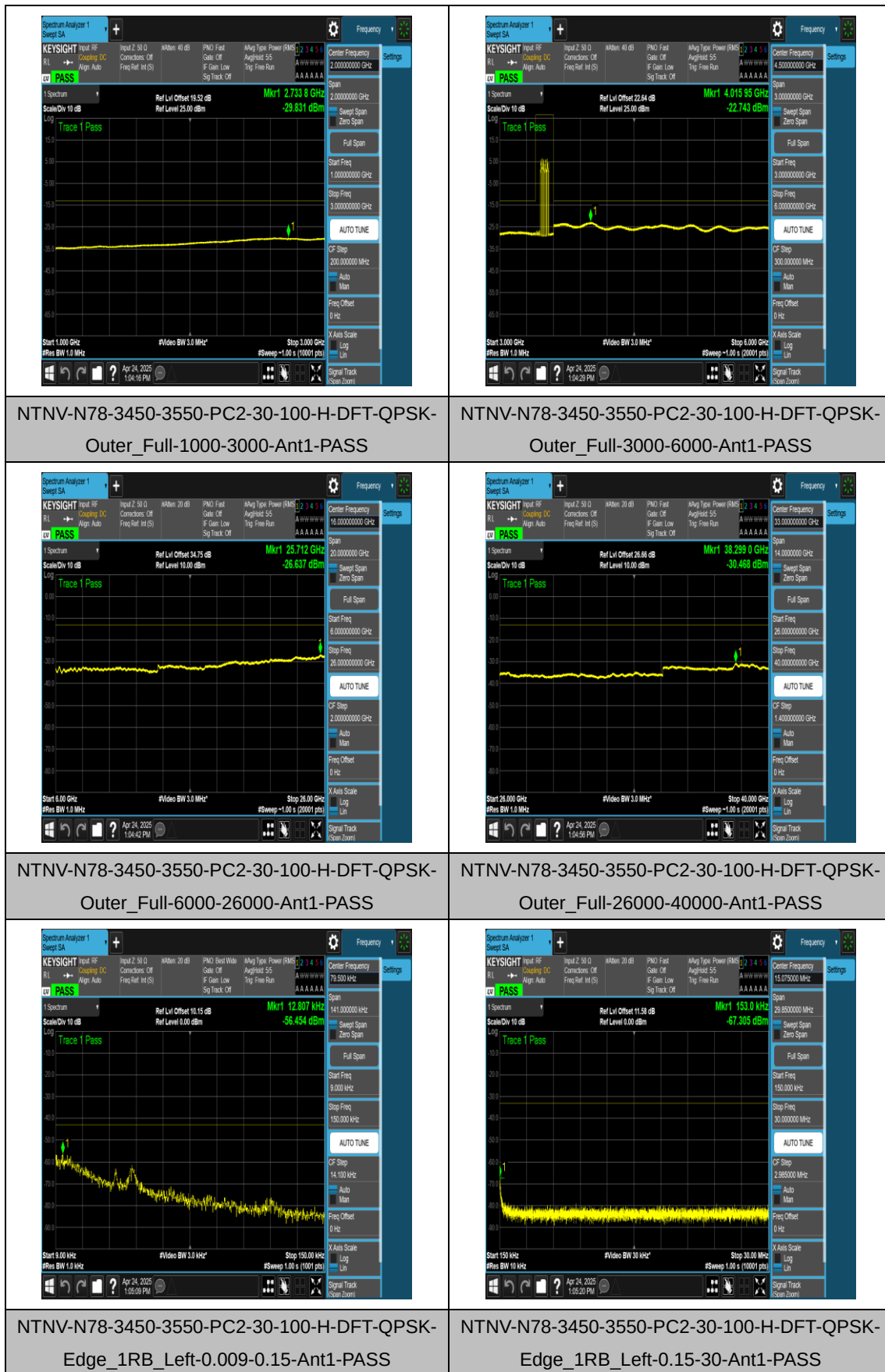


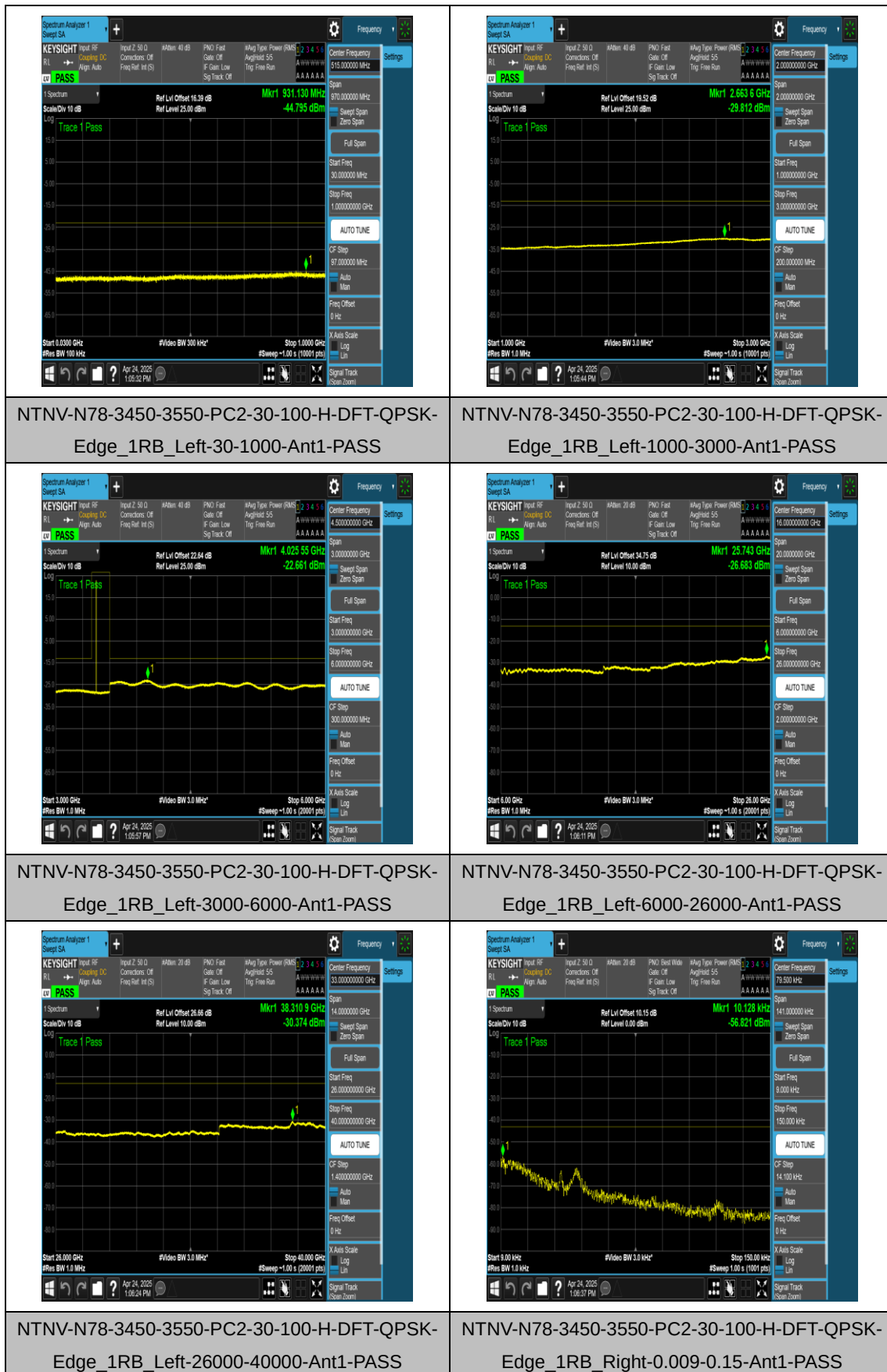


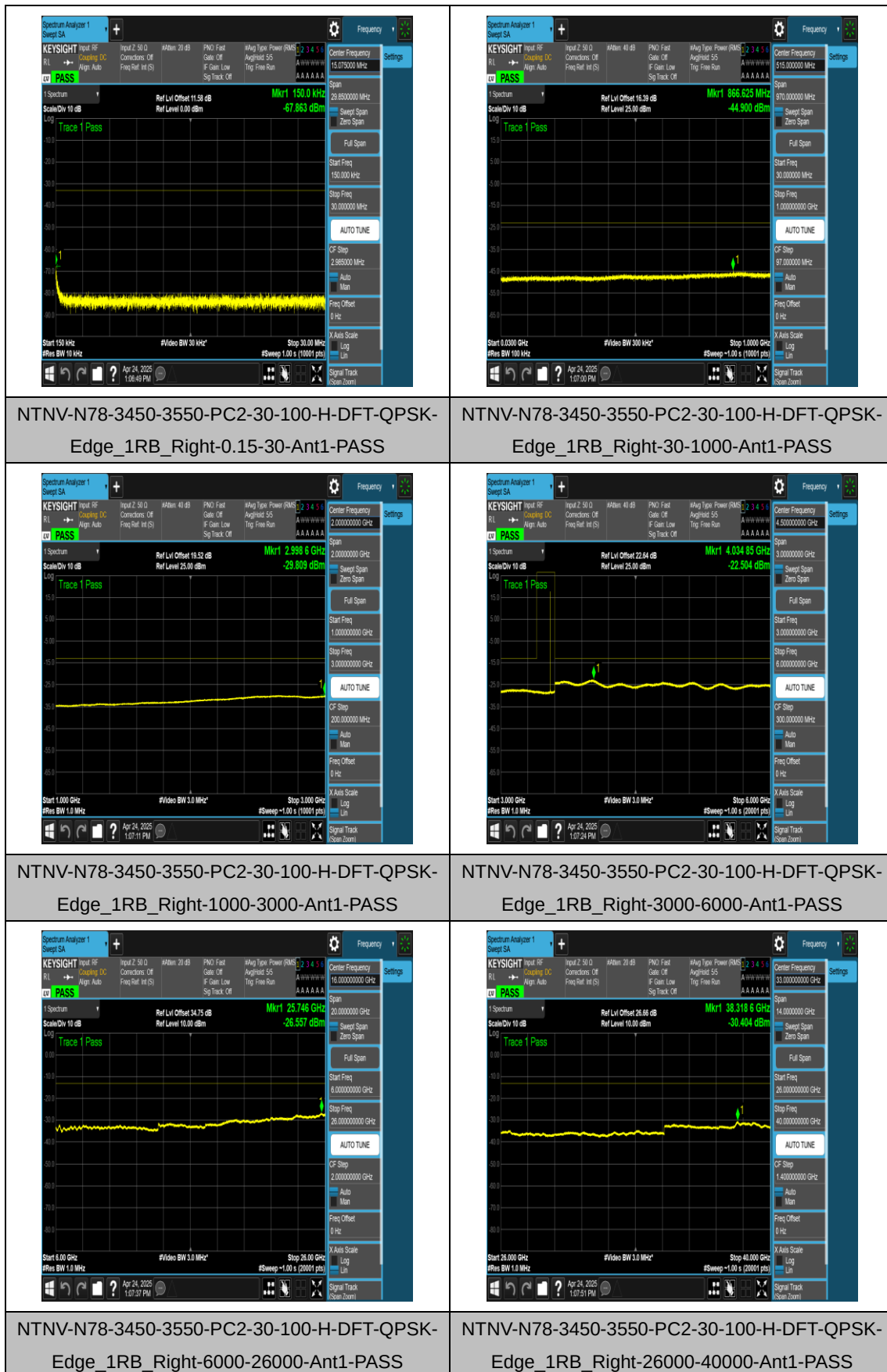












Appendix F: Frequency Stability for SA

Test Result

Frequency Error VS. Voltage

Voltage										
Band	SCS	Bandwidth	Modulation	Channel	RB Config	Voltage	Temperature	Deviation(Hz)	Deviation (ppm)	Verdict
N78-345 0-3550	30	10	DFT-QPSK	L	Outer_Full	VL	NT	-10.720000	-0.003103	PASS
N78-345 0-3550	30	10	DFT-QPSK	L	Outer_Full	VN	NT	-15.780000	-0.004567	PASS
N78-345 0-3550	30	10	DFT-QPSK	L	Outer_Full	VH	NT	-16.950000	-0.004906	PASS
N78-345 0-3550	30	10	DFT-16QAM	L	Outer_Full	VL	NT	-21.390000	-0.006191	PASS
N78-345 0-3550	30	10	DFT-16QAM	L	Outer_Full	VN	NT	-15.570000	-0.004506	PASS
N78-345 0-3550	30	10	DFT-16QAM	L	Outer_Full	VH	NT	-10.000000	-0.002894	PASS
N78-345 0-3550	30	10	DFT-QPSK	M	Outer_Full	VL	NT	-16.379999	-0.004680	PASS
N78-345 0-3550	30	10	DFT-QPSK	M	Outer_Full	VN	NT	-18.740000	-0.005354	PASS
N78-345 0-3550	30	10	DFT-QPSK	M	Outer_Full	VH	NT	-19.000000	-0.005429	PASS
N78-345 0-3550	30	10	DFT-16QAM	M	Outer_Full	VL	NT	-18.650000	-0.005329	PASS
N78-345 0-3550	30	10	DFT-16QAM	M	Outer_Full	VN	NT	-15.210000	-0.004346	PASS
N78-345 0-3550	30	10	DFT-16QAM	M	Outer_Full	VH	NT	-16.830000	-0.004809	PASS
N78-345 0-3550	30	10	DFT-QPSK	H	Outer_Full	VL	NT	-13.870000	-0.003913	PASS
N78-345 0-3550	30	10	DFT-QPSK	H	Outer_Full	VN	NT	-15.890000	-0.004482	PASS
N78-345 0-3550	30	10	DFT-QPSK	H	Outer_Full	VH	NT	-17.520000	-0.004942	PASS
N78-345 0-3550	30	10	DFT-16QAM	H	Outer_Full	VL	NT	-16.110000	-0.004544	PASS

