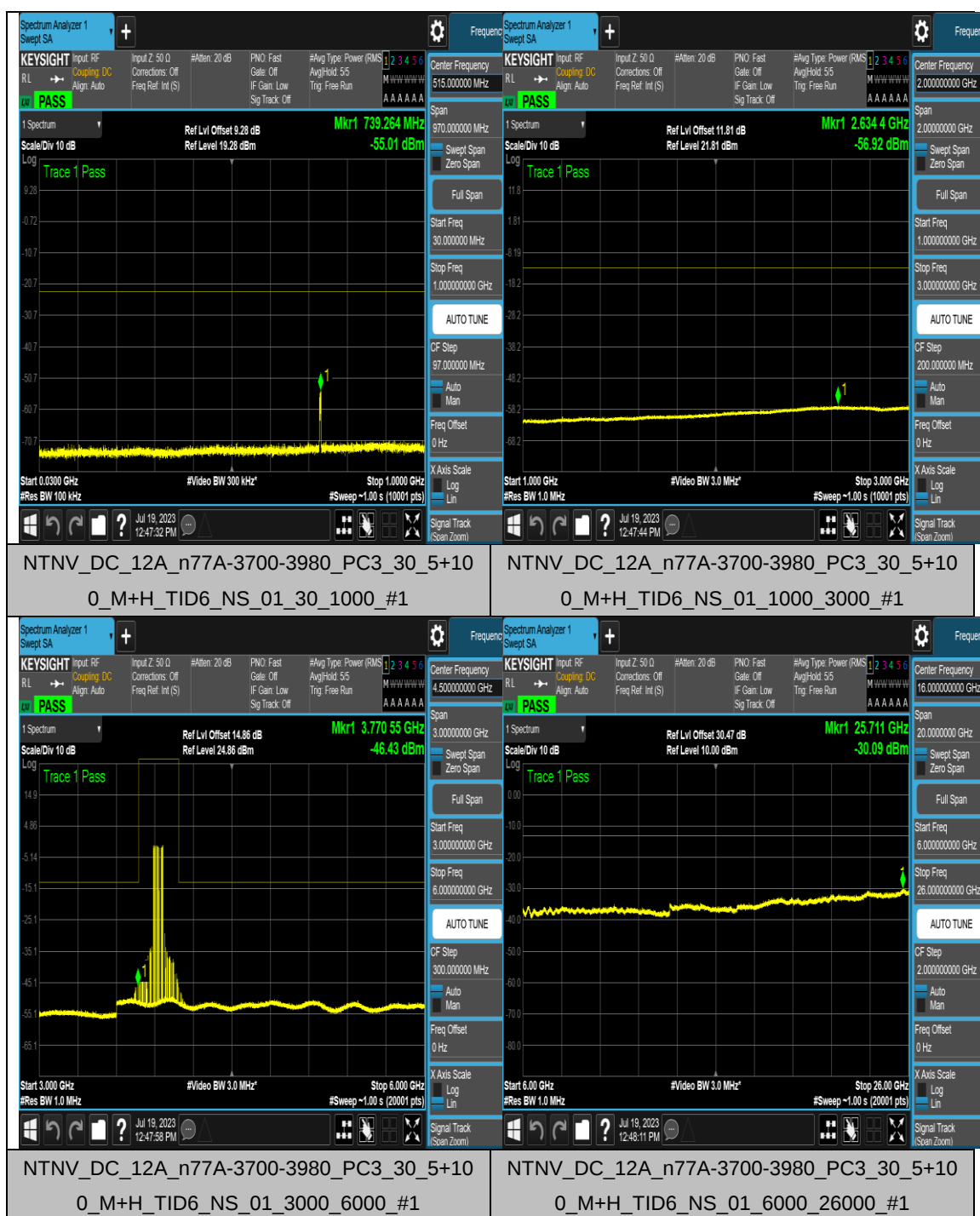
