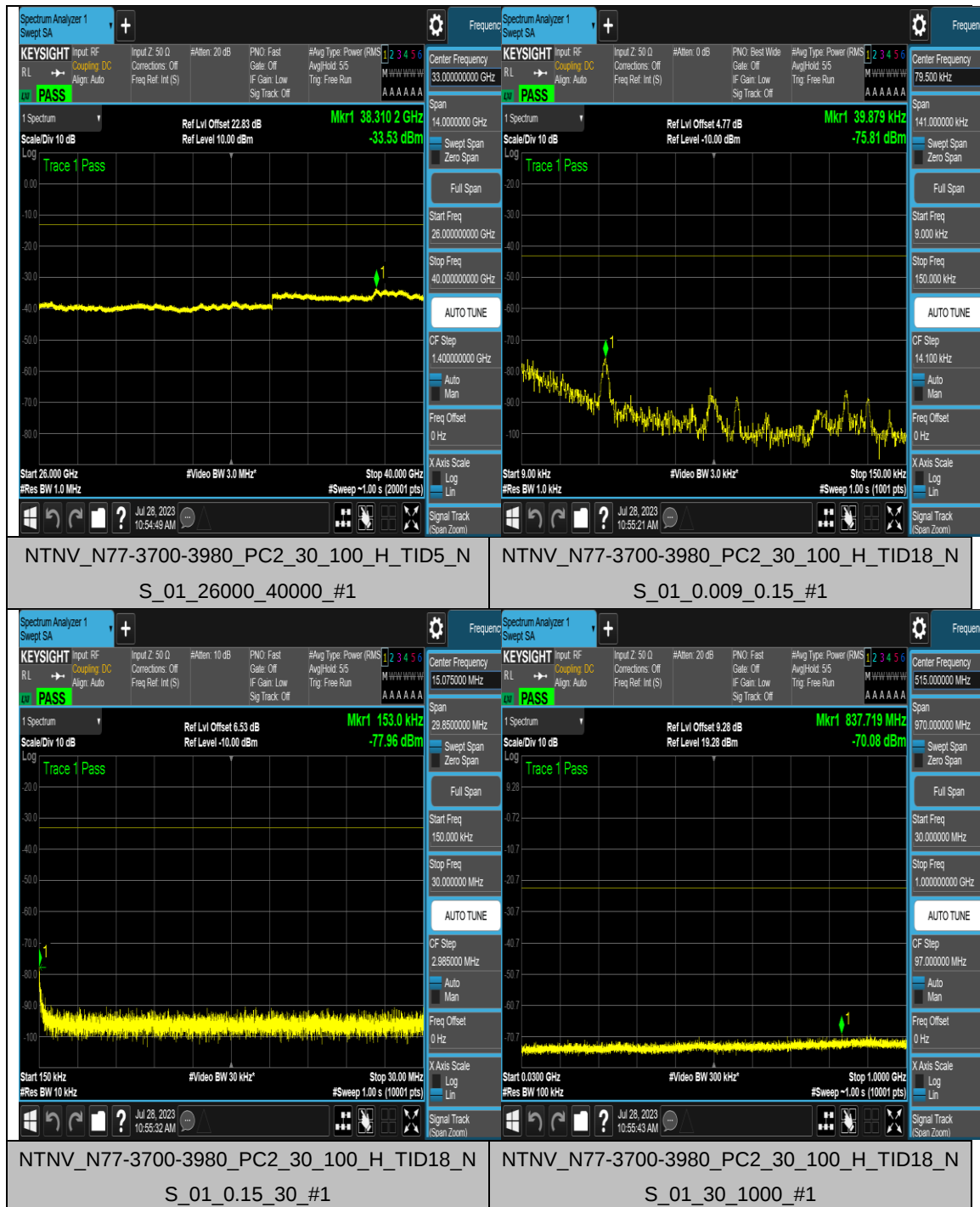