N78-345 0-3550	30	10	DFT-16QAM	H	Outer_Full	VN	NT	-16.050000	-0.004527	PASS
N78-345 0-3550	30	10	DFT-16QAM	H	Outer_Full	VH	NT	-13.470000	-0.003800	PASS
N78-345 0-3550	30	15	DFT-QPSK	L	Outer_Full	VL	NT	-15.190000	-0.004393	PASS
N78-345 0-3550	30	15	DFT-QPSK	L	Outer_Full	VN	NT	-18.570000	-0.005371	PASS
N78-345 0-3550	30	15	DFT-QPSK	L	Outer_Full	VH	NT	-18.790000	-0.005435	PASS
N78-345 0-3550	30	15	DFT-16QAM	L	Outer_Full	VL	NT	-15.810000	-0.004573	PASS
N78-345 0-3550	30	15	DFT-16QAM	L	Outer_Full	VN	NT	-17.030000	-0.004926	PASS
N78-345 0-3550	30	15	DFT-16QAM	L	Outer_Full	VH	NT	-17.640000	-0.005102	PASS
N78-345 0-3550	30	15	DFT-QPSK	M	Outer_Full	VL	NT	-18.580000	-0.005309	PASS
N78-345 0-3550	30	15	DFT-QPSK	M	Outer_Full	VN	NT	-16.210000	-0.004631	PASS
N78-345 0-3550	30	15	DFT-QPSK	M	Outer_Full	VH	NT	-15.550000	-0.004443	PASS
N78-345 0-3550	30	15	DFT-16QAM	M	Outer_Full	VL	NT	-17.790000	-0.005083	PASS
N78-345 0-3550	30	15	DFT-16QAM	M	Outer_Full	VN	NT	-15.800000	-0.004514	PASS
N78-345 0-3550	30	15	DFT-16QAM	M	Outer_Full	VH	NT	-14.140000	-0.004040	PASS
N78-345 0-3550	30	15	DFT-QPSK	H	Outer_Full	VL	NT	-10.520000	-0.002970	PASS
N78-345 0-3550	30	15	DFT-QPSK	H	Outer_Full	VN	NT	-21.390000	-0.006038	PASS
N78-345 0-3550	30	15	DFT-QPSK	H	Outer_Full	VH	NT	-15.430000	-0.004356	PASS
N78-345 0-3550	30	15	DFT-16QAM	H	Outer_Full	VL	NT	-20.530000	-0.005795	PASS
N78-345 0-3550	30	15	DFT-16QAM	H	Outer_Full	VN	NT	-15.380000	-0.004342	PASS
N78-345 0-3550	30	15	DFT-16QAM	H	Outer_Full	VH	NT	-13.100000	-0.003698	PASS
N78-345 0-3550	30	20	DFT-QPSK	L	Outer_Full	VL	NT	-10.730000	-0.003101	PASS

