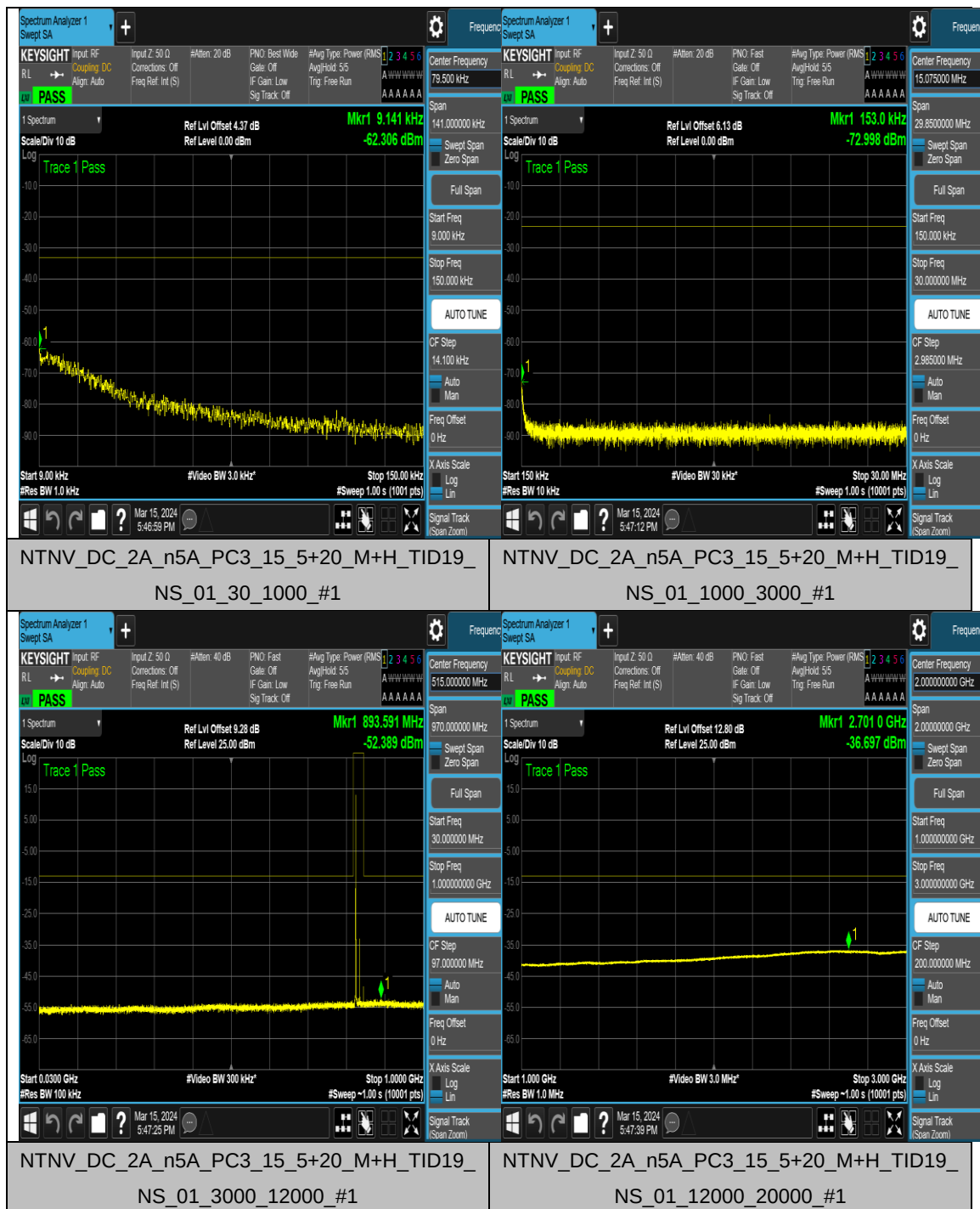








Appendix F: Frequency Stability for NSA

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	-2.95	0.00	PASS
DC_2A_n5A	15	5+5	CP-16QAM	M+L	Outer_Full	VN	NT	-1.28	0.00	PASS
DC_2A_n5A	15	5+5	CP-QPSK	M+M	Outer_Full	VN	NT	-2.54	0.00	PASS
DC_2A_n5A	15	5+5	CP-16QAM	M+M	Outer_Full	VN	NT	-2.43	0.00	PASS
DC_2A_n5A	15	5+5	CP-QPSK	M+H	Outer_Full	VN	NT	-0.43	0.00	PASS
DC_2A_n5A	15	5+5	CP-16QAM	M+H	Outer_Full	VN	NT	-1.20	0.00	PASS
DC_2A_n5A	15	5+10	CP-QPSK	M+L	Outer_Full	VN	NT	-2.06	0.00	PASS
DC_2A_n5A	15	5+10	CP-16QAM	M+L	Outer_Full	VN	NT	-2.08	0.00	PASS
DC_2A_n5A	15	5+10	CP-QPSK	M+M	Outer_Full	VN	NT	-2.51	0.00	PASS
DC_2A_n5A	15	5+10	CP-16QAM	M+M	Outer_Full	VN	NT	-6.49	-0.01	PASS
DC_2A_n5A	15	5+10	CP-QPSK	M+H	Outer_Full	VN	NT	0.92	0.00	PASS
DC_2A_n5A	15	5+10	CP-16QAM	M+H	Outer_Full	VN	NT	-0.85	0.00	PASS
DC_2A_n5A	15	5+15	CP-QPSK	M+L	Outer_Full	VN	NT	1.79	0.00	PASS
DC_2A_n5A	15	5+15	CP-16QAM	M+L	Outer_Full	VN	NT	-4.64	-0.01	PASS
DC_2A_n5A	15	5+15	CP-QPSK	M+M	Outer_Full	VN	NT	-3.92	0.00	PASS
DC_2A_n5A	15	5+15	CP-16QAM	M+M	Outer_Full	VN	NT	-2.33	0.00	PASS
DC_2A_n5A	15	5+15	CP-QPSK	M+H	Outer_Full	VN	NT	0.97	0.00	PASS