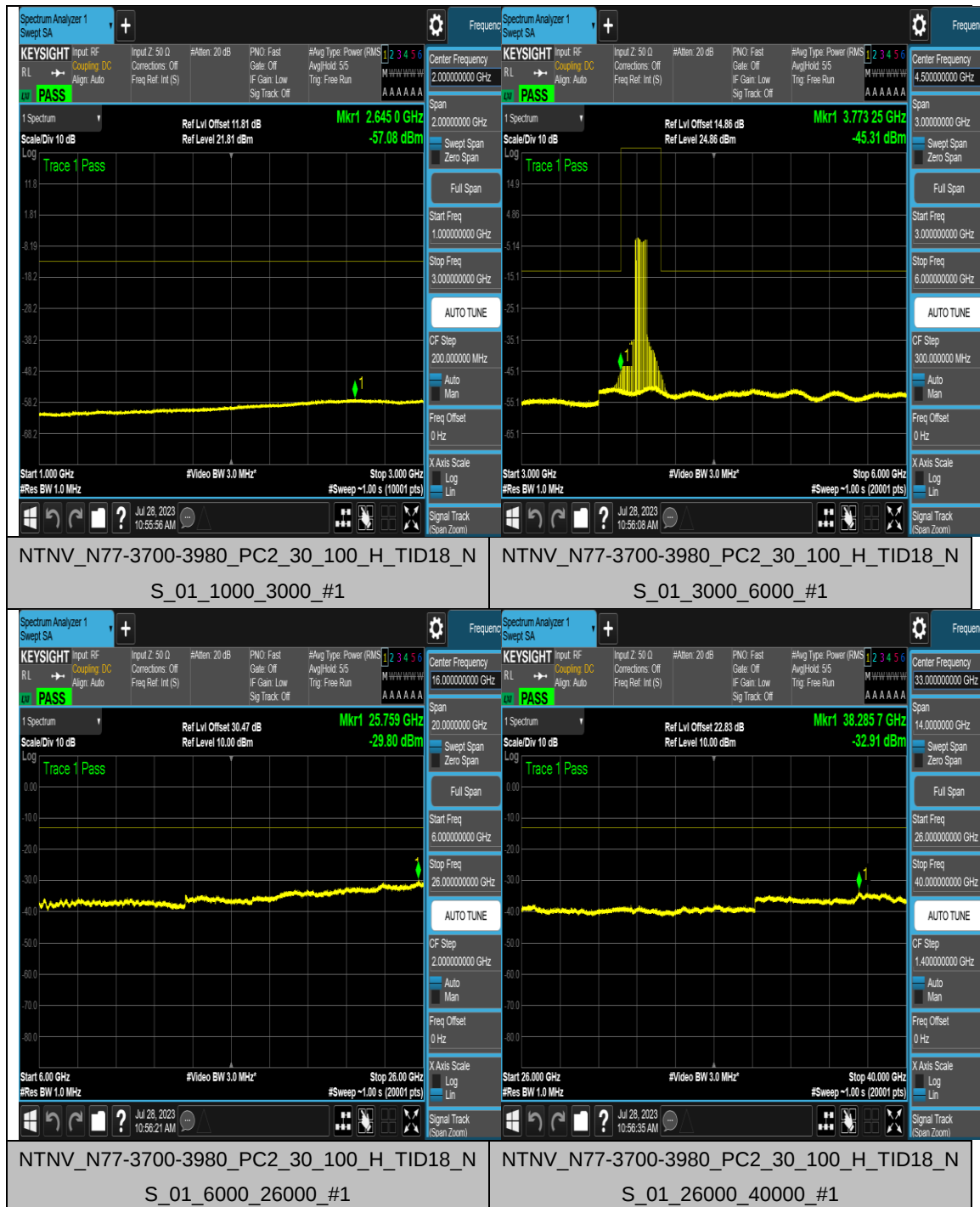
