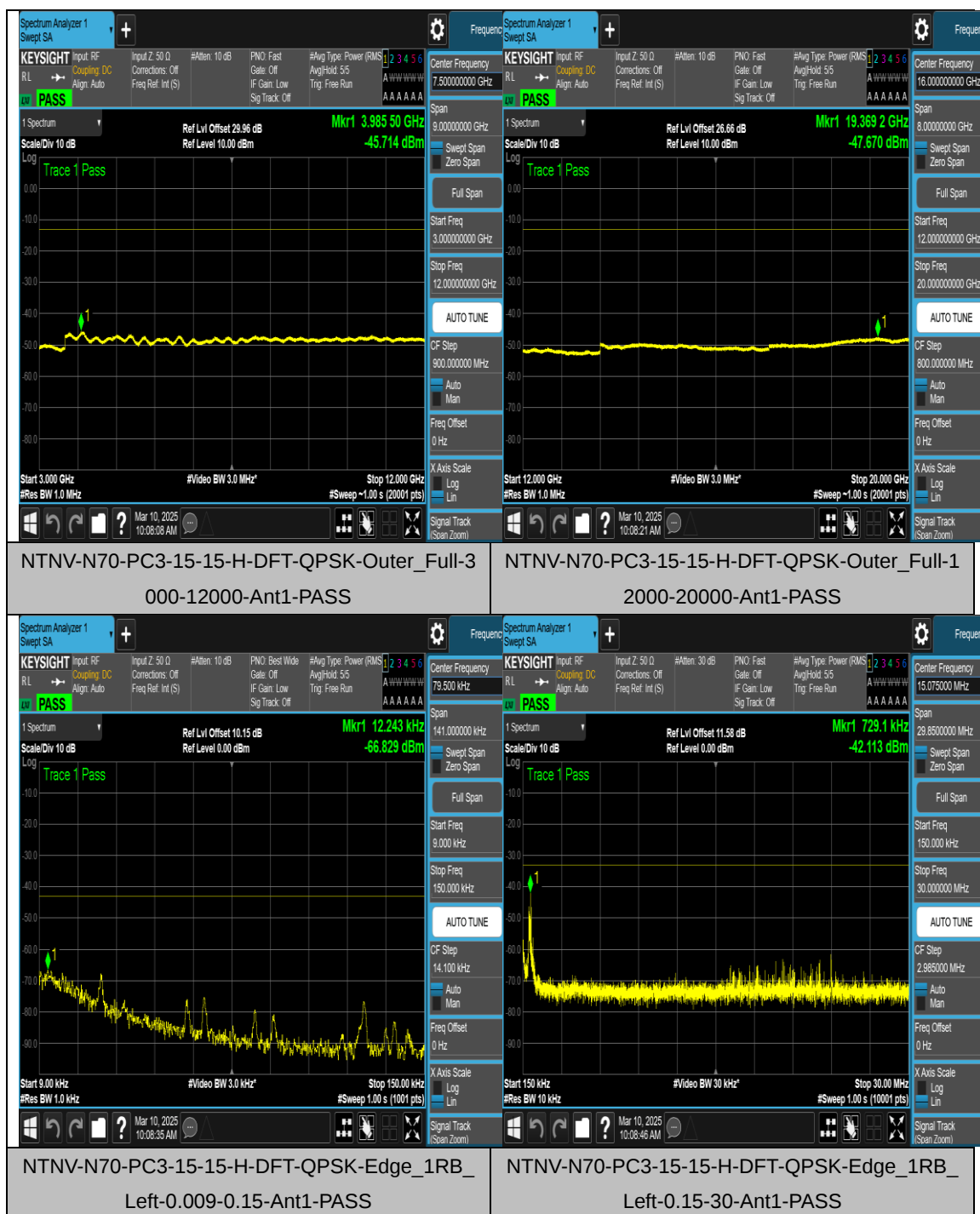
