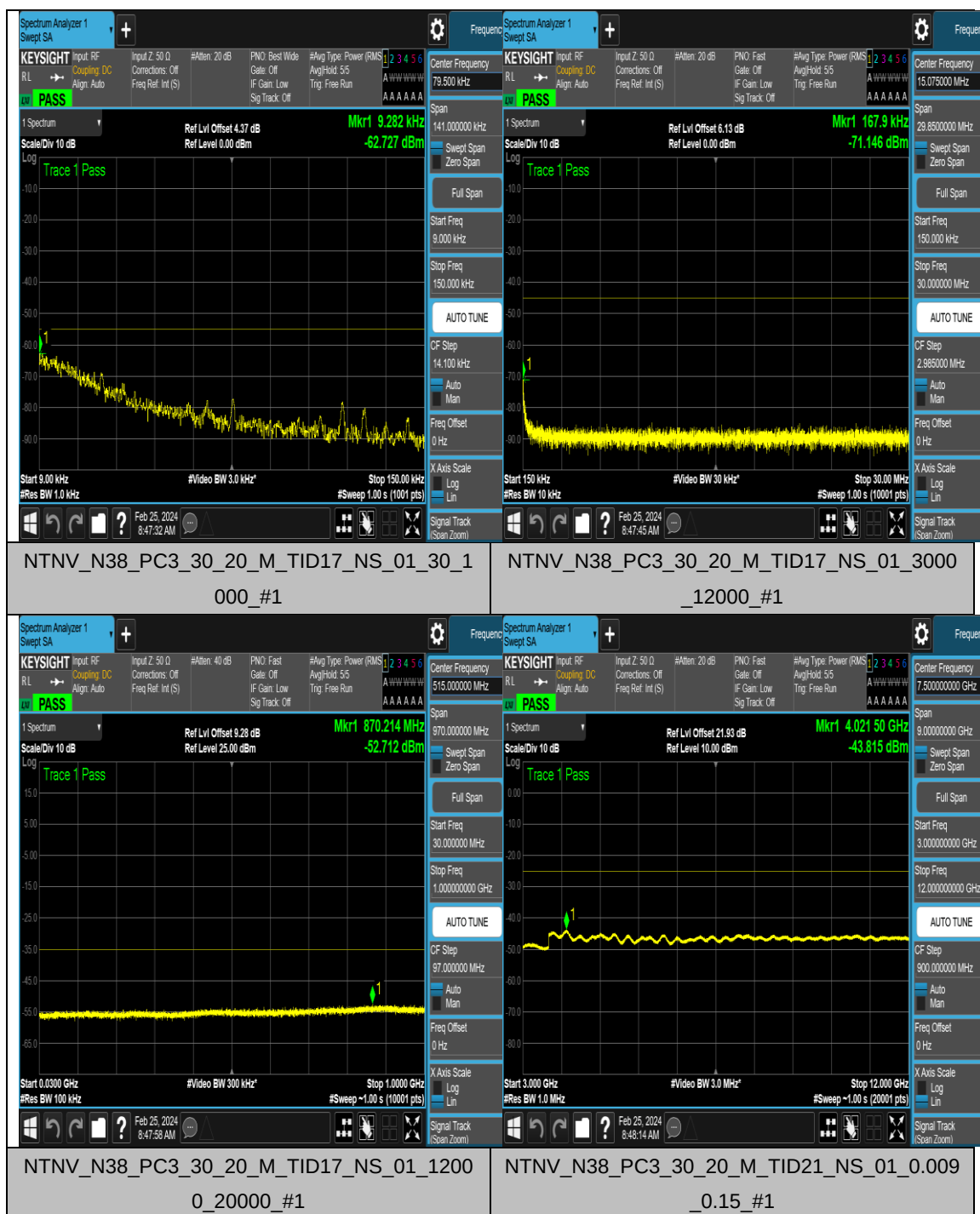