N78-345 0-3550	30	20	DFT-QPSK	L	Outer_Full	VN	NT	-15.090000	-0.004361	PASS
N78-345 0-3550	30	20	DFT-QPSK	L	Outer_Full	VH	NT	-17.270000	-0.004991	PASS
N78-345 0-3550	30	20	DFT-16QAM	L	Outer_Full	VL	NT	-17.870000	-0.005165	PASS
N78-345 0-3550	30	20	DFT-16QAM	L	Outer_Full	VN	NT	-13.560000	-0.003918	PASS
N78-345 0-3550	30	20	DFT-16QAM	L	Outer_Full	VH	NT	-13.520000	-0.003908	PASS
N78-345 0-3550	30	20	DFT-QPSK	M	Outer_Full	VL	NT	-13.330000	-0.003809	PASS
N78-345 0-3550	30	20	DFT-QPSK	M	Outer_Full	VN	NT	-13.490000	-0.003854	PASS
N78-345 0-3550	30	20	DFT-QPSK	M	Outer_Full	VH	NT	-17.520000	-0.005006	PASS
N78-345 0-3550	30	20	DFT-16QAM	M	Outer_Full	VL	NT	-15.980000	-0.004566	PASS
N78-345 0-3550	30	20	DFT-16QAM	M	Outer_Full	VN	NT	-15.370000	-0.004391	PASS
N78-345 0-3550	30	20	DFT-16QAM	M	Outer_Full	VH	NT	-13.830000	-0.003950	PASS
N78-345 0-3550	30	20	DFT-QPSK	H	Outer_Full	VL	NT	-18.350000	-0.005184	PASS
N78-345 0-3550	30	20	DFT-QPSK	H	Outer_Full	VN	NT	-11.740000	-0.003316	PASS
N78-345 0-3550	30	20	DFT-QPSK	H	Outer_Full	VH	NT	-15.960000	-0.004508	PASS
N78-345 0-3550	30	20	DFT-16QAM	H	Outer_Full	VL	NT	-22.030000	-0.006223	PASS
N78-345 0-3550	30	20	DFT-16QAM	H	Outer_Full	VN	NT	-15.350000	-0.004336	PASS
N78-345 0-3550	30	20	DFT-16QAM	H	Outer_Full	VH	NT	-14.580000	-0.004119	PASS
N78-345 0-3550	30	40	DFT-QPSK	L	Outer_Full	VL	NT	-17.440000	-0.005026	PASS
N78-345 0-3550	30	40	DFT-QPSK	L	Outer_Full	VN	NT	-13.070000	-0.003767	PASS
N78-345 0-3550	30	40	DFT-QPSK	L	Outer_Full	VH	NT	-16.340000	-0.004709	PASS
N78-345 0-3550	30	40	DFT-16QAM	L	Outer_Full	VL	NT	-17.980000	-0.005182	PASS

