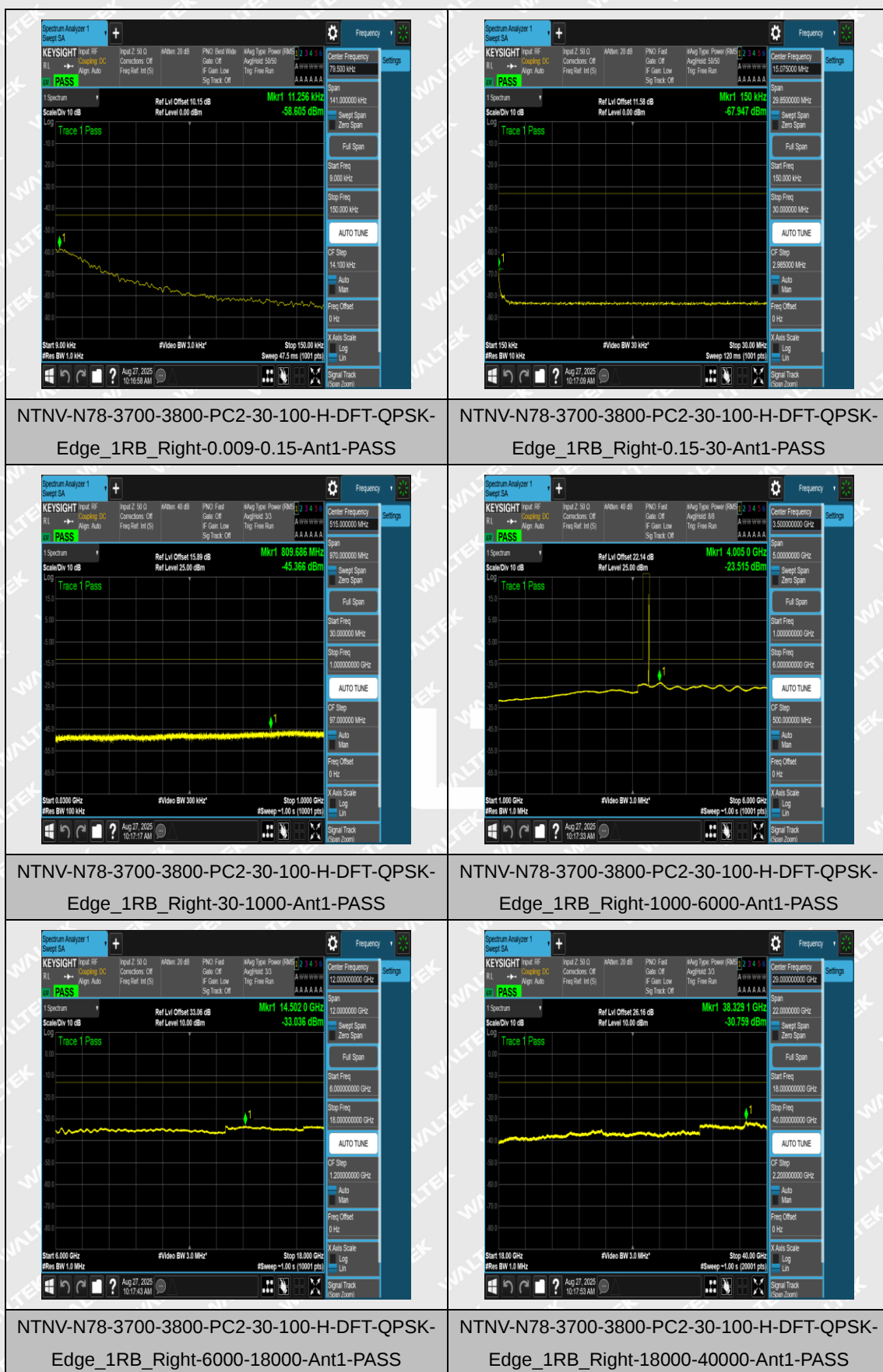






WALTEK



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
N78-370 0-3800	30	10	DFT-QPSK	L	Outer_Full	VL	NT	-2.250000	-0.000607	PASS
N78-370 0-3800	30	10	DFT-QPSK	L	Outer_Full	VN	NT	-13.060000	-0.003525	PASS
N78-370 0-3800	30	10	DFT-QPSK	L	Outer_Full	VH	NT	-5.450000	-0.001471	PASS
N78-370 0-3800	30	10	DFT-16QAM	L	Outer_Full	VL	NT	-1.730000	-0.000467	PASS
N78-370 0-3800	30	10	DFT-16QAM	L	Outer_Full	VN	NT	-6.100000	-0.001646	PASS
N78-370 0-3800	30	10	DFT-16QAM	L	Outer_Full	VH	NT	-10.610000	-0.002864	PASS
N78-370 0-3800	30	10	DFT-QPSK	M	Outer_Full	VL	NT	-11.130000	-0.002968	PASS
N78-370 0-3800	30	10	DFT-QPSK	M	Outer_Full	VN	NT	-12.410000	-0.003309	PASS
N78-370 0-3800	30	10	DFT-QPSK	M	Outer_Full	VH	NT	-15.490000	-0.004131	PASS
N78-370 0-3800	30	10	DFT-16QAM	M	Outer_Full	VL	NT	-16.350000	-0.004360	PASS
N78-370 0-3800	30	10	DFT-16QAM	M	Outer_Full	VN	NT	-14.240000	-0.003797	PASS
N78-370 0-3800	30	10	DFT-16QAM	M	Outer_Full	VH	NT	-11.620000	-0.003099	PASS
N78-370 0-3800	30	10	DFT-QPSK	H	Outer_Full	VL	NT	-20.530000	-0.005410	PASS
N78-370 0-3800	30	10	DFT-QPSK	H	Outer_Full	VN	NT	-15.380000	-0.004053	PASS
N78-370 0-3800	30	10	DFT-QPSK	H	Outer_Full	VH	NT	-16.469999	-0.004340	PASS
N78-370 0-3800	30	10	DFT-16QAM	H	Outer_Full	VL	NT	-17.640000	-0.004648	PASS
N78-370	30	10	DFT-16QAM	H	Outer_Full	VN	NT	-11.710000	-0.003086	PASS



0-3800										
N78-370 0-3800	30	10	DFT-16QAM	H	Outer_Full	VH	NT	-17.160000	-0.004522	PASS
N78-370 0-3800	30	15	DFT-QPSK	L	Outer_Full	VL	NT	-11.100000	-0.002994	PASS