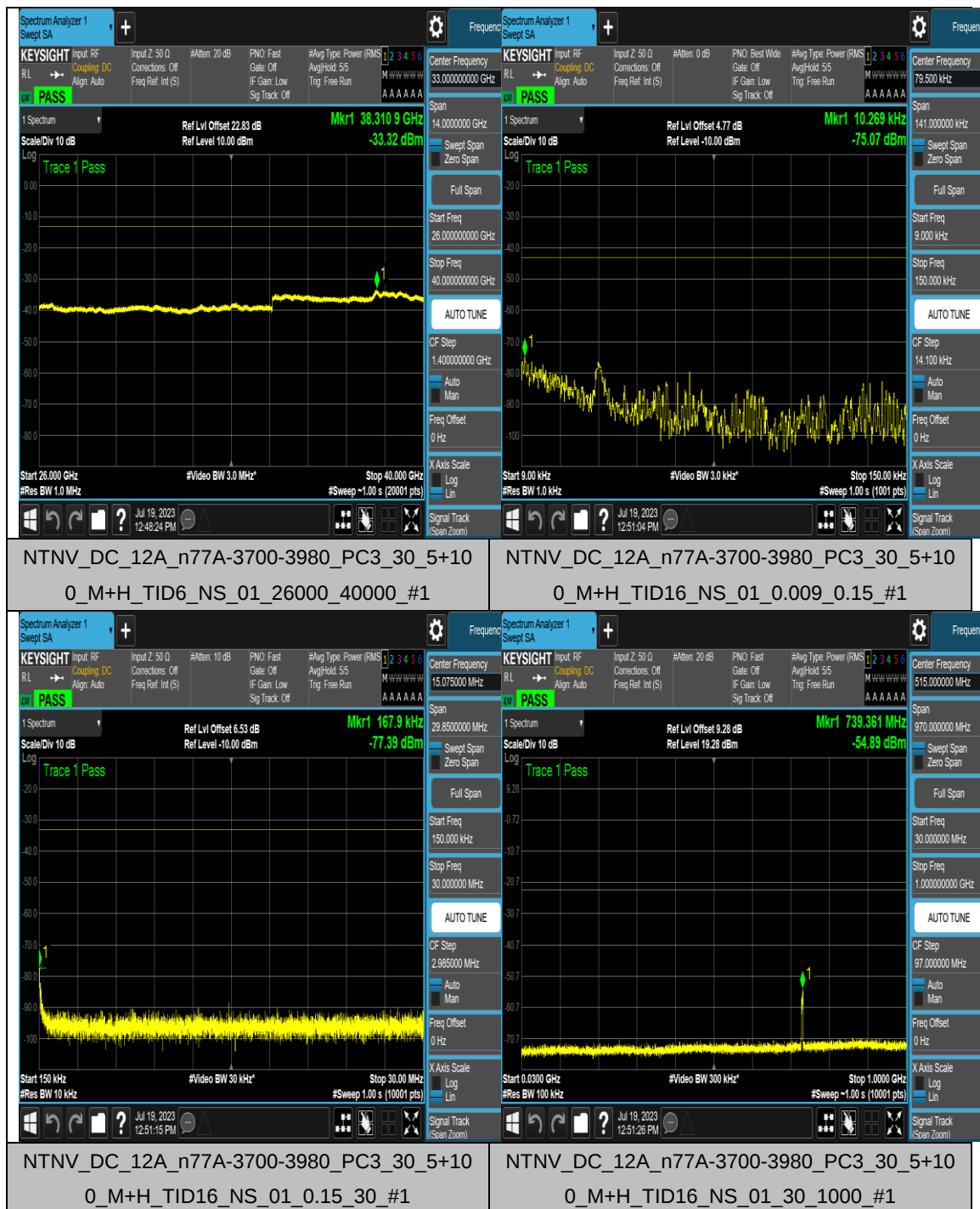
