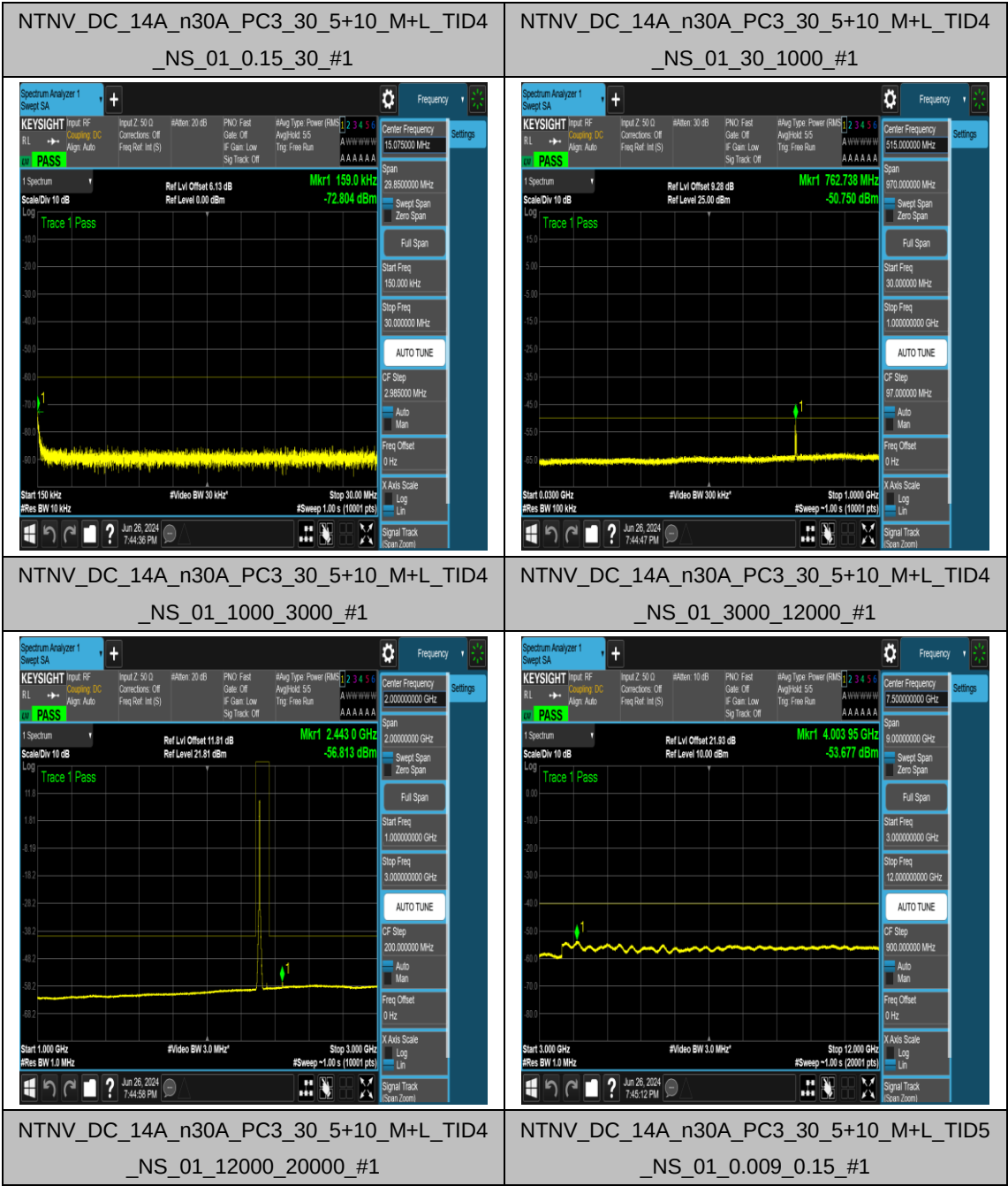
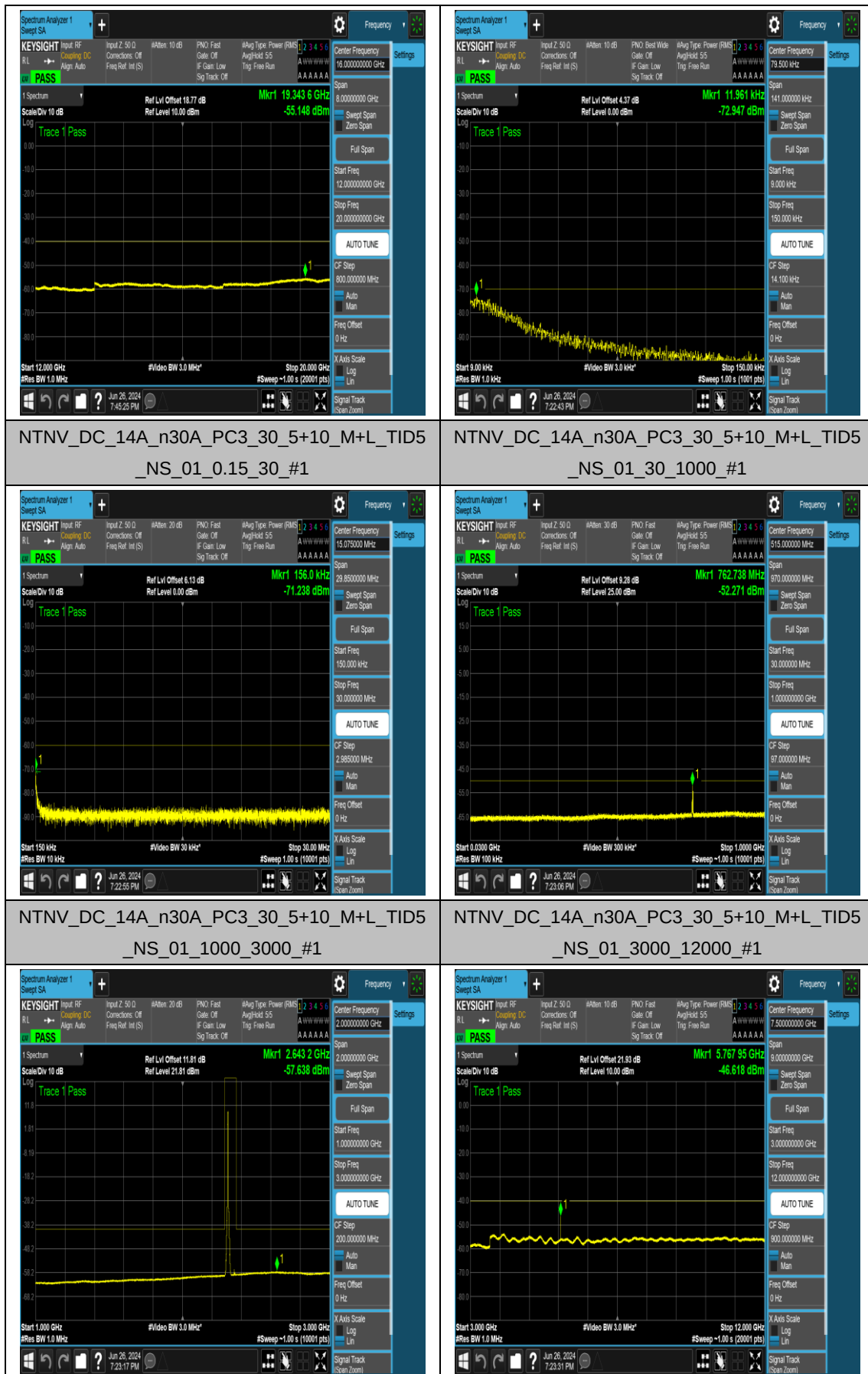
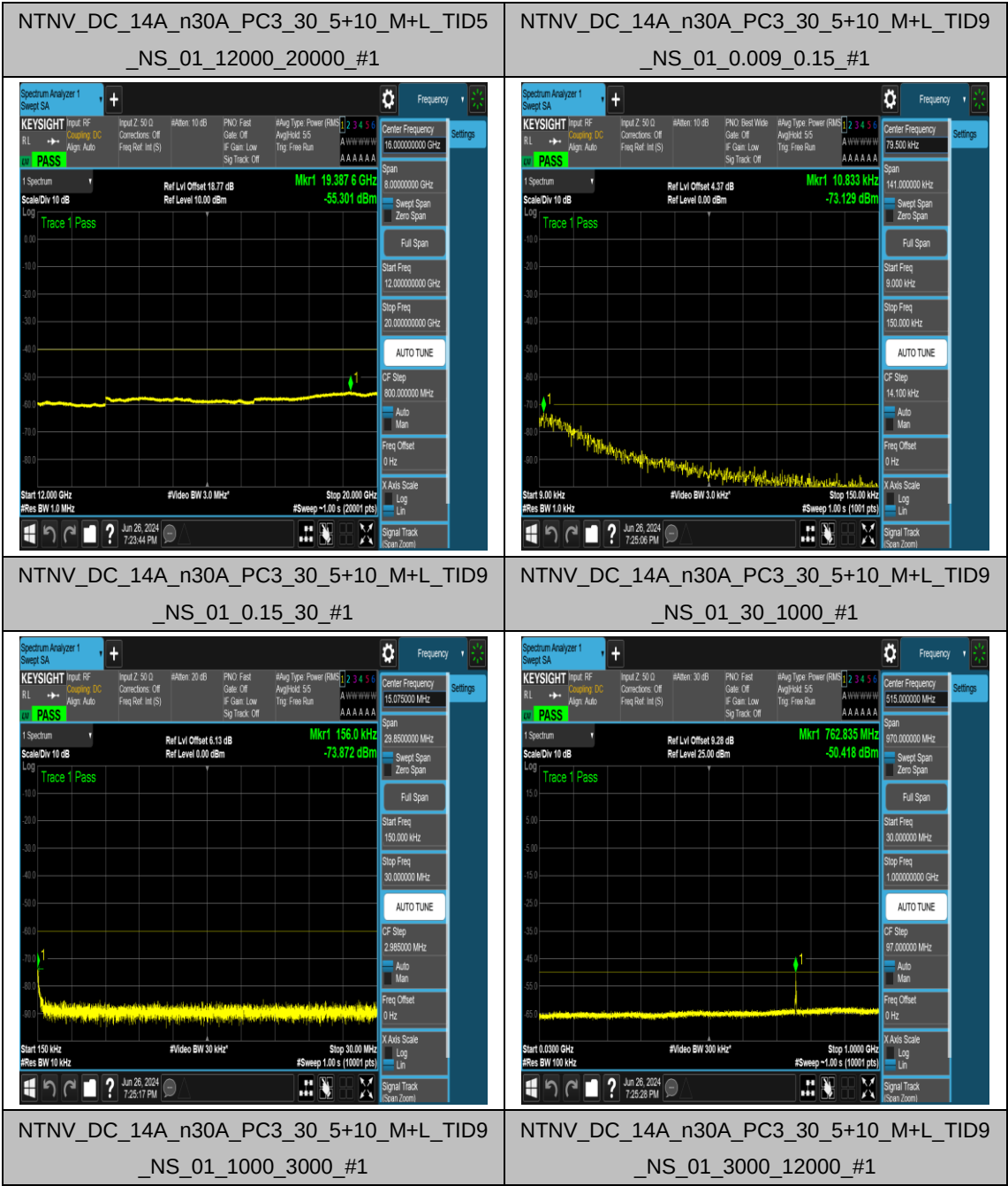
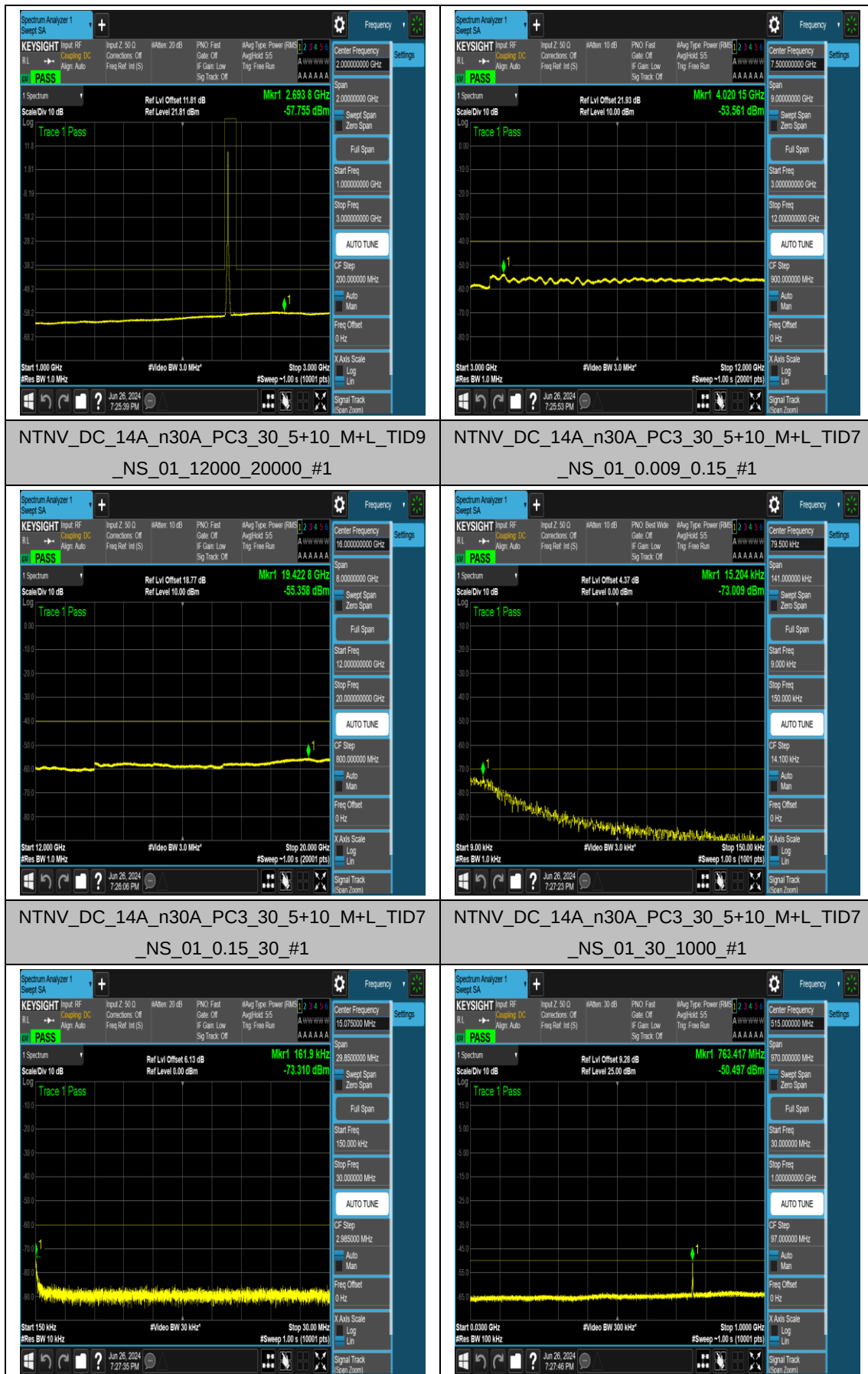


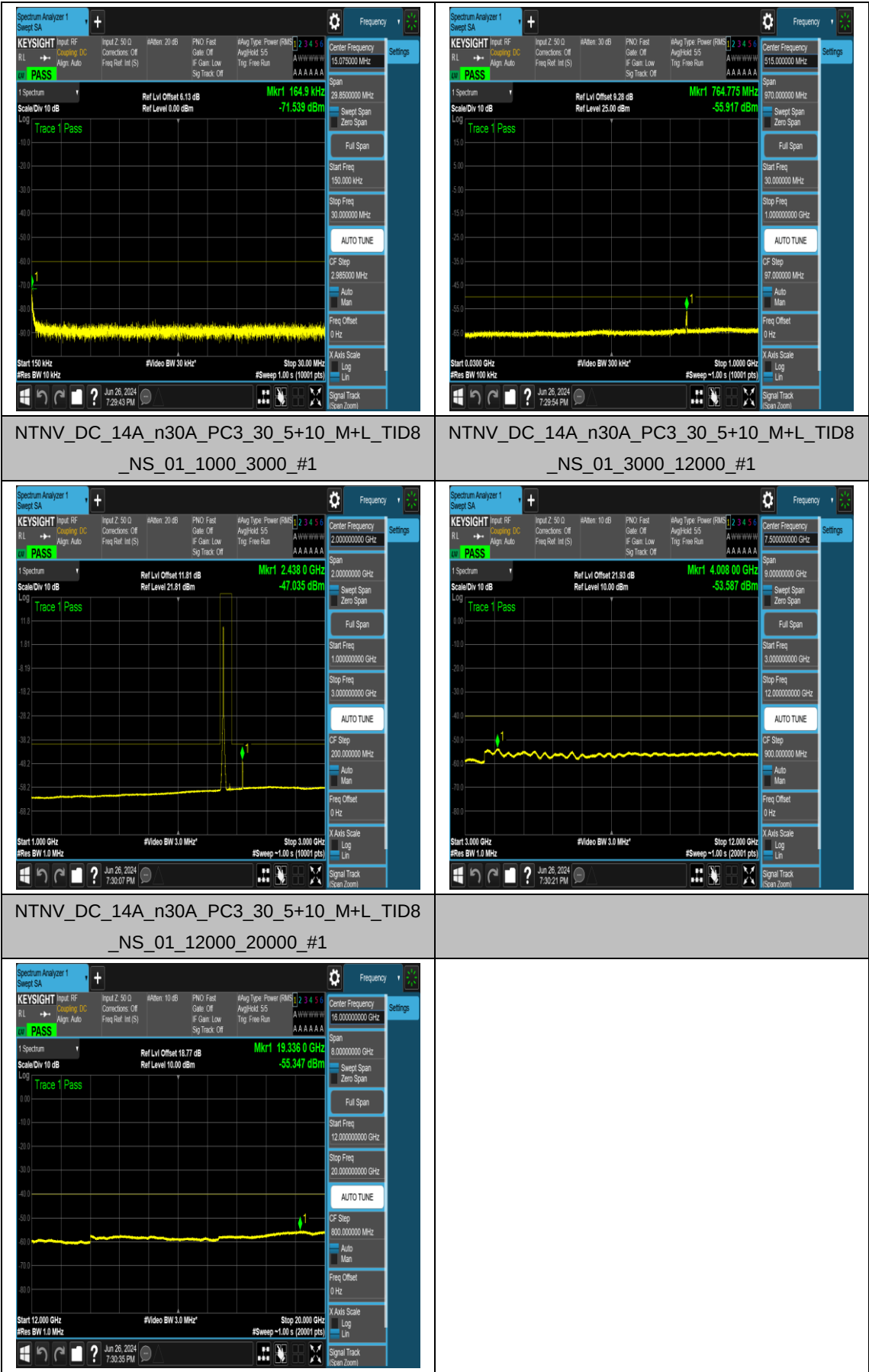












Appendix F: Frequency Stability for NSA

Test Result

Frequency Error VS. Voltage

Band	SCS	Bandwidth	Modulation	Channel	RB Config	Voltage	Temperature	Deviation(Hz)	Deviation (ppm)	Verdict
DC_14A_n30A	30	5+5	DFT-QPSK	M+L	Outer_Full	VL	NT	19.000000	0.008234	PASS
DC_14A_n30A	30	5+5	DFT-QPSK	M+L	Outer_Full	VN	NT	14.000000	0.006067	PASS
DC_14A_n30A	30	5+5	DFT-QPSK	M+L	Outer_Full	VH	NT	16.000000	0.006934	PASS
DC_14A_n30A	30	5+5	DFT-16QAM	M+L	Outer_Full	VL	NT	2.000000	0.000867	PASS
DC_14A_n30A	30	5+5	DFT-16QAM	M+L	Outer_Full	VN	NT	12.000000	0.005200	PASS