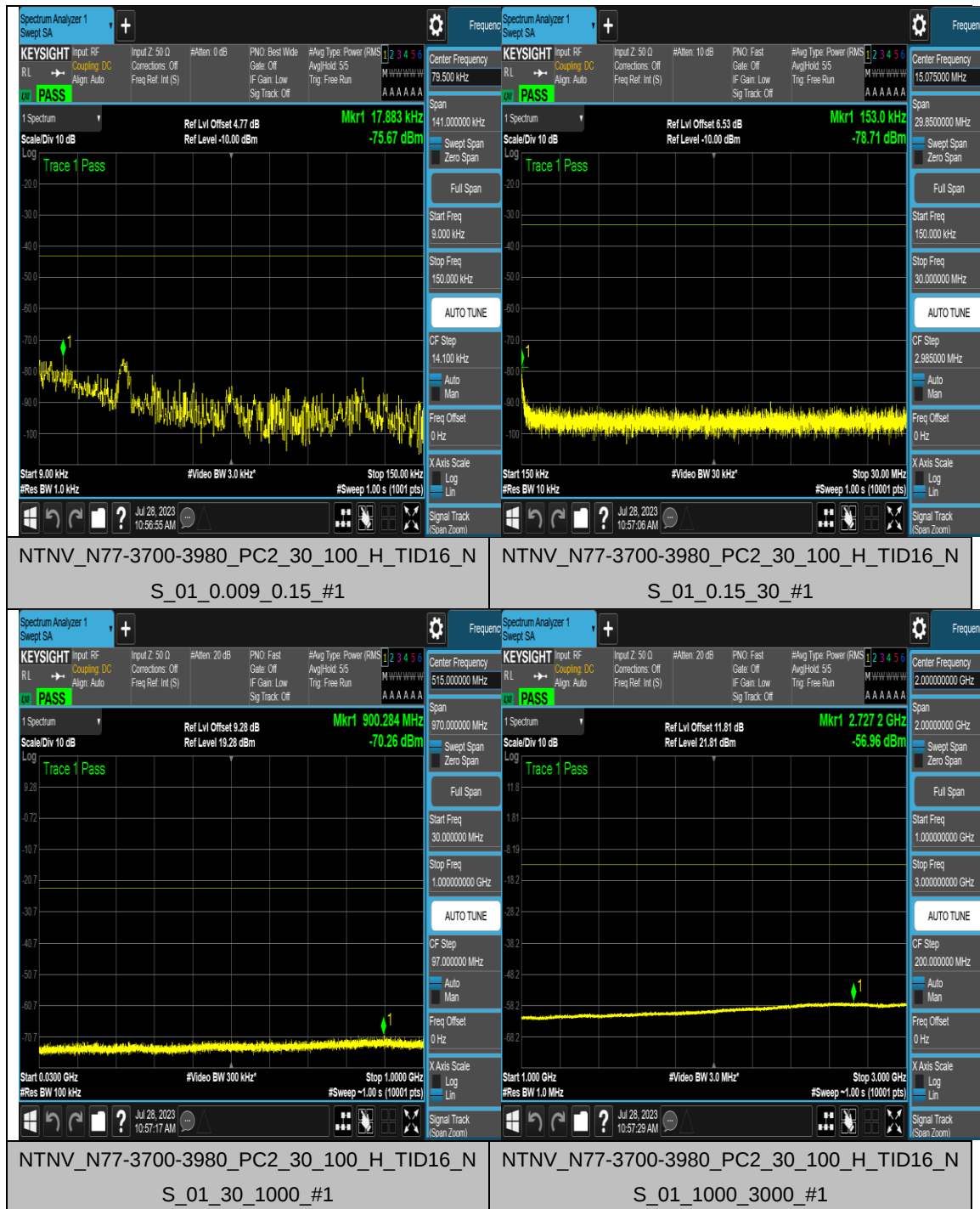