DC_2A_n5A	15	5+15	CP-16QAM	M+H	Outer_Full	VN	NT	-8.07	-0.01	PASS
DC_2A_n5A	15	5+20	CP-QPSK	M+L	Outer_Full	VN	NT	-2.17	0.00	PASS
DC_2A_n5A	15	5+20	CP-16QAM	M+L	Outer_Full	VN	NT	-2.85	0.00	PASS
DC_2A_n5A	15	5+20	CP-QPSK	M+M	Outer_Full	VN	NT	-10.30	-0.01	PASS
DC_2A_n5A	15	5+20	CP-16QAM	M+M	Outer_Full	VN	NT	-0.52	0.00	PASS
DC_2A_n5A	15	5+20	CP-QPSK	M+H	Outer_Full	VN	NT	2.81	0.00	PASS
DC_2A_n5A	15	5+20	CP-16QAM	M+H	Outer_Full	VN	NT	0.91	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	-7.543866	-0.009127	PASS
DC_2A_n5A	15	5+5	CP-16QAM	M+L	Outer_Full	NV	TN	-3.137071	-0.003796	PASS
DC_2A_n5A	15	5+5	CP-QPSK	M+M	Outer_Full	NV	TN	-0.980698	-0.001172	PASS
DC_2A_n5A	15	5+5	CP-16QAM	M+M	Outer_Full	NV	TN	-7.441989	-0.008897	PASS
DC_2A_n5A	15	5+5	CP-QPSK	M+H	Outer_Full	NV	TN	-2.400574	-0.002836	PASS
DC_2A_n5A	15	5+5	CP-16QAM	M+H	Outer_Full	NV	TN	-2.272142	-0.002684	PASS
DC_2A_n5A	15	5+10	CP-QPSK	M+L	Outer_Full	NV	TN	-2.848083	-0.003436	PASS
DC_2A_n5A	15	5+10	CP-16QAM	M+L	Outer_Full	NV	TN	-2.743268	-0.003309	PASS
DC_2A_n5A	15	5+10	CP-QPSK	M+M	Outer_Full	NV	TN	-5.060842	-0.006050	PASS
DC_2A_n5A	15	5+10	CP-16QAM	M+M	Outer_Full	NV	TN	-9.165088	-0.010956	PASS
DC_2A_n5A	15	5+10	CP-QPSK	M+H	Outer_Full	NV	TN	-0.848147	-0.001005	PASS
DC_2A_n5A	15	5+10	CP-16QAM	M+H	Outer_Full	NV	TN	-1.287656	-0.001526	PASS

n5A										
DC_2A_ n5A	15	5+15	CP-QPSK	M+L	Outer_Full	NV	TN	-3.218731	-0.003871	PASS
DC_2A_ n5A	15	5+15	CP-16QAM	M+L	Outer_Full	NV	TN	-0.820320	-0.000987	PASS
DC_2A_ n5A	15	5+15	CP-QPSK	M+M	Outer_Full	NV	TN	-8.993944	-0.010752	PASS
DC_2A_ n5A	15	5+15	CP-16QAM	M+M	Outer_Full	NV	TN	-5.828837	-0.006968	PASS
DC_2A_ n5A	15	5+15	CP-QPSK	M+H	Outer_Full	NV	TN	-3.818498	-0.004538	PASS
DC_2A_ n5A	15	5+15	CP-16QAM	M+H	Outer_Full	NV	TN	-1.712435	-0.002035	PASS
DC_2A_ n5A	15	5+20	CP-QPSK	M+L	Outer_Full	NV	TN	-7.676374	-0.009204	PASS
DC_2A_ n5A	15	5+20	CP-16QAM	M+L	Outer_Full	NV	TN	-8.148111	-0.009770	PASS
DC_2A_ n5A	15	5+20	CP-QPSK	M+M	Outer_Full	NV	TN	-6.125579	-0.007323	PASS
DC_2A_ n5A	15	5+20	CP-16QAM	M+M	Outer_Full	NV	TN	-6.605751	-0.007897	PASS
DC_2A_ n5A	15	5+20	CP-QPSK	M+H	Outer_Full	NV	TN	6.710029	0.007998	PASS
DC_2A_ n5A	15	5+20	CP-16QAM	M+H	Outer_Full	NV	TN	6.202027	0.007392	PASS