DC_14A_n30A	30	5+5	DFT-16QAM	M+L	Outer_Full	VH	NT	14.000000	0.006067	PASS
DC_14A_n30A	30	5+5	DFT-QPSK	M+M	Outer_Full	VL	NT	13.000000	0.005628	PASS
DC_14A_n30A	30	5+5	DFT-QPSK	M+M	Outer_Full	VN	NT	12.000000	0.005195	PASS
DC_14A_n30A	30	5+5	DFT-QPSK	M+M	Outer_Full	VH	NT	7.000000	0.003030	PASS
DC_14A_n30A	30	5+5	DFT-16QAM	M+M	Outer_Full	VL	NT	16.000000	0.006926	PASS
DC_14A_n30A	30	5+5	DFT-16QAM	M+M	Outer_Full	VN	NT	4.000000	0.001732	PASS
DC_14A_n30A	30	5+5	DFT-16QAM	M+M	Outer_Full	VH	NT	14.000000	0.006061	PASS
DC_14A_n30A	30	5+5	DFT-QPSK	M+H	Outer_Full	VL	NT	8.000000	0.003459	PASS
DC_14A_n30A	30	5+5	DFT-QPSK	M+H	Outer_Full	VN	NT	18.000000	0.007784	PASS
DC_14A_n30A	30	5+5	DFT-QPSK	M+H	Outer_Full	VH	NT	5.000000	0.002162	PASS
DC_14A_n30A	30	5+5	DFT-16QAM	M+H	Outer_Full	VL	NT	11.000000	0.004757	PASS