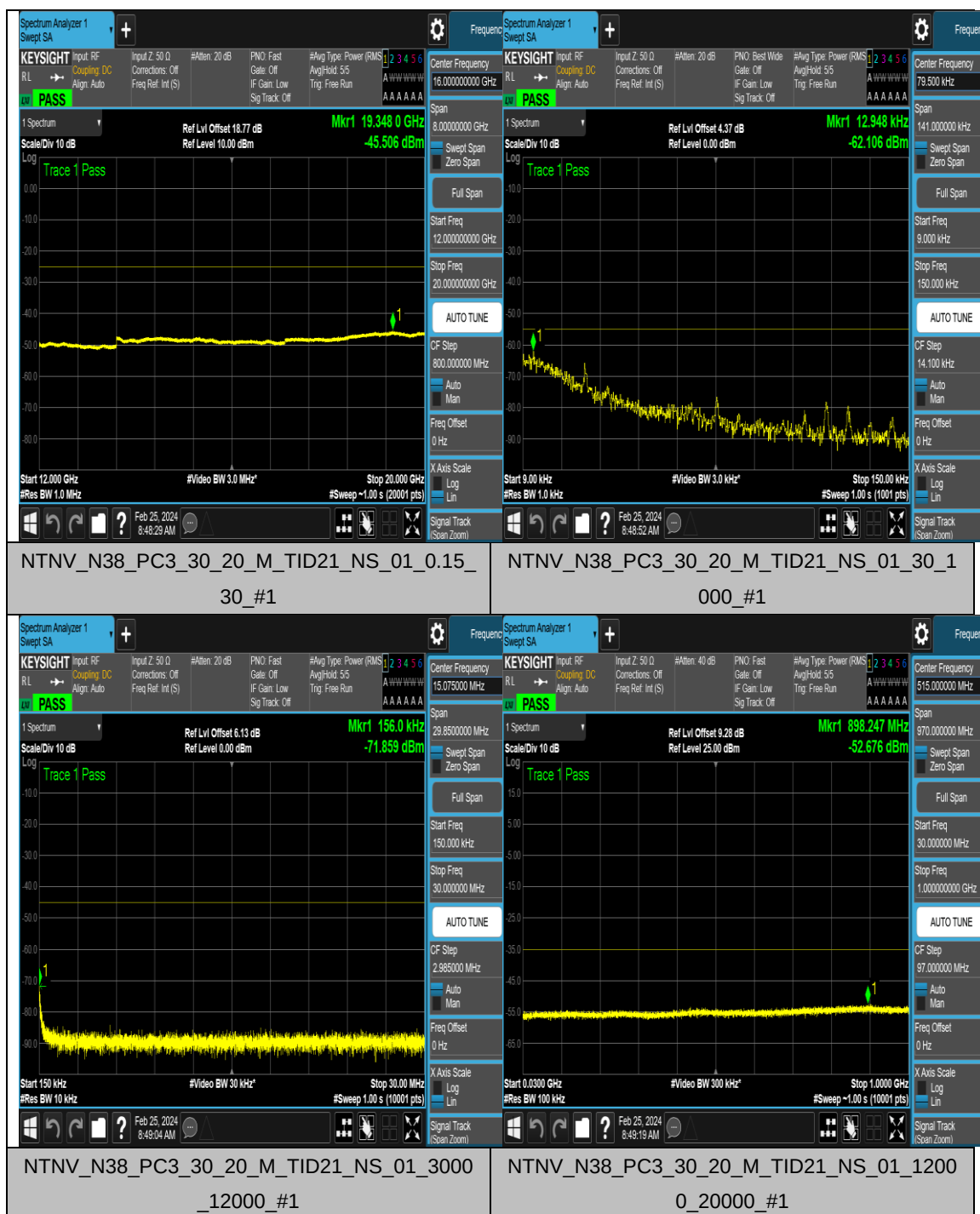
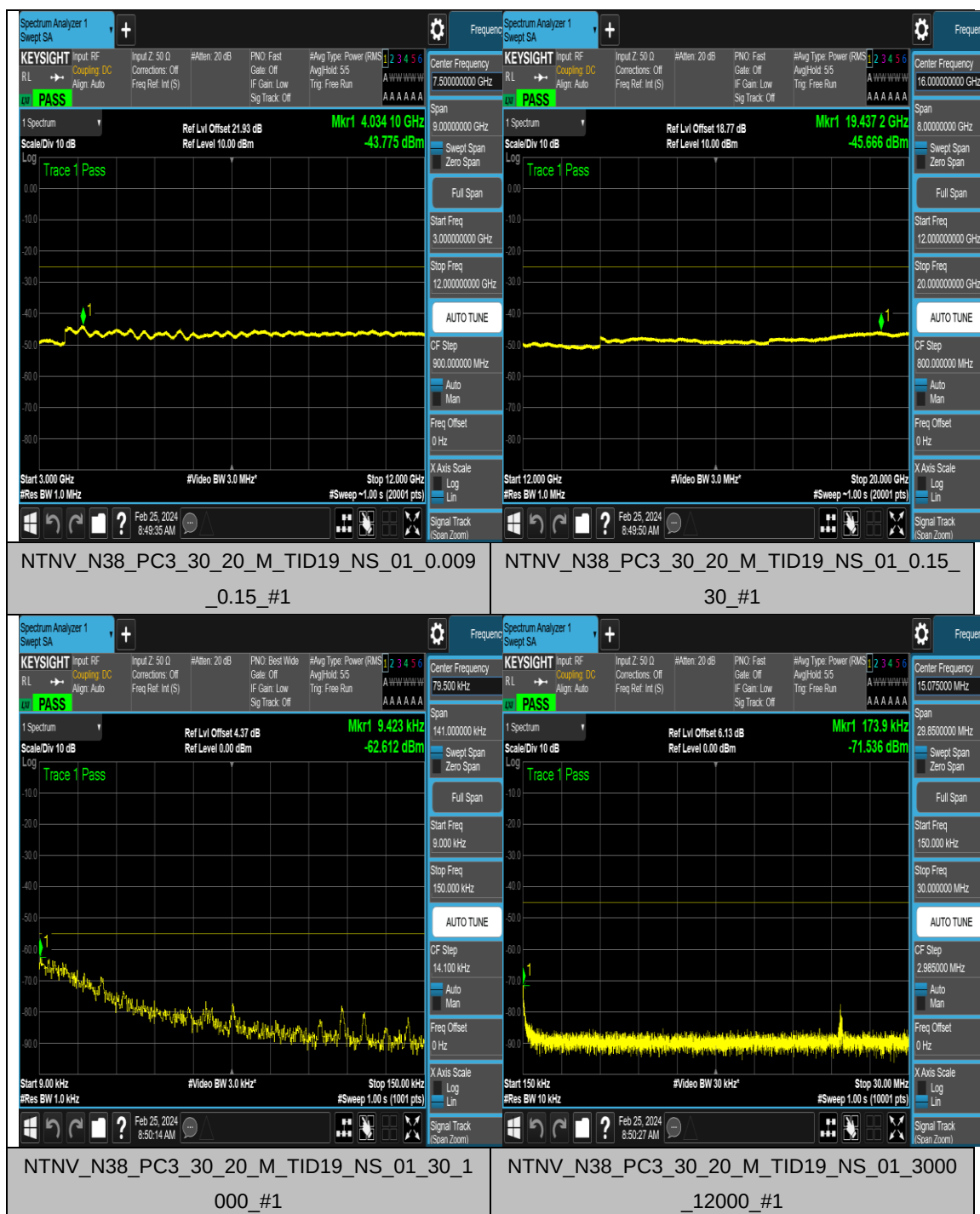