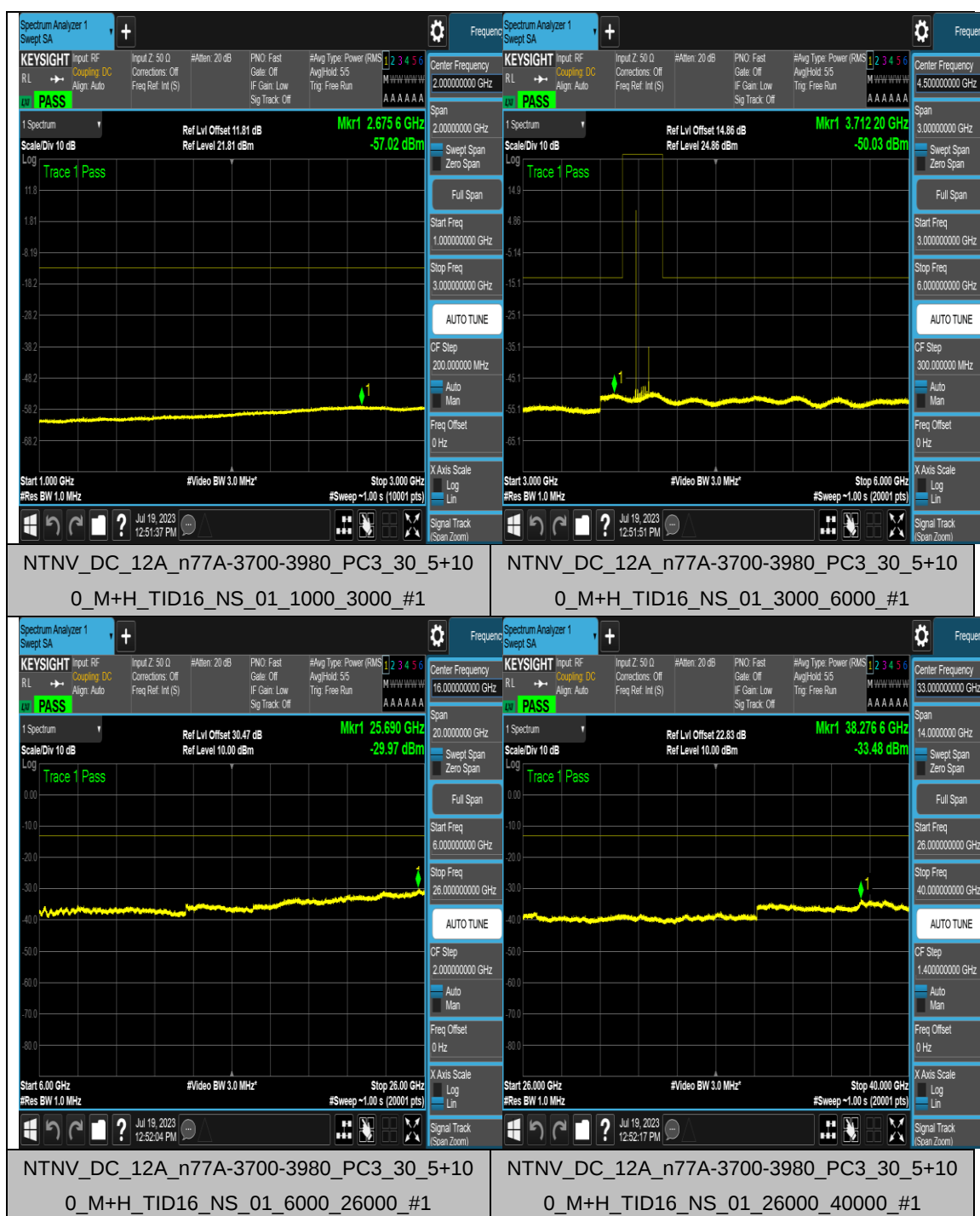