DC_14A_n30A	30	5+5	DFT-16QAM	M+H	Outer_Full	VN	NT	6.000000	0.002595	PASS
DC_14A	30	5+5	DFT-16QAM	M+H	Outer_Full	VH	NT	15.000000	0.006486	PASS

_n30A										
DC_14A_n30A	30	5+10	DFT-QPSK	M+L	Outer_Full	VL	NT	3.000000	0.001299	PASS
DC_14A_n30A	30	5+10	DFT-QPSK	M+L	Outer_Full	VN	NT	16.000000	0.006926	PASS
DC_14A_n30A	30	5+10	DFT-QPSK	M+L	Outer_Full	VH	NT	18.000000	0.007792	PASS
DC_14A_n30A	30	5+10	DFT-16QAM	M+L	Outer_Full	VL	NT	13.000000	0.005628	PASS
DC_14A_n30A	30	5+10	DFT-16QAM	M+L	Outer_Full	VN	NT	4.000000	0.001732	PASS
DC_14A_n30A	30	5+10	DFT-16QAM	M+L	Outer_Full	VH	NT	6.000000	0.002597	PASS

Frequency Error VS. Temperature

Band	SCS	Bandwidth	Modulation	Channel	RB Config	Voltage	Temperature	Deviation(Hz)	Deviation (ppm)	Verdict
DC_14A_n30A	30	5+5	DFT-QPSK	M+L	Outer_Full	NV	-30	11.000000	0.004767	PASS