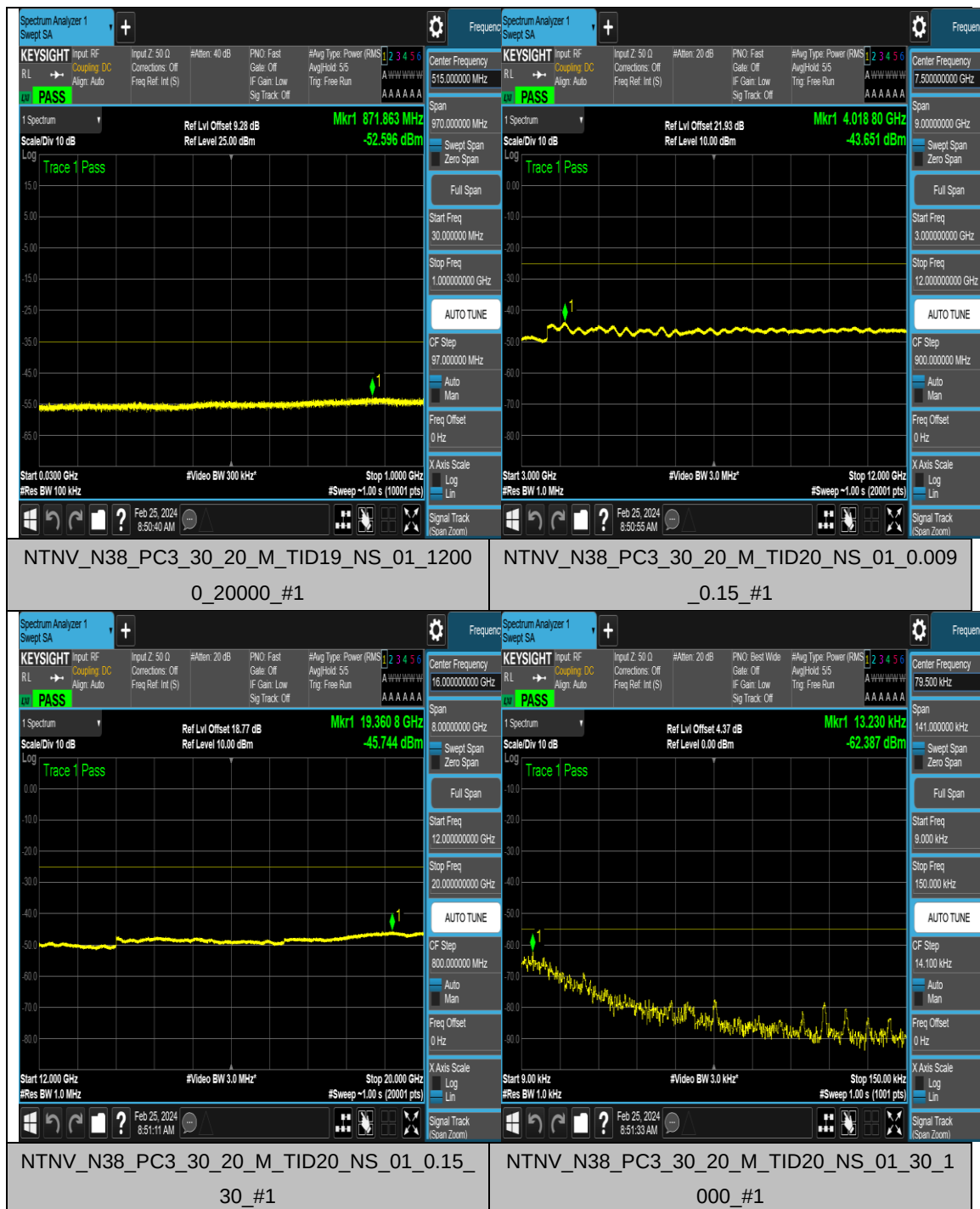