N78-345 0-3550	30	40	DFT-16QAM	L	Outer_Full	VN	NT	-15.640000	-0.004507	PASS
N78-345 0-3550	30	40	DFT-16QAM	L	Outer_Full	VH	NT	-22.670000	-0.006533	PASS
N78-345 0-3550	30	40	DFT-QPSK	M	Outer_Full	VL	NT	-16.090000	-0.004597	PASS
N78-345 0-3550	30	40	DFT-QPSK	M	Outer_Full	VN	NT	-20.150000	-0.005757	PASS
N78-345 0-3550	30	40	DFT-QPSK	M	Outer_Full	VH	NT	-18.050000	-0.005157	PASS
N78-345 0-3550	30	40	DFT-16QAM	M	Outer_Full	VL	NT	-14.890000	-0.004254	PASS
N78-345 0-3550	30	40	DFT-16QAM	M	Outer_Full	VN	NT	-11.430000	-0.003266	PASS
N78-345 0-3550	30	40	DFT-16QAM	M	Outer_Full	VH	NT	-15.660000	-0.004474	PASS
N78-345 0-3550	30	40	DFT-QPSK	H	Outer_Full	VL	NT	-14.430000	-0.004087	PASS
N78-345 0-3550	30	40	DFT-QPSK	H	Outer_Full	VN	NT	-18.190000	-0.005153	PASS
N78-345 0-3550	30	40	DFT-QPSK	H	Outer_Full	VH	NT	-18.040000	-0.005110	PASS
N78-345 0-3550	30	40	DFT-16QAM	H	Outer_Full	VL	NT	-15.220000	-0.004312	PASS
N78-345 0-3550	30	40	DFT-16QAM	H	Outer_Full	VN	NT	-15.240000	-0.004317	PASS
N78-345 0-3550	30	40	DFT-16QAM	H	Outer_Full	VH	NT	-17.570000	-0.004977	PASS
N78-345 0-3550	30	50	DFT-QPSK	L	Outer_Full	VL	NT	-14.960000	-0.004305	PASS
N78-345 0-3550	30	50	DFT-QPSK	L	Outer_Full	VN	NT	-19.150000	-0.005511	PASS
N78-345 0-3550	30	50	DFT-QPSK	L	Outer_Full	VH	NT	-17.830000	-0.005131	PASS
N78-345 0-3550	30	50	DFT-16QAM	L	Outer_Full	VL	NT	-16.500000	-0.004748	PASS
N78-345 0-3550	30	50	DFT-16QAM	L	Outer_Full	VN	NT	-12.020000	-0.003459	PASS
N78-345 0-3550	30	50	DFT-16QAM	L	Outer_Full	VH	NT	-11.970000	-0.003445	PASS
N78-345 0-3550	30	50	DFT-QPSK	M	Outer_Full	VL	NT	-17.340000	-0.004954	PASS