DC_14A_n30A	30	5+5	DFT-QPSK	M+L	Outer_Full	NV	-20	6.000000	0.002600	PASS
DC_14A_n30A	30	5+5	DFT-QPSK	M+L	Outer_Full	NV	-10	2.000000	0.000867	PASS
DC_14A_n30A	30	5+5	DFT-QPSK	M+L	Outer_Full	NV	0	4.000000	0.001733	PASS
DC_14A_n30A	30	5+5	DFT-QPSK	M+L	Outer_Full	NV	10	18.000000	0.007801	PASS
DC_14A_n30A	30	5+5	DFT-QPSK	M+L	Outer_Full	NV	20	1.000000	0.000433	PASS
DC_14A_n30A	30	5+5	DFT-QPSK	M+L	Outer_Full	NV	30	15.000000	0.006501	PASS
DC_14A_n30A	30	5+5	DFT-QPSK	M+L	Outer_Full	NV	40	17.000000	0.007367	PASS
DC_14A_n30A	30	5+5	DFT-QPSK	M+L	Outer_Full	NV	50	9.000000	0.003900	PASS
DC_14A_n30A	30	5+5	DFT-16QAM	M+L	Outer_Full	NV	-30	9.000000	0.003900	PASS
DC_14A_n30A	30	5+5	DFT-16QAM	M+L	Outer_Full	NV	-20	4.000000	0.001733	PASS
DC_14A_n30A	30	5+5	DFT-16QAM	M+L	Outer_Full	NV	-10	15.000000	0.006501	PASS
