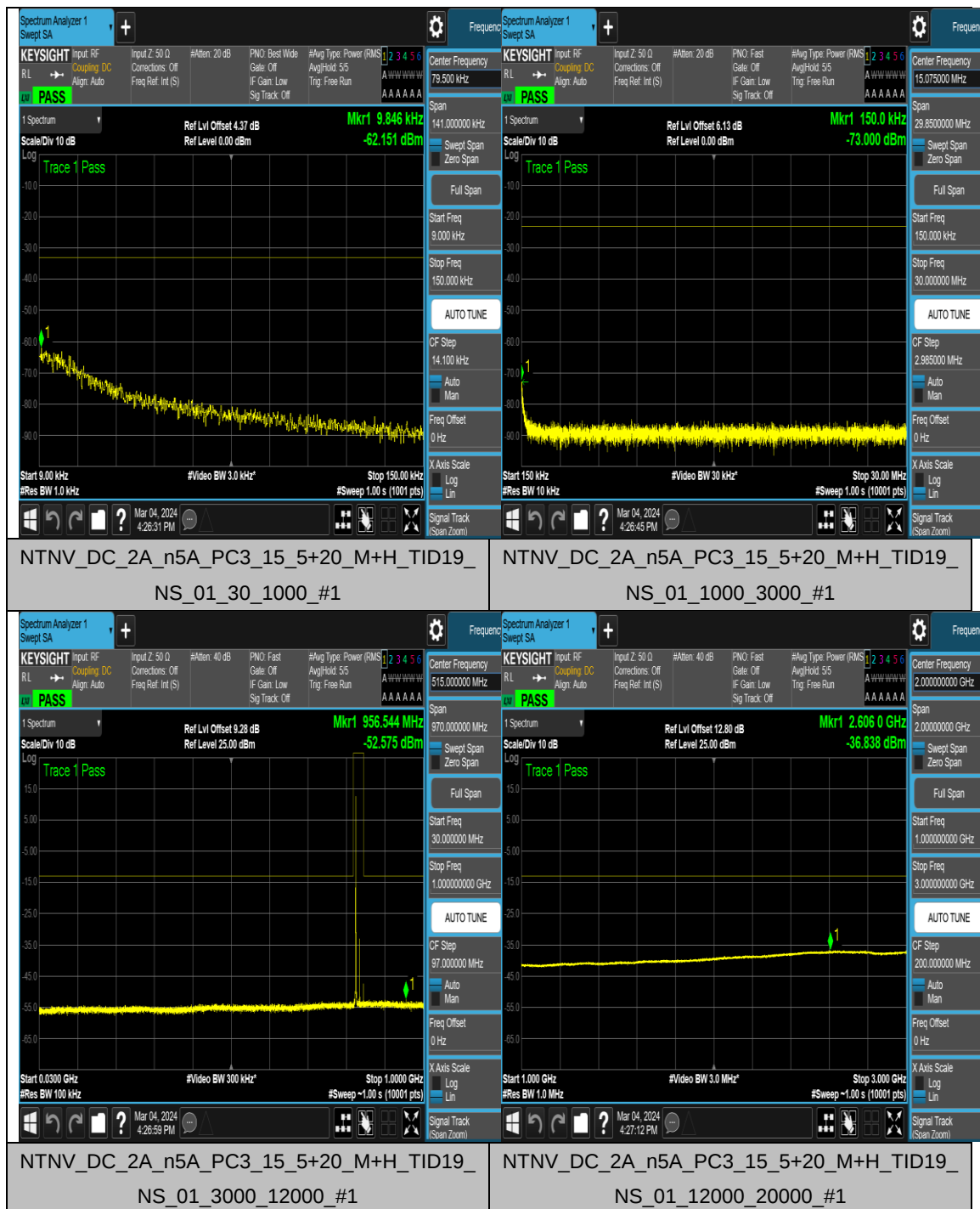
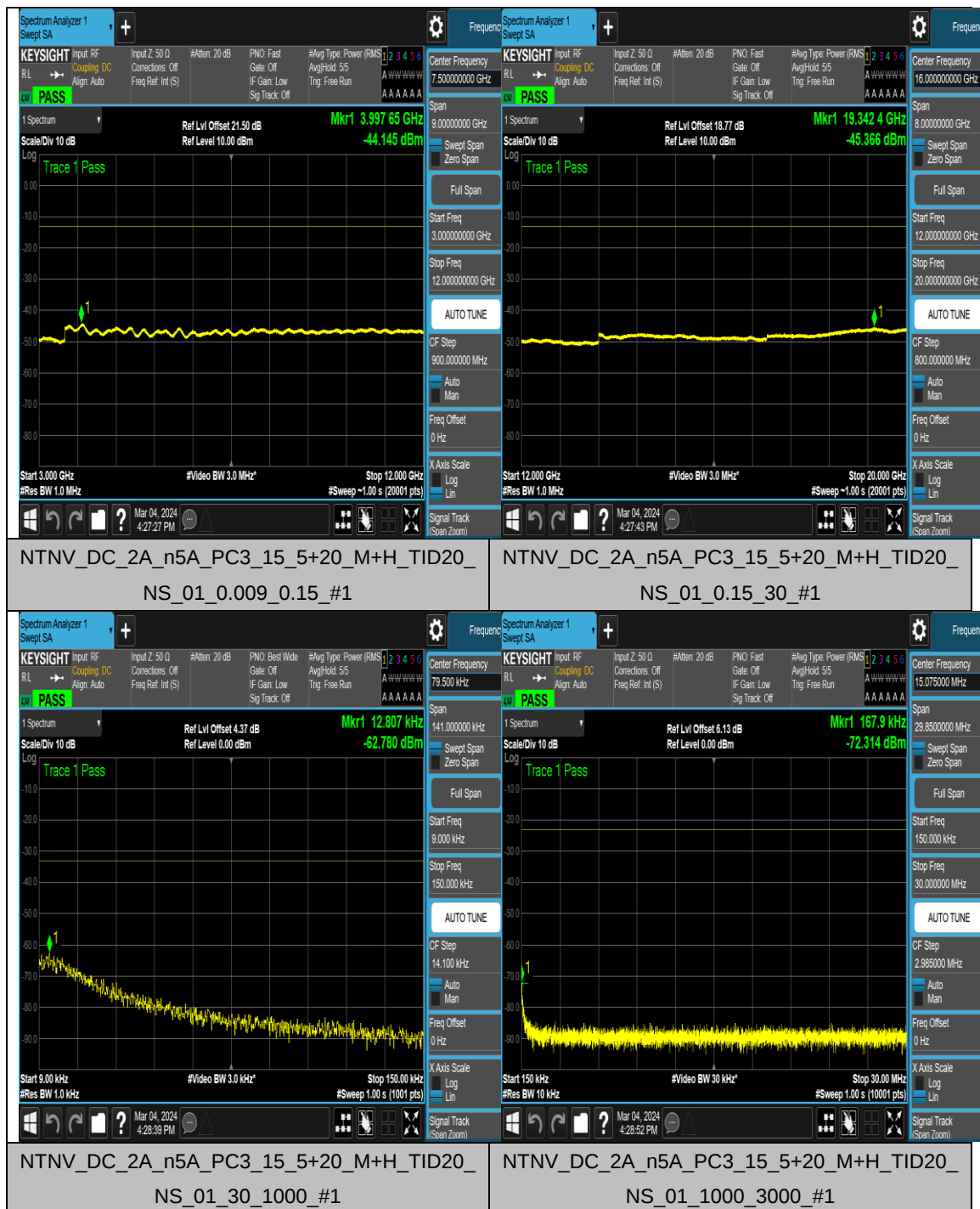