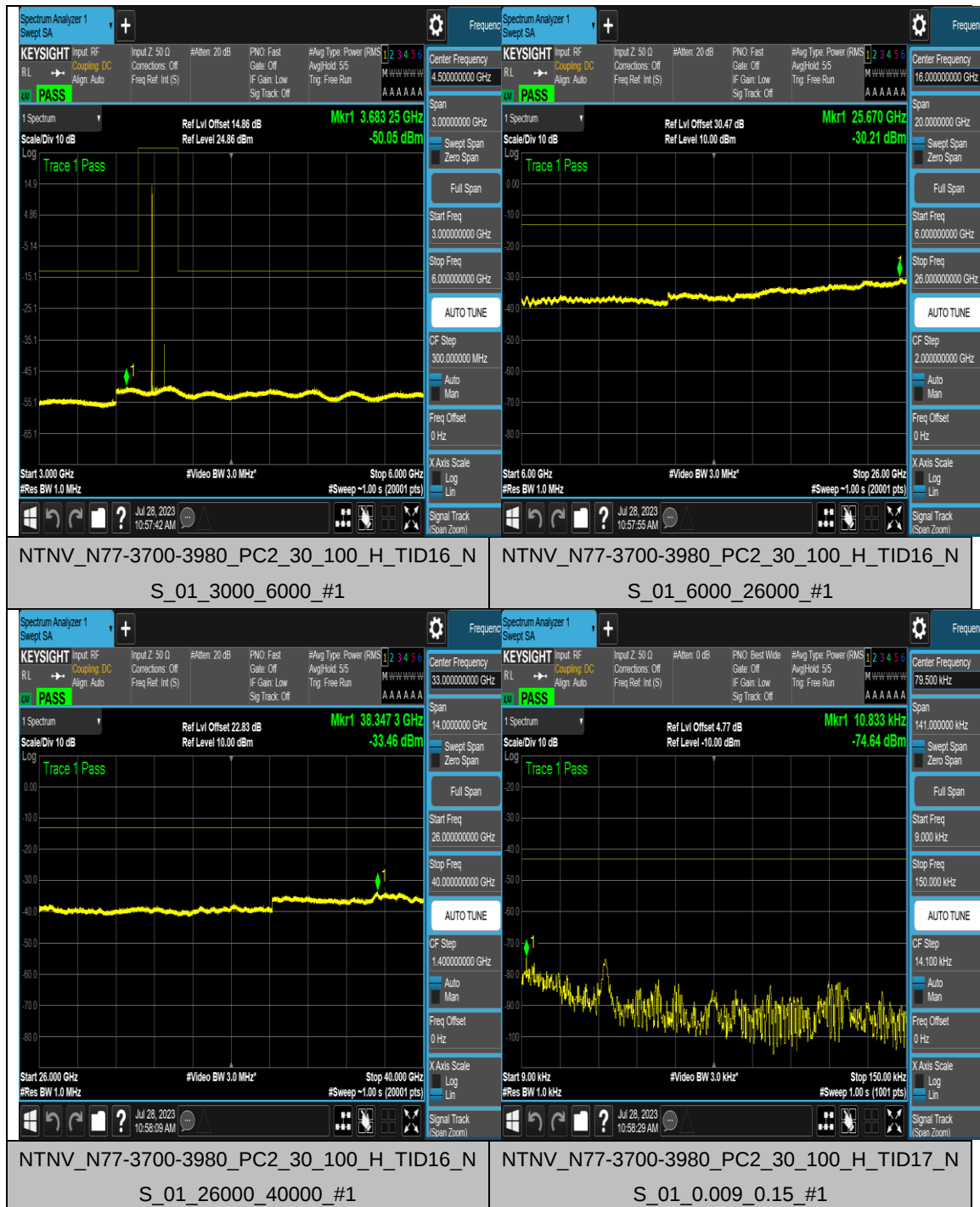