DC_14A	30	5+5	DFT-16QAM	M+L	Outer_Full	NV	0	10.000000	0.004334	PASS

_n30A										
DC_14A _n30A	30	5+5	DFT-16QAM	M+L	Outer_Full	NV	10	12.000000	0.005200	PASS
DC_14A _n30A	30	5+5	DFT-16QAM	M+L	Outer_Full	NV	20	14.000000	0.006067	PASS
DC_14A _n30A	30	5+5	DFT-16QAM	M+L	Outer_Full	NV	30	16.000000	0.006934	PASS
DC_14A _n30A	30	5+5	DFT-16QAM	M+L	Outer_Full	NV	40	19.000000	0.008234	PASS
DC_14A _n30A	30	5+5	DFT-16QAM	M+L	Outer_Full	NV	50	2.000000	0.000867	PASS
DC_14A _n30A	30	5+5	DFT-16QAM	M+H	Outer_Full	NV	-10	5.000000	0.002162	PASS
DC_14A _n30A	30	5+5	DFT-16QAM	M+H	Outer_Full	NV	0	17.000000	0.007351	PASS
DC_14A _n30A	30	5+5	DFT-16QAM	M+H	Outer_Full	NV	10	19.000000	0.008216	PASS
DC_14A _n30A	30	5+5	DFT-16QAM	M+H	Outer_Full	NV	20	14.000000	0.006054	PASS