Appendix F: Frequency Stability for NSA

Test Result

Frequency Error VS. Voltage

Voltage										
Band	SCS	Bandwidth	Modulation	Channel	RB Config	Voltage	Temperature	Deviation(Hz)	Deviation (ppm)	Verdict
DC_2A_n5A	15	5+5	CP-QPSK	M+L	Outer_Full	VN	NT	-5.95	-0.01	PASS
DC_2A_n5A	15	5+5	CP-16QAM	M+L	Outer_Full	VN	NT	-5.47	-0.01	PASS
DC_2A_n5A	15	5+5	CP-QPSK	M+M	Outer_Full	VN	NT	-8.35	-0.01	PASS
DC_2A_n5A	15	5+5	CP-16QAM	M+M	Outer_Full	VN	NT	-7.11	-0.01	PASS
DC_2A_n5A	15	5+5	CP-QPSK	M+H	Outer_Full	VN	NT	-3.94	0.00	PASS
DC_2A_n5A	15	5+5	CP-16QAM	M+H	Outer_Full	VN	NT	-0.34	0.00	PASS
DC_2A_n5A	15	5+10	CP-QPSK	M+L	Outer_Full	VN	NT	-3.11	0.00	PASS
DC_2A_n5A	15	5+10	CP-16QAM	M+L	Outer_Full	VN	NT	-40.25	-0.05	PASS
DC_2A_n5A	15	5+10	CP-QPSK	M+M	Outer_Full	VN	NT	0.35	0.00	PASS
DC_2A_n5A	15	5+10	CP-16QAM	M+M	Outer_Full	VN	NT	-0.81	0.00	PASS
DC_2A_n5A	15	5+10	CP-QPSK	M+H	Outer_Full	VN	NT	-3.78	0.00	PASS
DC_2A_n5A	15	5+10	CP-16QAM	M+H	Outer_Full	VN	NT	-1.63	0.00	PASS
DC_2A_n5A	15	5+15	CP-QPSK	M+L	Outer_Full	VN	NT	4.30	0.01	PASS
DC_2A_n5A	15	5+15	CP-16QAM	M+L	Outer_Full	VN	NT	-4.53	-0.01	PASS
DC_2A_n5A	15	5+15	CP-QPSK	M+M	Outer_Full	VN	NT	-4.84	-0.01	PASS
DC_2A_n5A	15	5+15	CP-16QAM	M+M	Outer_Full	VN	NT	-4.71	-0.01	PASS
DC_2A_n5A	15	5+15	CP-QPSK	M+H	Outer_Full	VN	NT	-8.44	-0.01	PASS