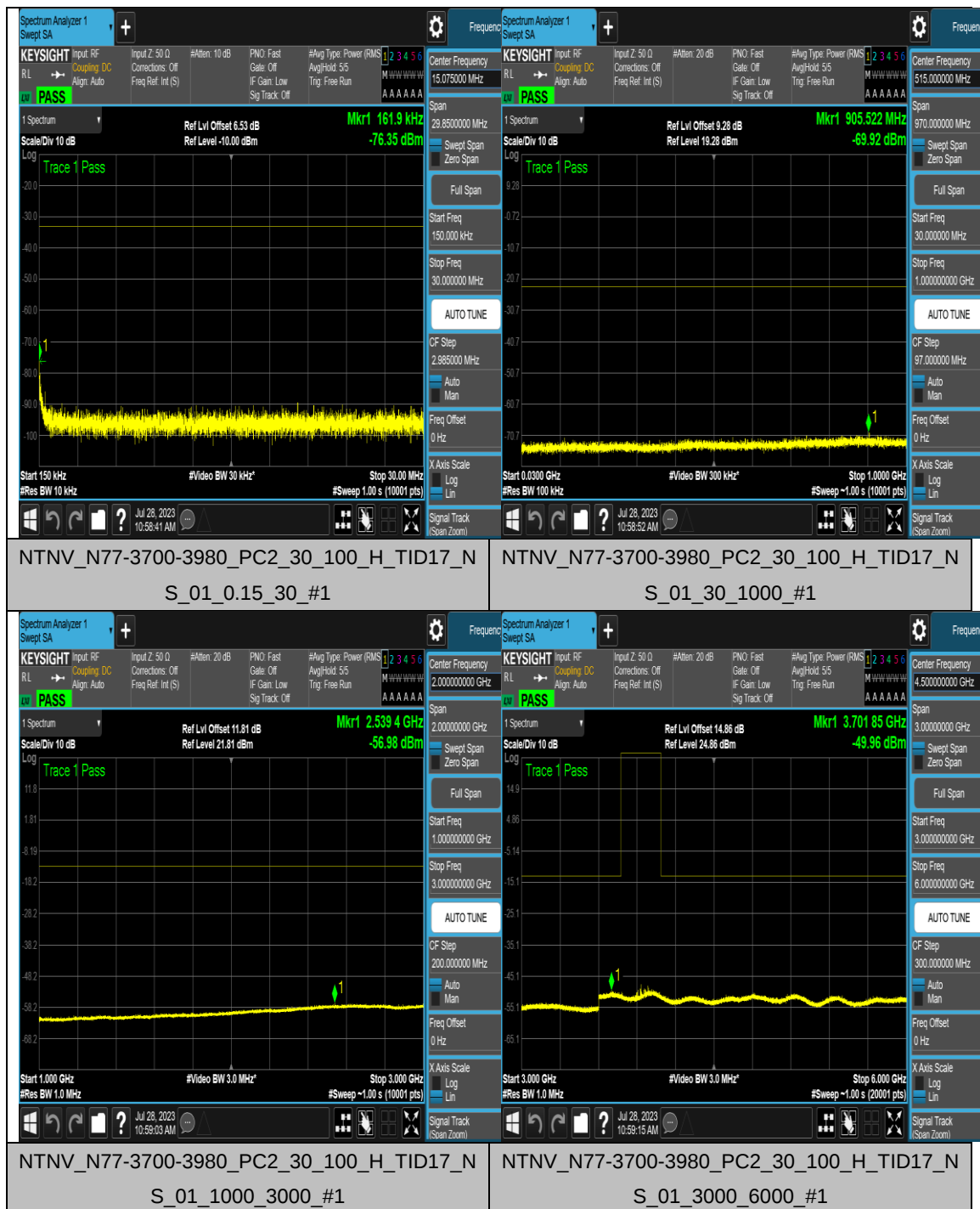


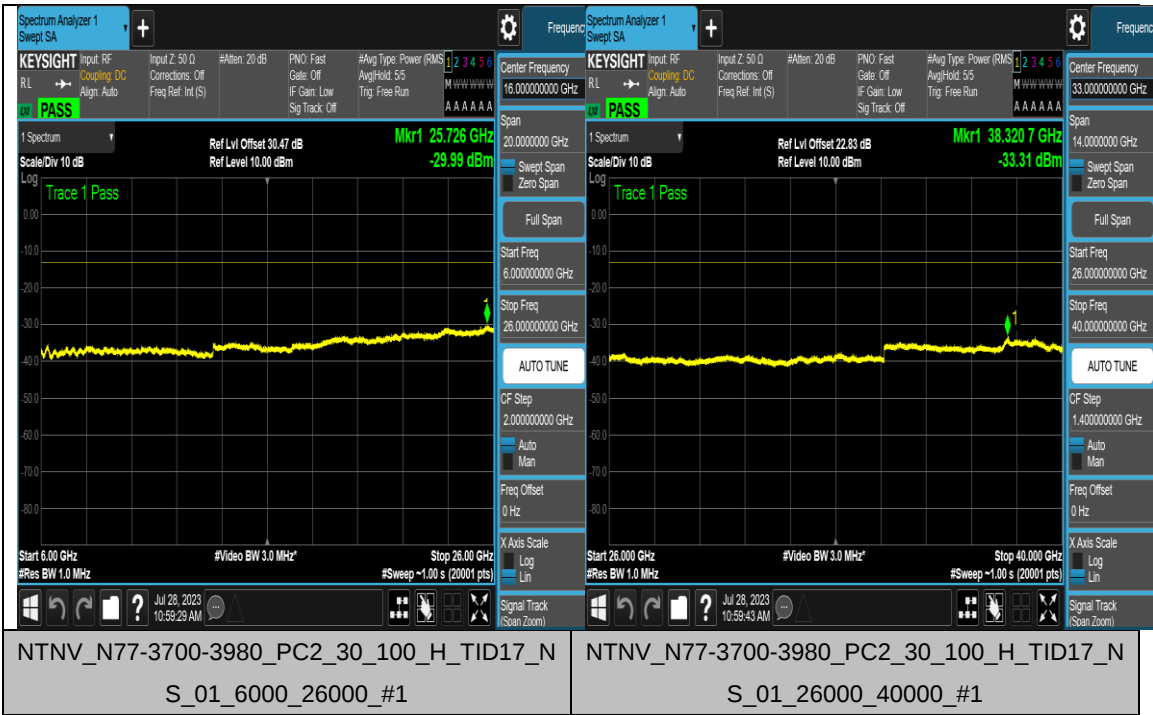












Appendix F: Frequency Stability for SA

Test Result

Frequency Error VS. Voltage

Voltage										
Band	SCS	Bandwidth	Modulation	Channel	RB Config	Voltage	Temperature	Deviation(Hz)	Deviation (ppm)	Verdict
N77-370 0-3980	30	100	DFT-QPSK	L	Outer_Full	VL	NT	-3.64	0.00	PASS
N77-370 0-3980	30	100	DFT-QPSK	L	Outer_Full	VN	NT	-0.82	0.00	PASS
N77-370 0-3980	30	100	DFT-QPSK	L	Outer_Full	VH	NT	-5.57	0.00	PASS
N77-370 0-3980	30	100	CP-QPSK	L	Outer_Full	VL	NT	-2.77	0.00	PASS
N77-370 0-3980	30	100	CP-QPSK	L	Outer_Full	VN	NT	-8.93	0.00	PASS
N77-370 0-3980	30	100	CP-QPSK	L	Outer_Full	VH	NT	-0.26	0.00	PASS