N78-345 0-3550	30	50	DFT-QPSK	M	Outer_Full	VN	NT	-15.450000	-0.004414	PASS
N78-345 0-3550	30	50	DFT-QPSK	M	Outer_Full	VH	NT	-14.570000	-0.004163	PASS
N78-345 0-3550	30	50	DFT-16QAM	M	Outer_Full	VL	NT	-16.170000	-0.004620	PASS
N78-345 0-3550	30	50	DFT-16QAM	M	Outer_Full	VN	NT	-16.020000	-0.004577	PASS
N78-345 0-3550	30	50	DFT-16QAM	M	Outer_Full	VH	NT	-14.010000	-0.004002	PASS
N78-345 0-3550	30	50	DFT-QPSK	H	Outer_Full	VL	NT	-14.890000	-0.004224	PASS
N78-345 0-3550	30	50	DFT-QPSK	H	Outer_Full	VN	NT	-17.700000	-0.005021	PASS
N78-345 0-3550	30	50	DFT-QPSK	H	Outer_Full	VH	NT	-10.070000	-0.002857	PASS
N78-345 0-3550	30	50	DFT-16QAM	H	Outer_Full	VL	NT	-18.160000	-0.005152	PASS
N78-345 0-3550	30	50	DFT-16QAM	H	Outer_Full	VN	NT	-13.760000	-0.003904	PASS
N78-345 0-3550	30	50	DFT-16QAM	H	Outer_Full	VH	NT	-17.230000	-0.004888	PASS
N78-345 0-3550	30	60	DFT-QPSK	L	Outer_Full	VL	NT	-14.670000	-0.004216	PASS
N78-345 0-3550	30	60	DFT-QPSK	L	Outer_Full	VN	NT	-13.360000	-0.003839	PASS
N78-345 0-3550	30	60	DFT-QPSK	L	Outer_Full	VH	NT	-18.490000	-0.005313	PASS
N78-345 0-3550	30	60	DFT-16QAM	L	Outer_Full	VL	NT	-17.620000	-0.005063	PASS
N78-345 0-3550	30	60	DFT-16QAM	L	Outer_Full	VN	NT	-15.240000	-0.004379	PASS
N78-345 0-3550	30	60	DFT-16QAM	L	Outer_Full	VH	NT	-15.910000	-0.004572	PASS
N78-345 0-3550	30	60	DFT-QPSK	M	Outer_Full	VL	NT	-15.840000	-0.004526	PASS
N78-345 0-3550	30	60	DFT-QPSK	M	Outer_Full	VN	NT	-15.800000	-0.004514	PASS
N78-345 0-3550	30	60	DFT-QPSK	M	Outer_Full	VH	NT	-15.750000	-0.004500	PASS
N78-345 0-3550	30	60	DFT-16QAM	M	Outer_Full	VL	NT	-17.720000	-0.005063	PASS