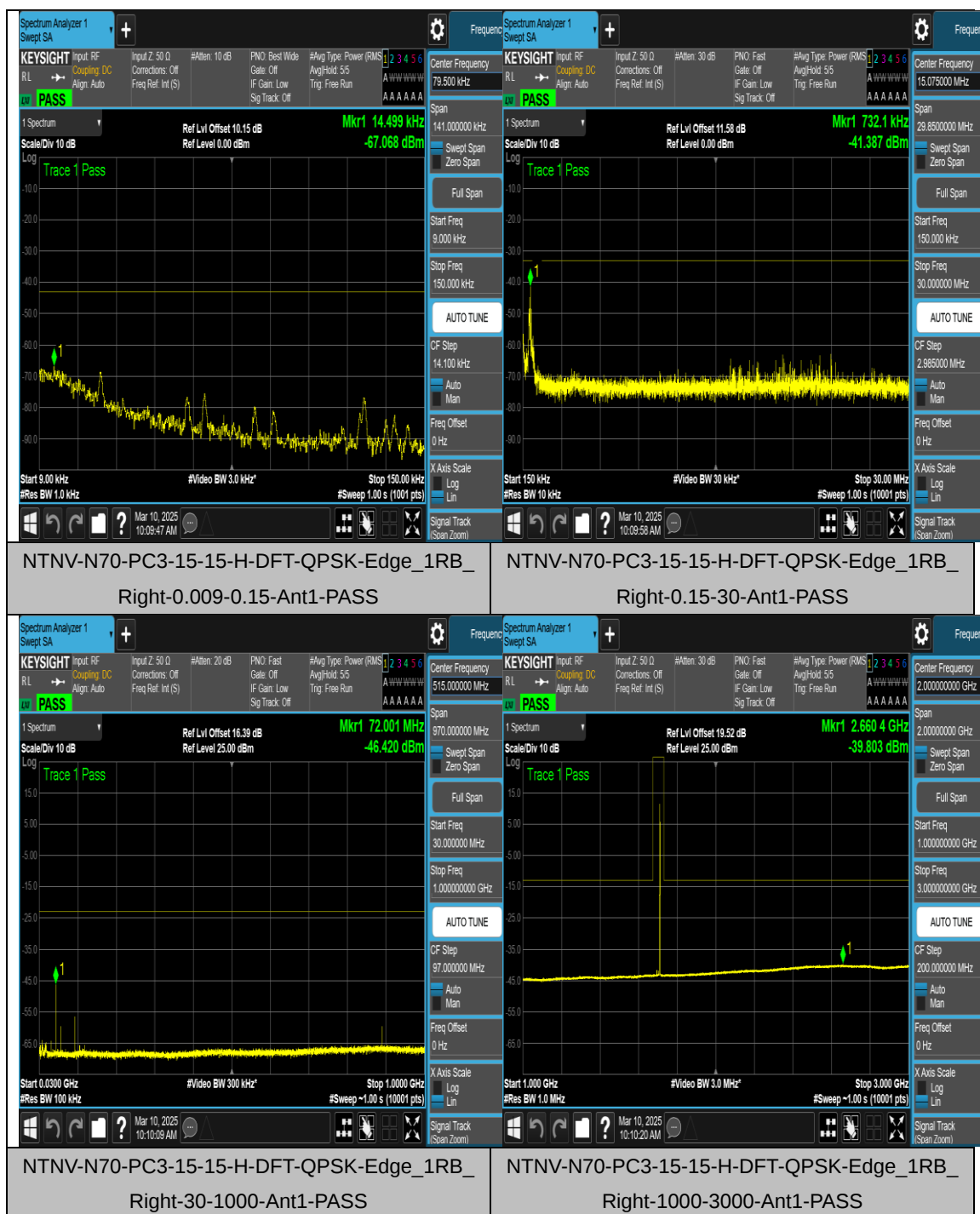