N77-370 0-3980	30	100	DFT-QPSK	M	Outer_Full	VL	NT	-3.47	0.00	PASS
N77-370 0-3980	30	100	DFT-QPSK	M	Outer_Full	VN	NT	9.79	0.00	PASS
N77-370 0-3980	30	100	DFT-QPSK	M	Outer_Full	VH	NT	-12.16	0.00	PASS
N77-370 0-3980	30	100	CP-QPSK	M	Outer_Full	VL	NT	3.24	0.00	PASS
N77-370 0-3980	30	100	CP-QPSK	M	Outer_Full	VN	NT	1.28	0.00	PASS
N77-370 0-3980	30	100	CP-QPSK	M	Outer_Full	VH	NT	9.50	0.00	PASS
N77-370 0-3980	30	100	DFT-QPSK	H	Outer_Full	VL	NT	-14.60	0.00	PASS
N77-370 0-3980	30	100	DFT-QPSK	H	Outer_Full	VN	NT	6.60	0.00	PASS
N77-370 0-3980	30	100	DFT-QPSK	H	Outer_Full	VH	NT	-6.53	0.00	PASS
N77-370 0-3980	30	100	CP-QPSK	H	Outer_Full	VL	NT	-7.13	0.00	PASS
N77-370	30	100	CP-QPSK	H	Outer_Full	VN	NT	-7.64	0.00	PASS