N78-370 0-3800	30	15	DFT-QPSK	L	Outer_Full	VN	NT	-13.100000	-0.003533	PASS
N78-370 0-3800	30	15	DFT-QPSK	L	Outer_Full	VH	NT	-8.790000	-0.002371	PASS
N78-370 0-3800	30	15	DFT-16QAM	L	Outer_Full	VL	NT	-13.270000	-0.003579	PASS
N78-370 0-3800	30	15	DFT-16QAM	L	Outer_Full	VN	NT	-14.520000	-0.003916	PASS
N78-370 0-3800	30	15	DFT-16QAM	L	Outer_Full	VH	NT	-12.800000	-0.003452	PASS
N78-370 0-3800	30	15	DFT-QPSK	M	Outer_Full	VL	NT	-13.910000	-0.003709	PASS
N78-370 0-3800	30	15	DFT-QPSK	M	Outer_Full	VN	NT	-12.980000	-0.003461	PASS
N78-370 0-3800	30	15	DFT-QPSK	M	Outer_Full	VH	NT	-9.120000	-0.002432	PASS
N78-370 0-3800	30	15	DFT-16QAM	M	Outer_Full	VL	NT	-14.390000	-0.003837	PASS
N78-370 0-3800	30	15	DFT-16QAM	M	Outer_Full	VN	NT	-16.440000	-0.004384	PASS
N78-370 0-3800	30	15	DFT-16QAM	M	Outer_Full	VH	NT	-20.140000	-0.005371	PASS
N78-370 0-3800	30	15	DFT-QPSK	H	Outer_Full	VL	NT	-18.170000	-0.004791	PASS
N78-370 0-3800	30	15	DFT-QPSK	H	Outer_Full	VN	NT	-15.300000	-0.004034	PASS
N78-370 0-3800	30	15	DFT-QPSK	H	Outer_Full	VH	NT	-14.150000	-0.003731	PASS
N78-370 0-3800	30	15	DFT-16QAM	H	Outer_Full	VL	NT	-15.120000	-0.003987	PASS
N78-370 0-3800	30	15	DFT-16QAM	H	Outer_Full	VN	NT	-17.620000	-0.004646	PASS
N78-370 0-3800	30	15	DFT-16QAM	H	Outer_Full	VH	NT	-17.030000	-0.004490	PASS
N78-370 0-3800	30	20	DFT-QPSK	L	Outer_Full	VL	NT	-14.260000	-0.003844	PASS
N78-370	30	20	DFT-QPSK	L	Outer_Full	VN	NT	-13.640000	-0.003677	PASS



0-3800										
N78-370 0-3800	30	20	DFT-QPSK	L	Outer_Full	VH	NT	-8.100000	-0.002183	PASS