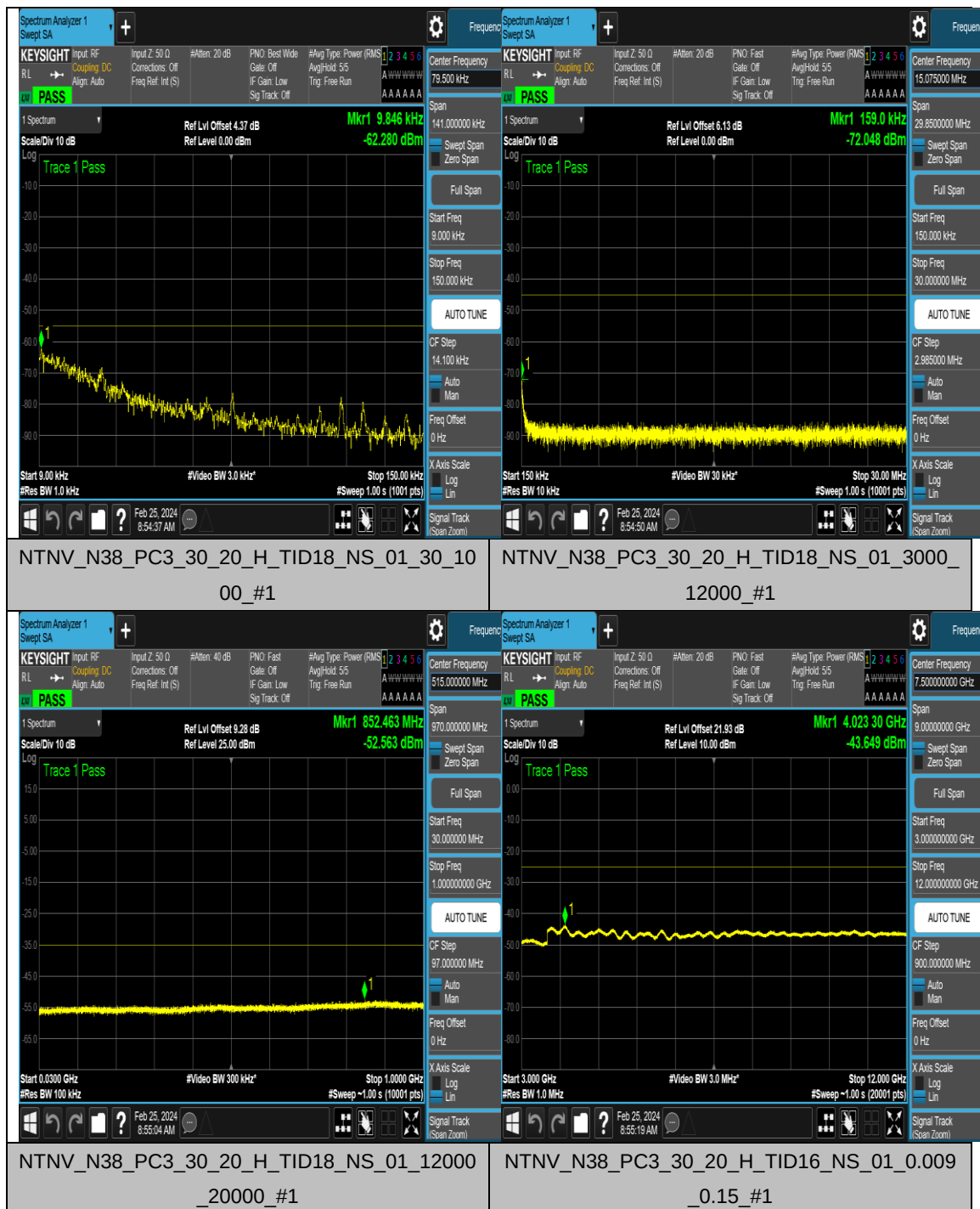


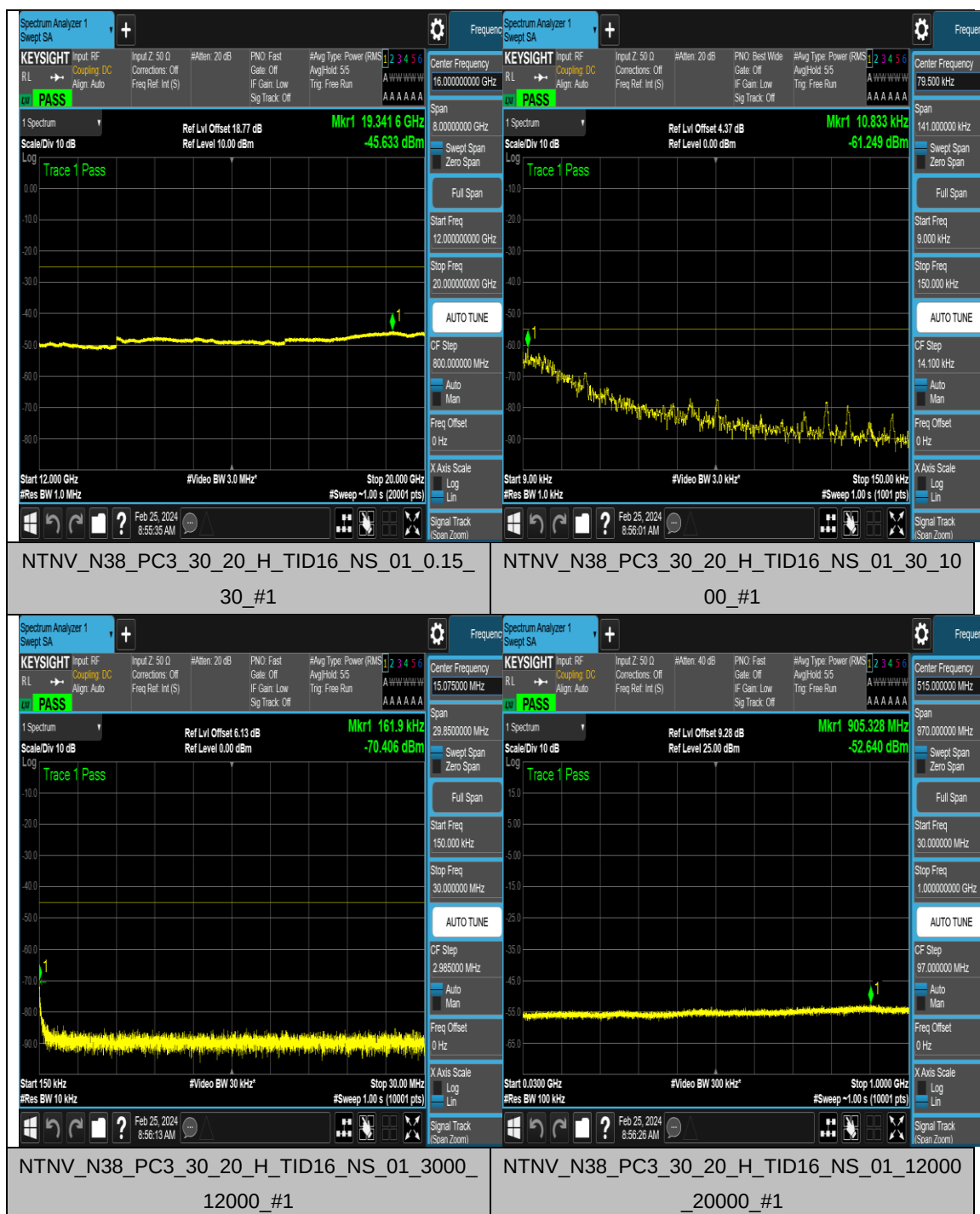


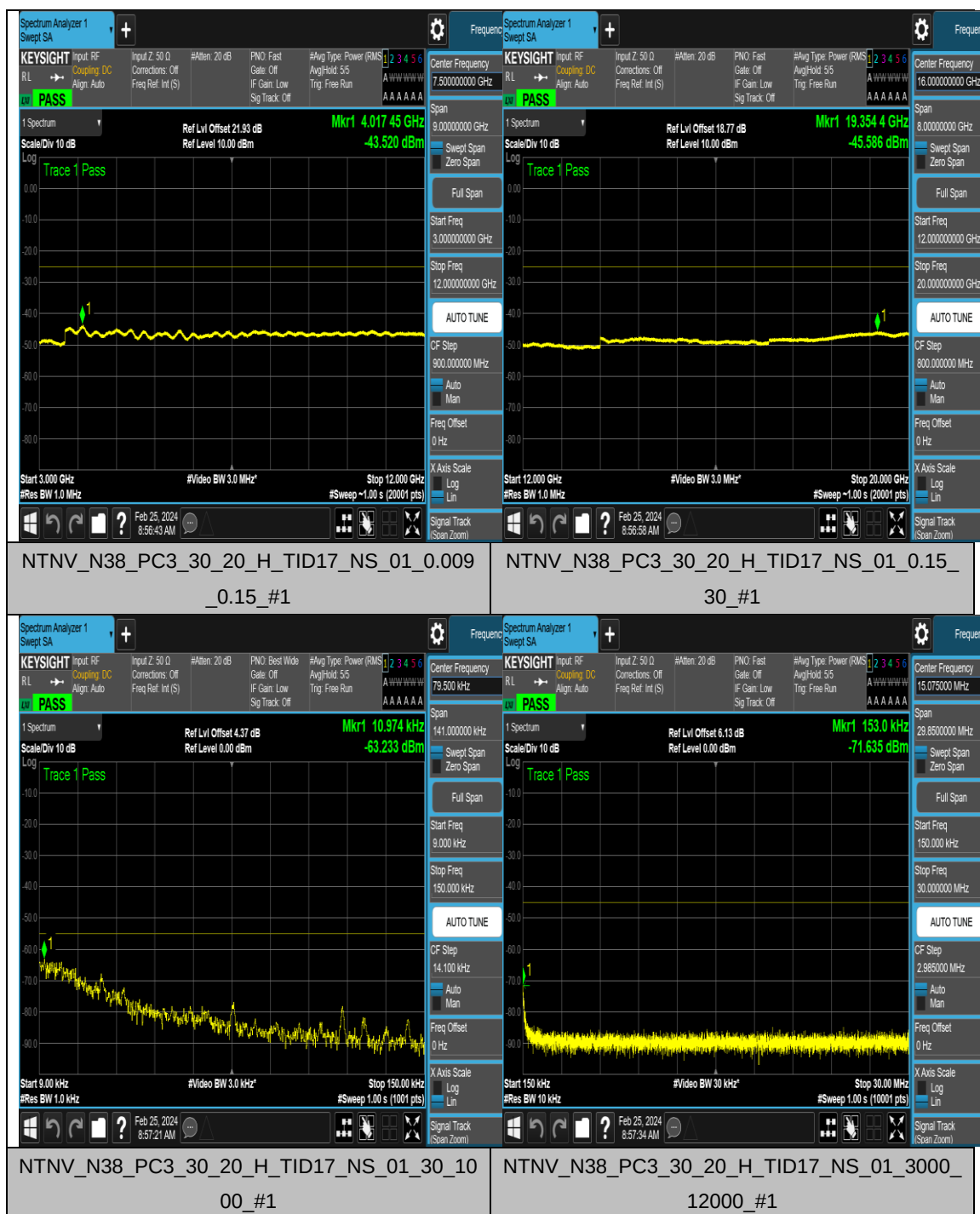


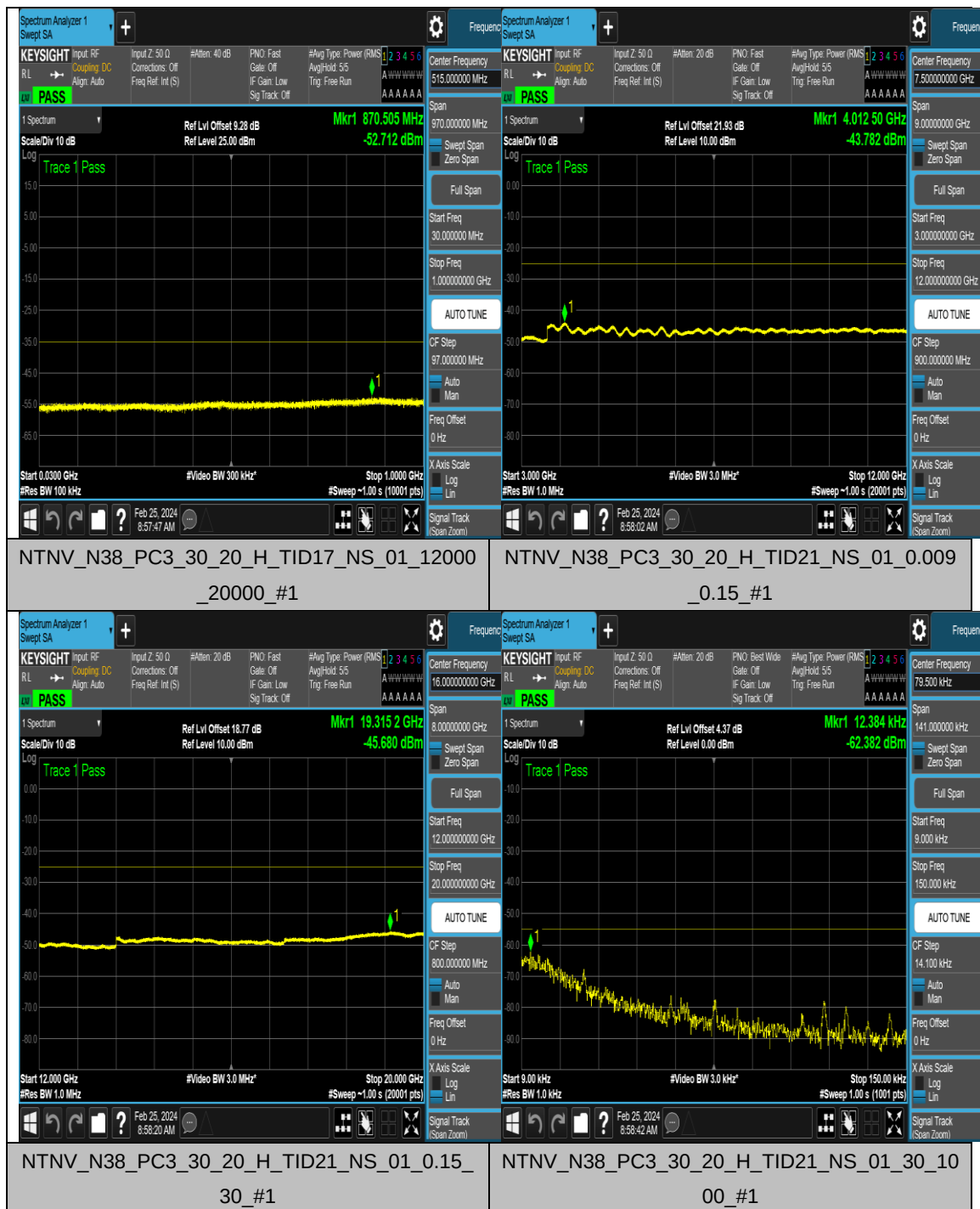




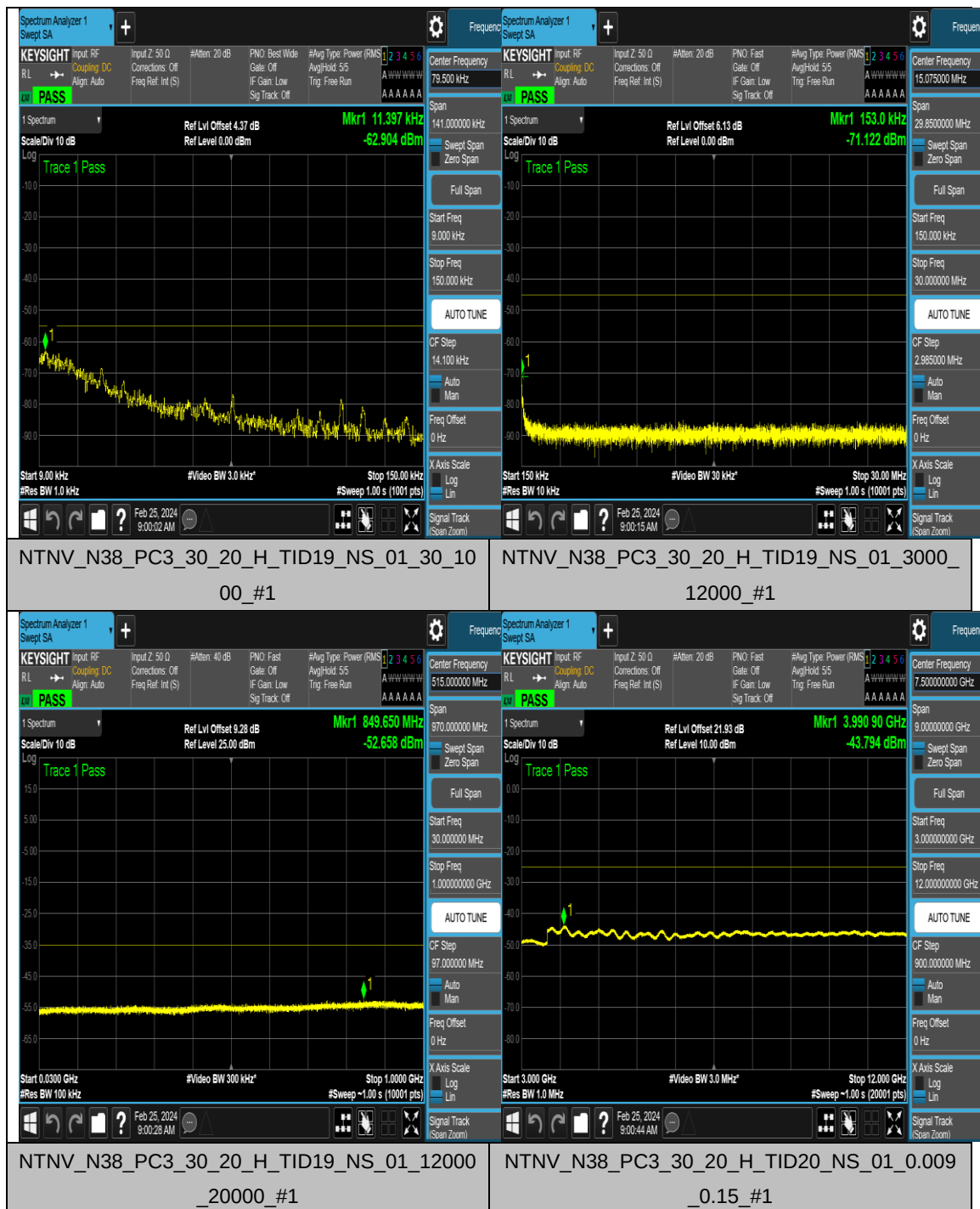


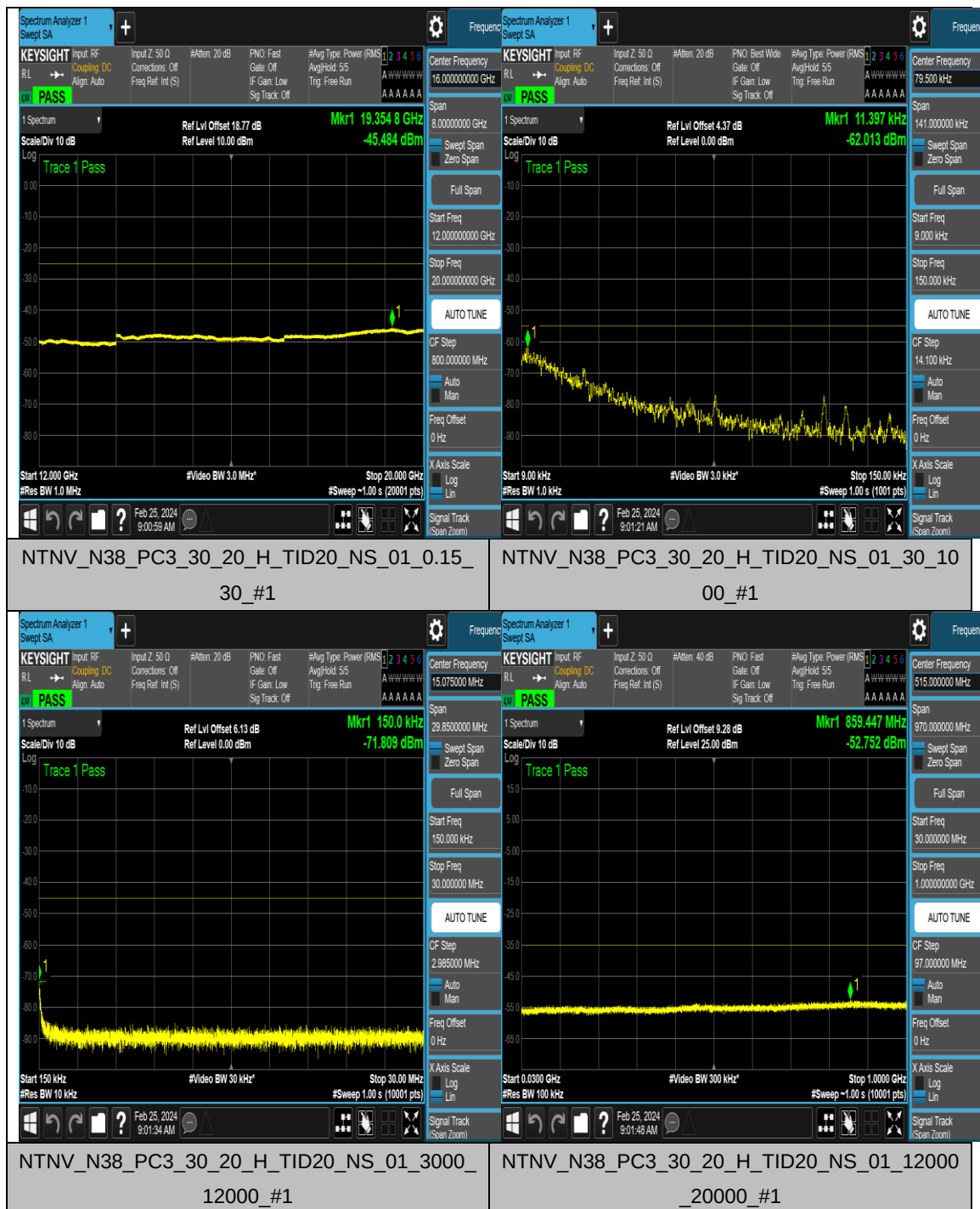


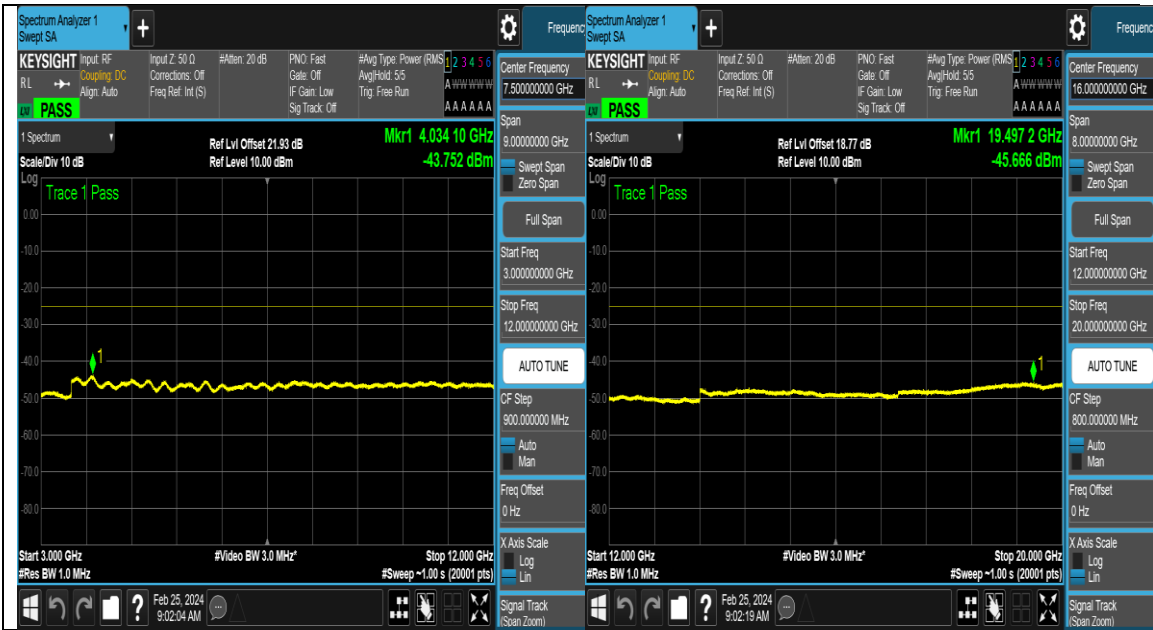












Appendix F: Frequency Stability for SA

Test Result