0-3980										
N77-370 0-3980	30	100	CP-QPSK	H	Outer_Full	VH	NT	-19.33	0.00	PASS

Frequency Error VS. Temperature

Voltage										
Band	SCS	Bandwidth	Modulation	Channel	RB Config	Voltage	Temperature	Deviation(Hz)	Deviation (ppm)	Verdict
N77-370 0-3980	30	100	DFT-QPSK	L	Outer_Full	NV	-30	-0.835533	-0.000223	PASS
N77-370 0-3980	30	100	DFT-QPSK	L	Outer_Full	NV	-20	0.785099	0.000209	PASS
N77-370 0-3980	30	100	DFT-QPSK	L	Outer_Full	NV	-10	3.275596	0.000873	PASS
N77-370 0-3980	30	100	DFT-QPSK	L	Outer_Full	NV	0	5.265640	0.001404	PASS
N77-370 0-3980	30	100	DFT-QPSK	L	Outer_Full	NV	10	3.697765	0.000986	PASS
N77-370 0-3980	30	100	DFT-QPSK	L	Outer_Full	NV	20	-8.244035	-0.002198	PASS
N77-370 0-3980	30	100	DFT-QPSK	L	Outer_Full	NV	30	-0.538257	-0.000144	PASS
N77-370 0-3980	30	100	DFT-QPSK	L	Outer_Full	NV	40	-2.078636	-0.000554	PASS
N77-370 0-3980	30	100	DFT-QPSK	L	Outer_Full	NV	50	-0.158939	-0.000042	PASS
N77-370 0-3980	30	100	CP-QPSK	L	Outer_Full	NV	-30	2.289112	0.000610	PASS
N77-370 0-3980	30	100	CP-QPSK	L	Outer_Full	NV	-20	-2.530471	-0.000675	PASS
N77-370 0-3980	30	100	CP-QPSK	L	Outer_Full	NV	-10	-7.573061	-0.002019	PASS
N77-370 0-3980	30	100	CP-QPSK	L	Outer_Full	NV	0	3.746589	0.000999	PASS
N77-370 0-3980	30	100	CP-QPSK	L	Outer_Full	NV	10	2.301677	0.000614	PASS
N77-370 0-3980	30	100	CP-QPSK	L	Outer_Full	NV	20	3.415848	0.000911	PASS
N77-370 0-3980	30	100	CP-QPSK	L	Outer_Full	NV	30	10.410516	0.002776	PASS

N77-370 0-3980	30	100	CP-QPSK	L	Outer_Full	NV	40	-5.599664	-0.001493	PASS
N77-370 0-3980	30	100	CP-QPSK	L	Outer_Full	NV	50	-10.693220	-0.002852	PASS
N77-370 0-3980	30	100	DFT-QPSK	M	Outer_Full	NV	-30	-2.776767	-0.000723	PASS
N77-370 0-3980	30	100	DFT-QPSK	M	Outer_Full	NV	-20	-11.370601	-0.002961	PASS
N77-370 0-3980	30	100	DFT-QPSK	M	Outer_Full	NV	-10	0.590045	0.000154	PASS
N77-370 0-3980	30	100	DFT-QPSK	M	Outer_Full	NV	0	5.074972	0.001322	PASS
N77-370 0-3980	30	100	DFT-QPSK	M	Outer_Full	NV	10	-4.304843	-0.001121	PASS
N77-370 0-3980	30	100	DFT-QPSK	M	Outer_Full	NV	20	-2.285830	-0.000595	PASS
N77-370 0-3980	30	100	DFT-QPSK	M	Outer_Full	NV	30	4.259842	0.001109	PASS
N77-370 0-3980	30	100	DFT-QPSK	M	Outer_Full	NV	40	2.775508	0.000723	PASS
N77-370 0-3980	30	100	DFT-QPSK	M	Outer_Full	NV	50	7.748718	0.002018	PASS
N77-370 0-3980	30	100	CP-QPSK	M	Outer_Full	NV	-30	5.964956	0.001553	PASS
N77-370 0-3980	30	100	CP-QPSK	M	Outer_Full	NV	-20	-4.196448	-0.001093	PASS
N77-370 0-3980	30	100	CP-QPSK	M	Outer_Full	NV	-10	-4.115485	-0.001072	PASS
N77-370 0-3980	30	100	CP-QPSK	M	Outer_Full	NV	0	-5.626961	-0.001465	PASS
N77-370 0-3980	30	100	CP-QPSK	M	Outer_Full	NV	10	5.263906	0.001371	PASS
N77-370 0-3980	30	100	CP-QPSK	M	Outer_Full	NV	20	11.169833	0.002909	PASS
N77-370 0-3980	30	100	CP-QPSK	M	Outer_Full	NV	30	2.791793	0.000727	PASS
N77-370 0-3980	30	100	CP-QPSK	M	Outer_Full	NV	40	14.386214	0.003746	PASS
N77-370 0-3980	30	100	CP-QPSK	M	Outer_Full	NV	50	-7.046239	-0.001835	PASS
N77-370 0-3980	30	100	DFT-QPSK	H	Outer_Full	NV	-30	-1.820527	-0.000463	PASS