DC_14A _n30A	30	5+5	DFT-16QAM	M+H	Outer_Full	NV	30	16.000000	0.006919	PASS
DC_14A _n30A	30	5+5	DFT-16QAM	M+H	Outer_Full	NV	40	18.000000	0.007784	PASS
DC_14A _n30A	30	5+5	DFT-16QAM	M+H	Outer_Full	NV	50	13.000000	0.005622	PASS
DC_14A _n30A	30	5+10	DFT-QPSK	M+L	Outer_Full	NV	-30	13.000000	0.005628	PASS
DC_14A _n30A	30	5+10	DFT-QPSK	M+L	Outer_Full	NV	-20	16.000000	0.006926	PASS
DC_14A _n30A	30	5+10	DFT-QPSK	M+L	Outer_Full	NV	-10	12.000000	0.005195	PASS
DC_14A _n30A	30	5+10	DFT-QPSK	M+L	Outer_Full	NV	0	11.000000	0.004762	PASS
DC_14A _n30A	30	5+10	DFT-QPSK	M+L	Outer_Full	NV	10	16.000000	0.006926	PASS
DC_14A _n30A	30	5+10	DFT-QPSK	M+L	Outer_Full	NV	20	8.000000	0.003463	PASS
DC_14A _n30A	30	5+10	DFT-QPSK	M+L	Outer_Full	NV	30	10.000000	0.004329	PASS
DC_14A _n30A	30	5+10	DFT-QPSK	M+L	Outer_Full	NV	40	5.000000	0.002165	PASS