N78-345 0-3550	30	60	DFT-16QAM	M	Outer_Full	VN	NT	-14.810000	-0.004231	PASS
N78-345 0-3550	30	60	DFT-16QAM	M	Outer_Full	VH	NT	-16.090000	-0.004597	PASS
N78-345 0-3550	30	60	DFT-QPSK	H	Outer_Full	VL	NT	-14.920000	-0.004239	PASS
N78-345 0-3550	30	60	DFT-QPSK	H	Outer_Full	VN	NT	-15.520000	-0.004409	PASS
N78-345 0-3550	30	60	DFT-QPSK	H	Outer_Full	VH	NT	-16.730000	-0.004753	PASS
N78-345 0-3550	30	60	DFT-16QAM	H	Outer_Full	VL	NT	-20.090000	-0.005707	PASS
N78-345 0-3550	30	60	DFT-16QAM	H	Outer_Full	VN	NT	-18.750000	-0.005327	PASS
N78-345 0-3550	30	60	DFT-16QAM	H	Outer_Full	VH	NT	-15.410000	-0.004378	PASS
N78-345 0-3550	30	70	DFT-QPSK	L	Outer_Full	VL	NT	-16.379999	-0.004700	PASS
N78-345 0-3550	30	70	DFT-QPSK	L	Outer_Full	VN	NT	-19.050000	-0.005466	PASS
N78-345 0-3550	30	70	DFT-QPSK	L	Outer_Full	VH	NT	-13.040000	-0.003742	PASS
N78-345 0-3550	30	70	DFT-16QAM	L	Outer_Full	VL	NT	-15.520000	-0.004453	PASS
N78-345 0-3550	30	70	DFT-16QAM	L	Outer_Full	VN	NT	-15.700000	-0.004505	PASS
N78-345 0-3550	30	70	DFT-16QAM	L	Outer_Full	VH	NT	-12.230000	-0.003509	PASS
N78-345 0-3550	30	70	DFT-QPSK	M	Outer_Full	VL	NT	-16.830000	-0.004809	PASS
N78-345 0-3550	30	70	DFT-QPSK	M	Outer_Full	VN	NT	-16.739999	-0.004783	PASS
N78-345 0-3550	30	70	DFT-QPSK	M	Outer_Full	VH	NT	-14.530000	-0.004151	PASS
N78-345 0-3550	30	70	DFT-16QAM	M	Outer_Full	VL	NT	-16.750000	-0.004786	PASS
N78-345 0-3550	30	70	DFT-16QAM	M	Outer_Full	VN	NT	-17.400000	-0.004971	PASS
N78-345 0-3550	30	70	DFT-16QAM	M	Outer_Full	VH	NT	-14.020000	-0.004006	PASS
N78-345 0-3550	30	70	DFT-QPSK	H	Outer_Full	VL	NT	-15.240000	-0.004336	PASS