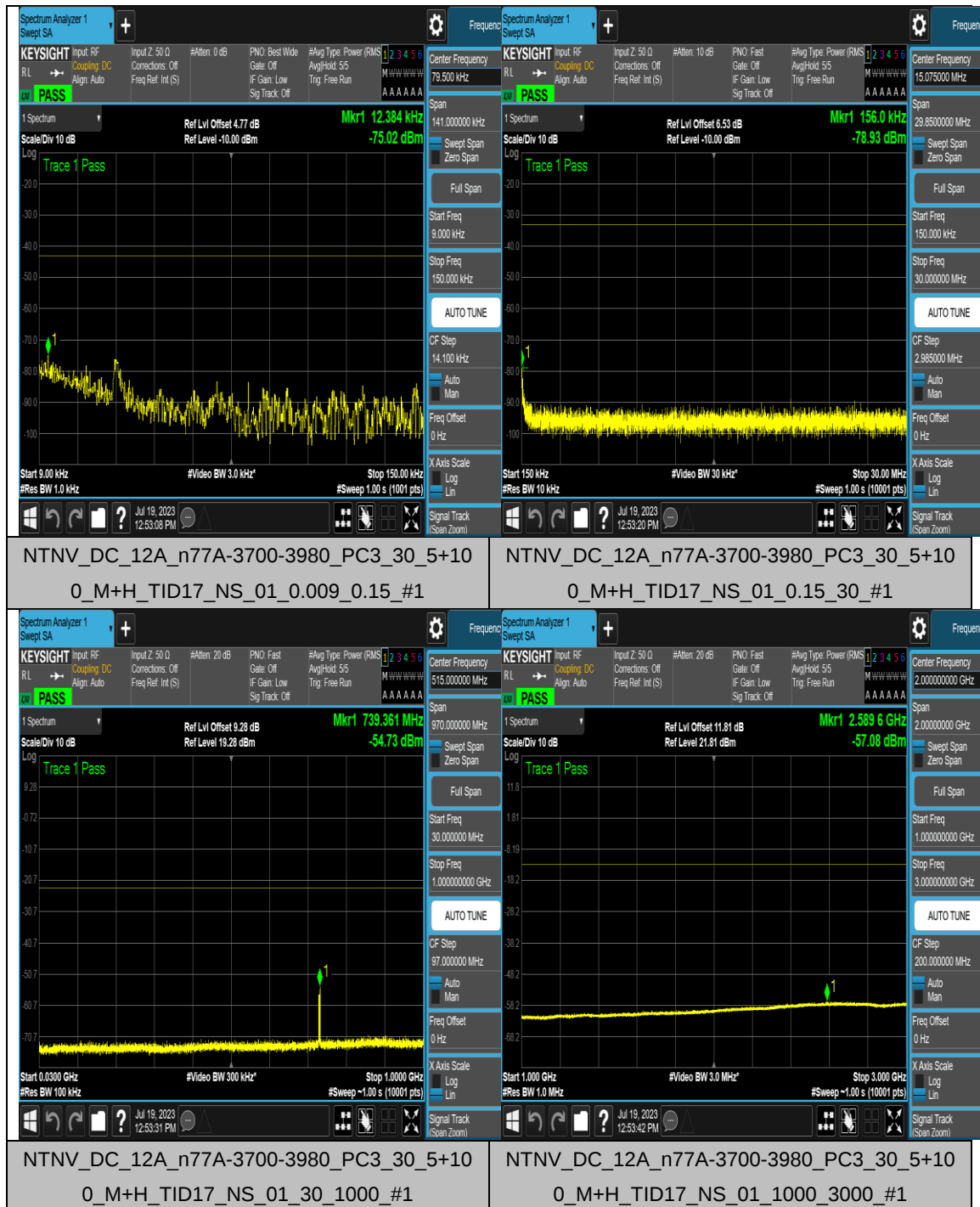