DC_14A	30	5+10	DFT-QPSK	M+L	Outer_Full	NV	50	11.000000	0.004762	PASS

_n30A										
DC_14A _n30A	30	5+10	DFT-16QAM	M+L	Outer_Full	NV	-30	17.000000	0.007359	PASS
DC_14A _n30A	30	5+10	DFT-16QAM	M+L	Outer_Full	NV	-20	19.000000	0.008225	PASS
DC_14A _n30A	30	5+10	DFT-16QAM	M+L	Outer_Full	NV	-10	14.000000	0.006061	PASS
DC_14A _n30A	30	5+10	DFT-16QAM	M+L	Outer_Full	NV	0	16.000000	0.006926	PASS
DC_14A _n30A	30	5+10	DFT-16QAM	M+L	Outer_Full	NV	10	18.000000	0.007792	PASS
DC_14A _n30A	30	5+10	DFT-16QAM	M+L	Outer_Full	NV	20	1.000000	0.000433	PASS
DC_14A _n30A	30	5+10	DFT-16QAM	M+L	Outer_Full	NV	30	16.000000	0.006926	PASS
DC_14A _n30A	30	5+10	DFT-16QAM	M+L	Outer_Full	NV	40	8.000000	0.003463	PASS
DC_14A _n30A	30	5+10	DFT-16QAM	M+L	Outer_Full	NV	50	10.000000	0.004329	PASS