N78-345 0-3550	30	70	DFT-QPSK	H	Outer_Full	VN	NT	-17.450000	-0.004964	PASS
N78-345 0-3550	30	70	DFT-QPSK	H	Outer_Full	VH	NT	-9.880000	-0.002811	PASS
N78-345 0-3550	30	70	DFT-16QAM	H	Outer_Full	VL	NT	-12.590000	-0.003582	PASS
N78-345 0-3550	30	70	DFT-16QAM	H	Outer_Full	VN	NT	-12.310000	-0.003502	PASS
N78-345 0-3550	30	70	DFT-16QAM	H	Outer_Full	VH	NT	-18.260000	-0.005195	PASS
N78-345 0-3550	30	80	DFT-QPSK	L	Outer_Full	VL	NT	-12.570000	-0.003602	PASS
N78-345 0-3550	30	80	DFT-QPSK	L	Outer_Full	VN	NT	-16.920000	-0.004848	PASS
N78-345 0-3550	30	80	DFT-QPSK	L	Outer_Full	VH	NT	-18.740000	-0.005370	PASS
N78-345 0-3550	30	80	DFT-16QAM	L	Outer_Full	VL	NT	-17.840000	-0.005112	PASS
N78-345 0-3550	30	80	DFT-16QAM	L	Outer_Full	VN	NT	-11.530000	-0.003304	PASS
N78-345 0-3550	30	80	DFT-16QAM	L	Outer_Full	VH	NT	-16.030000	-0.004593	PASS
N78-345 0-3550	30	80	DFT-QPSK	M	Outer_Full	VL	NT	-16.690000	-0.004769	PASS
N78-345 0-3550	30	80	DFT-QPSK	M	Outer_Full	VN	NT	-15.950000	-0.004557	PASS
N78-345 0-3550	30	80	DFT-QPSK	M	Outer_Full	VH	NT	-14.180000	-0.004051	PASS
N78-345 0-3550	30	80	DFT-16QAM	M	Outer_Full	VL	NT	-11.020000	-0.003149	PASS
N78-345 0-3550	30	80	DFT-16QAM	M	Outer_Full	VN	NT	-14.660000	-0.004189	PASS
N78-345 0-3550	30	80	DFT-16QAM	M	Outer_Full	VH	NT	-13.750000	-0.003929	PASS
N78-345 0-3550	30	80	DFT-QPSK	H	Outer_Full	VL	NT	-17.130000	-0.004880	PASS
N78-345 0-3550	30	80	DFT-QPSK	H	Outer_Full	VN	NT	-21.920000	-0.006245	PASS
N78-345 0-3550	30	80	DFT-QPSK	H	Outer_Full	VH	NT	-16.390000	-0.004670	PASS
N78-345 0-3550	30	80	DFT-16QAM	H	Outer_Full	VL	NT	-13.170000	-0.003752	PASS