Appendix F: Frequency Stability for SA

Test Result

Frequency Error VS. Voltage

Voltage										
Band	SCS	Bandwidth	Modulation	Channel	RB Config	Voltage	Temperature	Deviation(Hz)	Deviation (ppm)	Verdict
N70	15	15	DFT-QPSK	L	Outer_Full	VL	NT	-1.190000	-0.000699	PASS
N70	15	15	DFT-QPSK	L	Outer_Full	VN	NT	-1.790000	-0.001051	PASS
N70	15	15	DFT-QPSK	L	Outer_Full	VH	NT	-0.250000	-0.000147	PASS
N70	15	15	DFT-16QAM	L	Outer_Full	VL	NT	0.190000	0.000112	PASS
N70	15	15	DFT-16QAM	L	Outer_Full	VN	NT	-1.630000	-0.000957	PASS
N70	15	15	DFT-16QAM	L	Outer_Full	VH	NT	-0.900000	-0.000529	PASS
N70	15	15	DFT-QPSK	M	Outer_Full	VL	NT	0.280000	0.000164	PASS
N70	15	15	DFT-QPSK	M	Outer_Full	VN	NT	0.080000	0.000047	PASS
N70	15	15	DFT-QPSK	M	Outer_Full	VH	NT	0.080000	0.000047	PASS
N70	15	15	DFT-16QAM	M	Outer_Full	VL	NT	-0.280000	-0.000164	PASS
N70	15	15	DFT-16QAM	M	Outer_Full	VN	NT	-2.390000	-0.001404	PASS
N70	15	15	DFT-16QAM	M	Outer_Full	VH	NT	-0.270000	-0.000159	PASS
N70	15	15	DFT-QPSK	H	Outer_Full	VL	NT	-1.990000	-0.001169	PASS
N70	15	15	DFT-QPSK	H	Outer_Full	VN	NT	-1.850000	-0.001087	PASS
N70	15	15	DFT-QPSK	H	Outer_Full	VH	NT	-0.490000	-0.000288	PASS
N70	15	15	DFT-16QAM	H	Outer_Full	VL	NT	0.170000	0.000100	PASS
N70	15	15	DFT-16QAM	H	Outer_Full	VN	NT	-1.780000	-0.001046	PASS
N70	15	15	DFT-16QAM	H	Outer_Full	VH	NT	-0.060000	-0.000035	PASS

Frequency Error VS. Temperature

Voltage										
Band	SCS	Bandwidth	Modulation	Channel	RB Config	Voltage	Temperature	Deviation(Hz)	Deviation (ppm)	Verdict
N70	15	15	DFT-QPSK	L	Outer_Full	NV	-30	-0.820000	-0.000482	PASS
N70	15	15	DFT-QPSK	L	Outer_Full	NV	-20	-0.520000	-0.000305	PASS
N70	15	15	DFT-QPSK	L	Outer_Full	NV	-10	-1.090000	-0.000640	PASS
N70	15	15	DFT-QPSK	L	Outer_Full	NV	0	-0.400000	-0.000235	PASS
N70	15	15	DFT-QPSK	L	Outer_Full	NV	10	-1.320000	-0.000775	PASS
N70	15	15	DFT-QPSK	L	Outer_Full	NV	20	-1.460000	-0.000858	PASS
N70	15	15	DFT-QPSK	L	Outer_Full	NV	30	-1.260000	-0.000740	PASS