N77-370 0-3980	30	100	DFT-QPSK	H	Outer_Full	NV	-20	-24.632523	-0.006268	PASS
N77-370 0-3980	30	100	DFT-QPSK	H	Outer_Full	NV	-10	-3.667800	-0.000933	PASS
N77-370 0-3980	30	100	DFT-QPSK	H	Outer_Full	NV	0	-2.797795	-0.000712	PASS
N77-370 0-3980	30	100	DFT-QPSK	H	Outer_Full	NV	10	-4.670930	-0.001189	PASS
N77-370 0-3980	30	100	DFT-QPSK	H	Outer_Full	NV	20	4.005404	0.001019	PASS
N77-370 0-3980	30	100	DFT-QPSK	H	Outer_Full	NV	30	7.836030	0.001994	PASS
N77-370 0-3980	30	100	DFT-QPSK	H	Outer_Full	NV	40	-4.754951	-0.001210	PASS
N77-370 0-3980	30	100	DFT-QPSK	H	Outer_Full	NV	50	-12.297827	-0.003129	PASS
N77-370 0-3980	30	100	CP-QPSK	H	Outer_Full	NV	-30	0.664440	0.000169	PASS
N77-370 0-3980	30	100	CP-QPSK	H	Outer_Full	NV	-20	-9.294487	-0.002365	PASS
N77-370 0-3980	30	100	CP-QPSK	H	Outer_Full	NV	-10	-17.403988	-0.004429	PASS
N77-370 0-3980	30	100	CP-QPSK	H	Outer_Full	NV	0	-6.193289	-0.001576	PASS
N77-370 0-3980	30	100	CP-QPSK	H	Outer_Full	NV	10	2.809347	0.000715	PASS
N77-370 0-3980	30	100	CP-QPSK	H	Outer_Full	NV	20	-14.803687	-0.003767	PASS
N77-370 0-3980	30	100	CP-QPSK	H	Outer_Full	NV	30	-14.261305	-0.003629	PASS
N77-370 0-3980	30	100	CP-QPSK	H	Outer_Full	NV	40	-8.470902	-0.002155	PASS
N77-370 0-3980	30	100	CP-QPSK	H	Outer_Full	NV	50	-11.398089	-0.002900	PASS

Appendix F: Modulation characteristics for SA

Test Result

Band	SCS	Bandwidth	Modulation	Channel	RB Config	Result	Verdict
N77-3700-3980	30	100	DFT-QPSK	L	Outer_Full	see graph	PASS
N77-3700-3980	30	100	CP-QPSK	L	Outer_Full	see graph	PASS
N77-3700-3980	30	100	DFT-QPSK	M	Outer_Full	see graph	PASS
N77-3700-3980	30	100	CP-QPSK	M	Outer_Full	see graph	PASS
N77-3700-3980	30	100	DFT-QPSK	H	Outer_Full	see graph	PASS
N77-3700-3980	30	100	CP-QPSK	H	Outer_Full	see graph	PASS

Test Graphs