Frequency Error VS. Voltage

Voltage										
Band	SCS	Bandwidth	Modulation	Channel	RB Config	Voltage	Temperature	Deviation(Hz)	Deviation (ppm)	Verdict
N38	30	20	CP-QPSK	L	Outer_Full	VL	NT	-27.04	-0.01	PASS
N38	30	20	CP-QPSK	L	Outer_Full	VN	NT	-3.09	0.00	PASS
N38	30	20	CP-QPSK	L	Outer_Full	VH	NT	-7.97	0.00	PASS
N38	30	20	CP-16QAM	L	Outer_Full	VL	NT	-8.82	0.00	PASS
N38	30	20	CP-16QAM	L	Outer_Full	VN	NT	-25.55	-0.01	PASS
N38	30	20	CP-16QAM	L	Outer_Full	VH	NT	-18.53	-0.01	PASS
N38	30	20	CP-QPSK	M	Outer_Full	VL	NT	-11.06	0.00	PASS
N38	30	20	CP-QPSK	M	Outer_Full	VN	NT	-12.59	0.00	PASS
N38	30	20	CP-QPSK	M	Outer_Full	VH	NT	-8.70	0.00	PASS
N38	30	20	CP-16QAM	M	Outer_Full	VL	NT	-8.67	0.00	PASS
N38	30	20	CP-16QAM	M	Outer_Full	VN	NT	-10.99	0.00	PASS
N38	30	20	CP-16QAM	M	Outer_Full	VH	NT	-10.72	0.00	PASS
N38	30	20	CP-QPSK	H	Outer_Full	VL	NT	-25.46	-0.01	PASS
N38	30	20	CP-QPSK	H	Outer_Full	VN	NT	-8.19	0.00	PASS
N38	30	20	CP-QPSK	H	Outer_Full	VH	NT	-14.87	-0.01	PASS
N38	30	20	CP-16QAM	H	Outer_Full	VL	NT	-17.37	-0.01	PASS
N38	30	20	CP-16QAM	H	Outer_Full	VN	NT	-32.13	-0.01	PASS
N38	30	20	CP-16QAM	H	Outer_Full	VH	NT	-15.79	-0.01	PASS