DC_2A_n5A	15	5+15	CP-16QAM	M+H	Outer_Full	VN	NT	-9.79	-0.01	PASS
DC_2A_n5A	15	5+20	CP-QPSK	M+L	Outer_Full	VN	NT	-4.37	-0.01	PASS
DC_2A_n5A	15	5+20	CP-16QAM	M+L	Outer_Full	VN	NT	-9.01	-0.01	PASS
DC_2A_n5A	15	5+20	CP-QPSK	M+M	Outer_Full	VN	NT	-2.97	0.00	PASS
DC_2A_n5A	15	5+20	CP-16QAM	M+M	Outer_Full	VN	NT	-7.79	-0.01	PASS
DC_2A_n5A	15	5+20	CP-QPSK	M+H	Outer_Full	VN	NT	-4.96	-0.01	PASS
DC_2A_n5A	15	5+20	CP-16QAM	M+H	Outer_Full	VN	NT	1.03	0.00	PASS

Frequency Error VS. Temperature

Voltage										
Band	SCS	Bandwidth	Modulation	Channel	RB Config	Voltage	Temperature	Deviation(Hz)	Deviation (ppm)	Verdict
DC_2A_n5A	15	5+5	CP-QPSK	M+L	Outer_Full	NV	TN	-3.812099	-0.004612	PASS
DC_2A_n5A	15	5+5	CP-16QAM	M+L	Outer_Full	NV	TN	-5.438815	-0.006581	PASS
DC_2A_n5A	15	5+5	CP-QPSK	M+M	Outer_Full	NV	TN	-3.674908	-0.004393	PASS
DC_2A_n5A	15	5+5	CP-16QAM	M+M	Outer_Full	NV	TN	-3.277632	-0.003918	PASS
DC_2A_n5A	15	5+5	CP-QPSK	M+H	Outer_Full	NV	TN	0.910230	0.001075	PASS
DC_2A_n5A	15	5+5	CP-16QAM	M+H	Outer_Full	NV	TN	4.331133	0.005117	PASS
DC_2A_n5A	15	5+10	CP-QPSK	M+L	Outer_Full	NV	TN	-0.764948	-0.000923	PASS
DC_2A_n5A	15	5+10	CP-16QAM	M+L	Outer_Full	NV	TN	-119.413765	-0.144046	PASS
DC_2A_n5A	15	5+10	CP-QPSK	M+M	Outer_Full	NV	TN	-0.627893	-0.000751	PASS
DC_2A_n5A	15	5+10	CP-16QAM	M+M	Outer_Full	NV	TN	-0.889153	-0.001063	PASS
DC_2A_n5A	15	5+10	CP-QPSK	M+H	Outer_Full	NV	TN	-2.299749	-0.002725	PASS
DC_2A_n5A	15	5+10	CP-16QAM	M+H	Outer_Full	NV	TN	-1.664090	-0.001972	PASS

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n5A										
DC_2A_ n5A	15	5+15	CP-QPSK	M+L	Outer_Full	NV	TN	-0.252024	-0.000303	PASS
DC_2A_ n5A	15	5+15	CP-16QAM	M+L	Outer_Full	NV	TN	2.392466	0.002877	PASS
DC_2A_ n5A	15	5+15	CP-QPSK	M+M	Outer_Full	NV	TN	-10.229575	-0.012229	PASS
DC_2A_ n5A	15	5+15	CP-16QAM	M+M	Outer_Full	NV	TN	-7.531214	-0.009003	PASS
DC_2A_ n5A	15	5+15	CP-QPSK	M+H	Outer_Full	NV	TN	-4.213751	-0.005007	PASS
DC_2A_ n5A	15	5+15	CP-16QAM	M+H	Outer_Full	NV	TN	-3.714560	-0.004414	PASS
DC_2A_ n5A	15	5+20	CP-QPSK	M+L	Outer_Full	NV	TN	-0.840141	-0.001007	PASS
DC_2A_ n5A	15	5+20	CP-16QAM	M+L	Outer_Full	NV	TN	-3.617234	-0.004337	PASS
DC_2A_ n5A	15	5+20	CP-QPSK	M+M	Outer_Full	NV	TN	1.031438	0.001233	PASS
DC_2A_ n5A	15	5+20	CP-16QAM	M+M	Outer_Full	NV	TN	-3.710379	-0.004436	PASS
DC_2A_ n5A	15	5+20	CP-QPSK	M+H	Outer_Full	NV	TN	-1.509367	-0.001799	PASS
DC_2A_ n5A	15	5+20	CP-16QAM	M+H	Outer_Full	NV	TN	-3.600483	-0.003745	PASS