N70	15	15	DFT-QPSK	L	Outer_Full	NV	40	-0.030000	-0.000018	PASS
N70	15	15	DFT-QPSK	L	Outer_Full	NV	50	0.810000	0.000476	PASS
N70	15	15	DFT-16QAM	L	Outer_Full	NV	-30	-1.340000	-0.000787	PASS
N70	15	15	DFT-16QAM	L	Outer_Full	NV	-20	-1.790000	-0.001051	PASS
N70	15	15	DFT-16QAM	L	Outer_Full	NV	-10	-0.850000	-0.000499	PASS
N70	15	15	DFT-16QAM	L	Outer_Full	NV	0	-0.370000	-0.000217	PASS
N70	15	15	DFT-16QAM	L	Outer_Full	NV	10	-1.560000	-0.000916	PASS
N70	15	15	DFT-16QAM	L	Outer_Full	NV	20	-3.160000	-0.001856	PASS
N70	15	15	DFT-16QAM	L	Outer_Full	NV	30	-2.009999	-0.001181	PASS
N70	15	15	DFT-16QAM	L	Outer_Full	NV	40	-0.640000	-0.000376	PASS
N70	15	15	DFT-16QAM	L	Outer_Full	NV	50	-0.490000	-0.000288	PASS
N70	15	15	DFT-QPSK	M	Outer_Full	NV	-30	-1.610000	-0.000946	PASS
N70	15	15	DFT-QPSK	M	Outer_Full	NV	-20	-1.180000	-0.000693	PASS
N70	15	15	DFT-QPSK	M	Outer_Full	NV	-10	-1.680000	-0.000987	PASS
N70	15	15	DFT-QPSK	M	Outer_Full	NV	0	-1.210000	-0.000711	PASS
N70	15	15	DFT-QPSK	M	Outer_Full	NV	10	-0.160000	-0.000094	PASS
N70	15	15	DFT-QPSK	M	Outer_Full	NV	20	-0.230000	-0.000135	PASS
N70	15	15	DFT-QPSK	M	Outer_Full	NV	30	-0.560000	-0.000329	PASS
N70	15	15	DFT-QPSK	M	Outer_Full	NV	40	1.530000	0.000899	PASS
N70	15	15	DFT-QPSK	M	Outer_Full	NV	50	-0.450000	-0.000264	PASS
N70	15	15	DFT-16QAM	M	Outer_Full	NV	-30	-0.330000	-0.000194	PASS
N70	15	15	DFT-16QAM	M	Outer_Full	NV	-20	-0.310000	-0.000182	PASS
N70	15	15	DFT-16QAM	M	Outer_Full	NV	-10	-0.470000	-0.000276	PASS
N70	15	15	DFT-16QAM	M	Outer_Full	NV	0	-0.690000	-0.000405	PASS
N70	15	15	DFT-16QAM	M	Outer_Full	NV	10	-2.650000	-0.001557	PASS
N70	15	15	DFT-16QAM	M	Outer_Full	NV	20	-1.540000	-0.000905	PASS
N70	15	15	DFT-16QAM	M	Outer_Full	NV	30	-1.770000	-0.001040	PASS
N70	15	15	DFT-16QAM	M	Outer_Full	NV	40	-0.530000	-0.000311	PASS
N70	15	15	DFT-16QAM	M	Outer_Full	NV	50	-1.140000	-0.000670	PASS
N70	15	15	DFT-QPSK	H	Outer_Full	NV	-30	1.290000	0.000758	PASS
N70	15	15	DFT-QPSK	H	Outer_Full	NV	-20	-1.230000	-0.000722	PASS
N70	15	15	DFT-QPSK	H	Outer_Full	NV	-10	-2.590000	-0.001521	PASS
N70	15	15	DFT-QPSK	H	Outer_Full	NV	0	-2.049999	-0.001204	PASS
N70	15	15	DFT-QPSK	H	Outer_Full	NV	10	0.000000	0.000000	PASS
N70	15	15	DFT-QPSK	H	Outer_Full	NV	20	-0.460000	-0.000270	PASS
N70	15	15	DFT-QPSK	H	Outer_Full	NV	30	-0.770000	-0.000452	PASS
N70	15	15	DFT-QPSK	H	Outer_Full	NV	40	-1.410000	-0.000828	PASS
N70	15	15	DFT-QPSK	H	Outer_Full	NV	50	-1.450000	-0.000852	PASS
N70	15	15	DFT-16QAM	H	Outer_Full	NV	-30	-2.990000	-0.001756	PASS
N70	15	15	DFT-16QAM	H	Outer_Full	NV	-20	-1.690000	-0.000993	PASS

N70	15	15	DFT-16QAM	H	Outer_Full	NV	-10	-1.230000	-0.000722	PASS
N70	15	15	DFT-16QAM	H	Outer_Full	NV	0	0.810000	0.000476	PASS
N70	15	15	DFT-16QAM	H	Outer_Full	NV	10	-0.250000	-0.000147	PASS
N70	15	15	DFT-16QAM	H	Outer_Full	NV	20	-1.170000	-0.000687	PASS
N70	15	15	DFT-16QAM	H	Outer_Full	NV	30	-2.310000	-0.001357	PASS
N70	15	15	DFT-16QAM	H	Outer_Full	NV	40	-2.640000	-0.001551	PASS
N70	15	15	DFT-16QAM	H	Outer_Full	NV	50	-1.370000	-0.000805	PASS