Frequency Error VS. Temperature

Voltage										
Band	SCS	Bandwidth	Modulation	Channel	RB Config	Voltage	Temperature	Deviation(Hz)	Deviation (ppm)	Verdict
N38	30	20	CP-QPSK	L	Outer_Full	NV	-30	-2.129560	-0.000825	PASS
N38	30	20	CP-QPSK	L	Outer_Full	NV	-20	-11.961836	-0.004636	PASS
N38	30	20	CP-QPSK	L	Outer_Full	NV	-10	-17.866669	-0.006925	PASS
N38	30	20	CP-QPSK	L	Outer_Full	NV	0	-1.472449	-0.000571	PASS
N38	30	20	CP-QPSK	L	Outer_Full	NV	10	-18.658415	-0.007232	PASS
N38	30	20	CP-QPSK	L	Outer_Full	NV	20	-20.422049	-0.007916	PASS
N38	30	20	CP-QPSK	L	Outer_Full	NV	30	-20.712173	-0.008028	PASS
N38	30	20	CP-QPSK	L	Outer_Full	NV	40	-16.693745	-0.006470	PASS

N38	30	20	CP-QPSK	L	Outer_Full	NV	50	-14.185355	-0.005498	PASS
N38	30	20	CP-16QAM	L	Outer_Full	NV	-30	-10.627545	-0.004119	PASS
N38	30	20	CP-16QAM	L	Outer_Full	NV	-20	-21.752262	-0.008431	PASS
N38	30	20	CP-16QAM	L	Outer_Full	NV	-10	-15.969647	-0.006190	PASS
N38	30	20	CP-16QAM	L	Outer_Full	NV	0	-27.587887	-0.010693	PASS
N38	30	20	CP-16QAM	L	Outer_Full	NV	10	-22.224171	-0.008614	PASS
N38	30	20	CP-16QAM	L	Outer_Full	NV	20	-15.740168	-0.006101	PASS
N38	30	20	CP-16QAM	L	Outer_Full	NV	30	-6.095683	-0.002363	PASS
N38	30	20	CP-16QAM	L	Outer_Full	NV	40	-19.582516	-0.007590	PASS
N38	30	20	CP-16QAM	L	Outer_Full	NV	50	-14.014595	-0.005432	PASS
N38	30	20	CP-QPSK	M	Outer_Full	NV	-30	-18.155413	-0.006996	PASS
N38	30	20	CP-QPSK	M	Outer_Full	NV	-20	-16.833561	-0.006487	PASS
N38	30	20	CP-QPSK	M	Outer_Full	NV	-10	-15.958676	-0.006150	PASS
N38	30	20	CP-QPSK	M	Outer_Full	NV	0	-7.085920	-0.002731	PASS
N38	30	20	CP-QPSK	M	Outer_Full	NV	10	-18.068039	-0.006963	PASS
N38	30	20	CP-QPSK	M	Outer_Full	NV	20	-28.098906	-0.010828	PASS
N38	30	20	CP-QPSK	M	Outer_Full	NV	30	-14.006927	-0.005398	PASS
N38	30	20	CP-QPSK	M	Outer_Full	NV	40	-18.816822	-0.007251	PASS
N38	30	20	CP-QPSK	M	Outer_Full	NV	50	-25.578487	-0.009857	PASS
N38	30	20	CP-16QAM	M	Outer_Full	NV	-30	-15.580674	-0.006004	PASS
N38	30	20	CP-16QAM	M	Outer_Full	NV	-20	-16.907888	-0.006516	PASS
N38	30	20	CP-16QAM	M	Outer_Full	NV	-10	-22.114416	-0.008522	PASS
N38	30	20	CP-16QAM	M	Outer_Full	NV	0	-21.389856	-0.008243	PASS
N38	30	20	CP-16QAM	M	Outer_Full	NV	10	-21.131479	-0.008143	PASS
N38	30	20	CP-16QAM	M	Outer_Full	NV	20	-22.925846	-0.008835	PASS
N38	30	20	CP-16QAM	M	Outer_Full	NV	30	-22.936020	-0.008839	PASS
N38	30	20	CP-16QAM	M	Outer_Full	NV	40	-22.709669	-0.008751	PASS
N38	30	20	CP-16QAM	M	Outer_Full	NV	50	-17.652678	-0.006803	PASS
N38	30	20	CP-QPSK	H	Outer_Full	NV	-30	-11.812049	-0.004526	PASS
N38	30	20	CP-QPSK	H	Outer_Full	NV	-20	-16.295811	-0.006244	PASS
N38	30	20	CP-QPSK	H	Outer_Full	NV	-10	-18.509134	-0.007092	PASS
N38	30	20	CP-QPSK	H	Outer_Full	NV	0	-15.499405	-0.005938	PASS
N38	30	20	CP-QPSK	H	Outer_Full	NV	10	-14.735214	-0.005646	PASS
N38	30	20	CP-QPSK	H	Outer_Full	NV	20	-9.812022	-0.003759	PASS
N38	30	20	CP-QPSK	H	Outer_Full	NV	30	-24.666176	-0.009451	PASS
N38	30	20	CP-QPSK	H	Outer_Full	NV	40	-16.287987	-0.006241	PASS
N38	30	20	CP-QPSK	H	Outer_Full	NV	50	-24.080088	-0.009226	PASS
N38	30	20	CP-16QAM	H	Outer_Full	NV	-30	-25.355398	-0.009715	PASS
N38	30	20	CP-16QAM	H	Outer_Full	NV	-20	-34.559189	-0.013241	PASS
N38	30	20	CP-16QAM	H	Outer_Full	NV	-10	-17.799654	-0.006820	PASS
N38	30	20	CP-16QAM	H	Outer_Full	NV	0	-29.216410	-0.011194	PASS

N38	30	20	CP-16QAM	H	Outer_Full	NV	10	-13.049763	-0.005000	PASS
N38	30	20	CP-16QAM	H	Outer_Full	NV	20	-23.034418	-0.008825	PASS
N38	30	20	CP-16QAM	H	Outer_Full	NV	30	-29.010866	-0.011115	PASS
N38	30	20	CP-16QAM	H	Outer_Full	NV	40	-13.655253	-0.005232	PASS
N38	30	20	CP-16QAM	H	Outer_Full	NV	50	-19.977467	-0.007654	PASS