N78-345 0-3550	30	80	DFT-16QAM	H	Outer_Full	VN	NT	-15.850000	-0.004516	PASS
N78-345 0-3550	30	80	DFT-16QAM	H	Outer_Full	VH	NT	-14.760000	-0.004205	PASS
N78-345 0-3550	30	90	DFT-QPSK	L	Outer_Full	VL	NT	-14.450000	-0.004134	PASS
N78-345 0-3550	30	90	DFT-QPSK	L	Outer_Full	VN	NT	-13.040000	-0.003731	PASS
N78-345 0-3550	30	90	DFT-QPSK	L	Outer_Full	VH	NT	-14.510000	-0.004152	PASS
N78-345 0-3550	30	90	DFT-16QAM	L	Outer_Full	VL	NT	-13.600000	-0.003891	PASS
N78-345 0-3550	30	90	DFT-16QAM	L	Outer_Full	VN	NT	-13.890000	-0.003974	PASS
N78-345 0-3550	30	90	DFT-16QAM	L	Outer_Full	VH	NT	-14.230000	-0.004072	PASS
N78-345 0-3550	30	90	DFT-QPSK	M	Outer_Full	VL	NT	-14.490000	-0.004140	PASS
N78-345 0-3550	30	90	DFT-QPSK	M	Outer_Full	VN	NT	-16.440000	-0.004697	PASS
N78-345 0-3550	30	90	DFT-QPSK	M	Outer_Full	VH	NT	-15.890000	-0.004540	PASS
N78-345 0-3550	30	90	DFT-16QAM	M	Outer_Full	VL	NT	-18.870000	-0.005391	PASS
N78-345 0-3550	30	90	DFT-16QAM	M	Outer_Full	VN	NT	-17.240000	-0.004926	PASS
N78-345 0-3550	30	90	DFT-16QAM	M	Outer_Full	VH	NT	-11.810000	-0.003374	PASS
N78-345 0-3550	30	90	DFT-QPSK	H	Outer_Full	VL	NT	-15.480000	-0.004417	PASS
N78-345 0-3550	30	90	DFT-QPSK	H	Outer_Full	VN	NT	-18.170000	-0.005184	PASS
N78-345 0-3550	30	90	DFT-QPSK	H	Outer_Full	VH	NT	-18.440000	-0.005261	PASS
N78-345 0-3550	30	90	DFT-16QAM	H	Outer_Full	VL	NT	-15.360000	-0.004382	PASS
N78-345 0-3550	30	90	DFT-16QAM	H	Outer_Full	VN	NT	-14.930000	-0.004260	PASS
N78-345 0-3550	30	90	DFT-16QAM	H	Outer_Full	VH	NT	-17.890000	-0.005104	PASS
N78-345 0-3550	30	100	DFT-QPSK	L	Outer_Full	VL	NT	-17.240000	-0.004926	PASS