N78-370 0-3800	30	20	DFT-16QAM	L	Outer_Full	VL	NT	-11.540000	-0.003111	PASS
N78-370 0-3800	30	20	DFT-16QAM	L	Outer_Full	VN	NT	-16.100000	-0.004340	PASS
N78-370 0-3800	30	20	DFT-16QAM	L	Outer_Full	VH	NT	-16.690000	-0.004499	PASS
N78-370 0-3800	30	20	DFT-QPSK	M	Outer_Full	VL	NT	-11.500000	-0.003067	PASS
N78-370 0-3800	30	20	DFT-QPSK	M	Outer_Full	VN	NT	-9.700000	-0.002587	PASS
N78-370 0-3800	30	20	DFT-QPSK	M	Outer_Full	VH	NT	-11.690000	-0.003117	PASS
N78-370 0-3800	30	20	DFT-16QAM	M	Outer_Full	VL	NT	-16.160000	-0.004309	PASS
N78-370 0-3800	30	20	DFT-16QAM	M	Outer_Full	VN	NT	-3.270000	-0.000872	PASS
N78-370 0-3800	30	20	DFT-16QAM	M	Outer_Full	VH	NT	-10.540000	-0.002811	PASS
N78-370 0-3800	30	20	DFT-QPSK	H	Outer_Full	VL	NT	-17.160000	-0.004528	PASS
N78-370 0-3800	30	20	DFT-QPSK	H	Outer_Full	VN	NT	-18.310000	-0.004831	PASS
N78-370 0-3800	30	20	DFT-QPSK	H	Outer_Full	VH	NT	-14.660000	-0.003868	PASS
N78-370 0-3800	30	20	DFT-16QAM	H	Outer_Full	VL	NT	-15.300000	-0.004037	PASS
N78-370 0-3800	30	20	DFT-16QAM	H	Outer_Full	VN	NT	-16.739999	-0.004417	PASS
N78-370 0-3800	30	20	DFT-16QAM	H	Outer_Full	VH	NT	-14.450000	-0.003813	PASS
N78-370 0-3800	30	40	DFT-QPSK	L	Outer_Full	VL	NT	-14.850000	-0.003992	PASS
N78-370 0-3800	30	40	DFT-QPSK	L	Outer_Full	VN	NT	-14.600000	-0.003924	PASS
N78-370 0-3800	30	40	DFT-QPSK	L	Outer_Full	VH	NT	-12.700000	-0.003414	PASS
N78-370 0-3800	30	40	DFT-16QAM	L	Outer_Full	VL	NT	-16.320000	-0.004387	PASS
N78-370	30	40	DFT-16QAM	L	Outer_Full	VN	NT	-11.440000	-0.003075	PASS