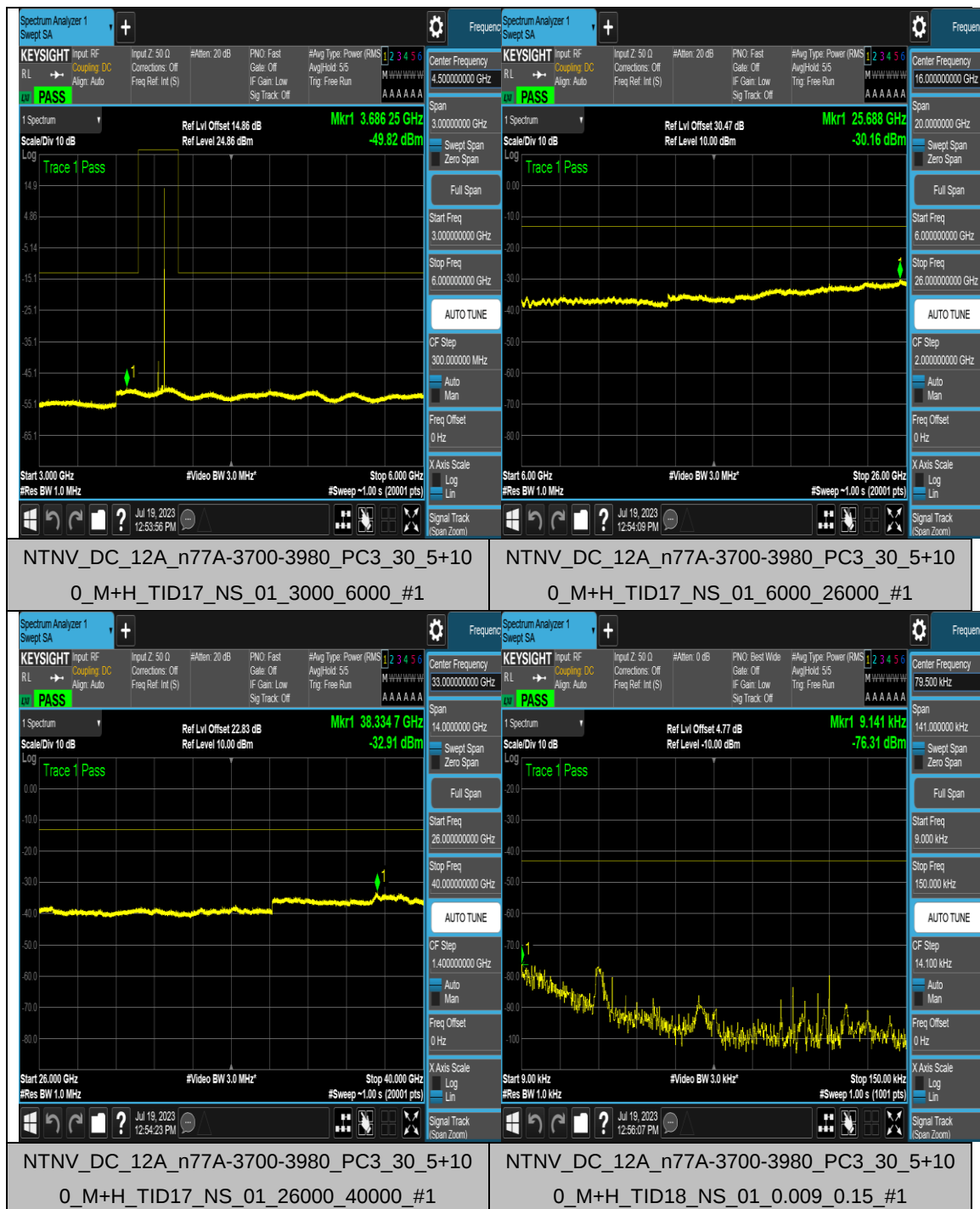


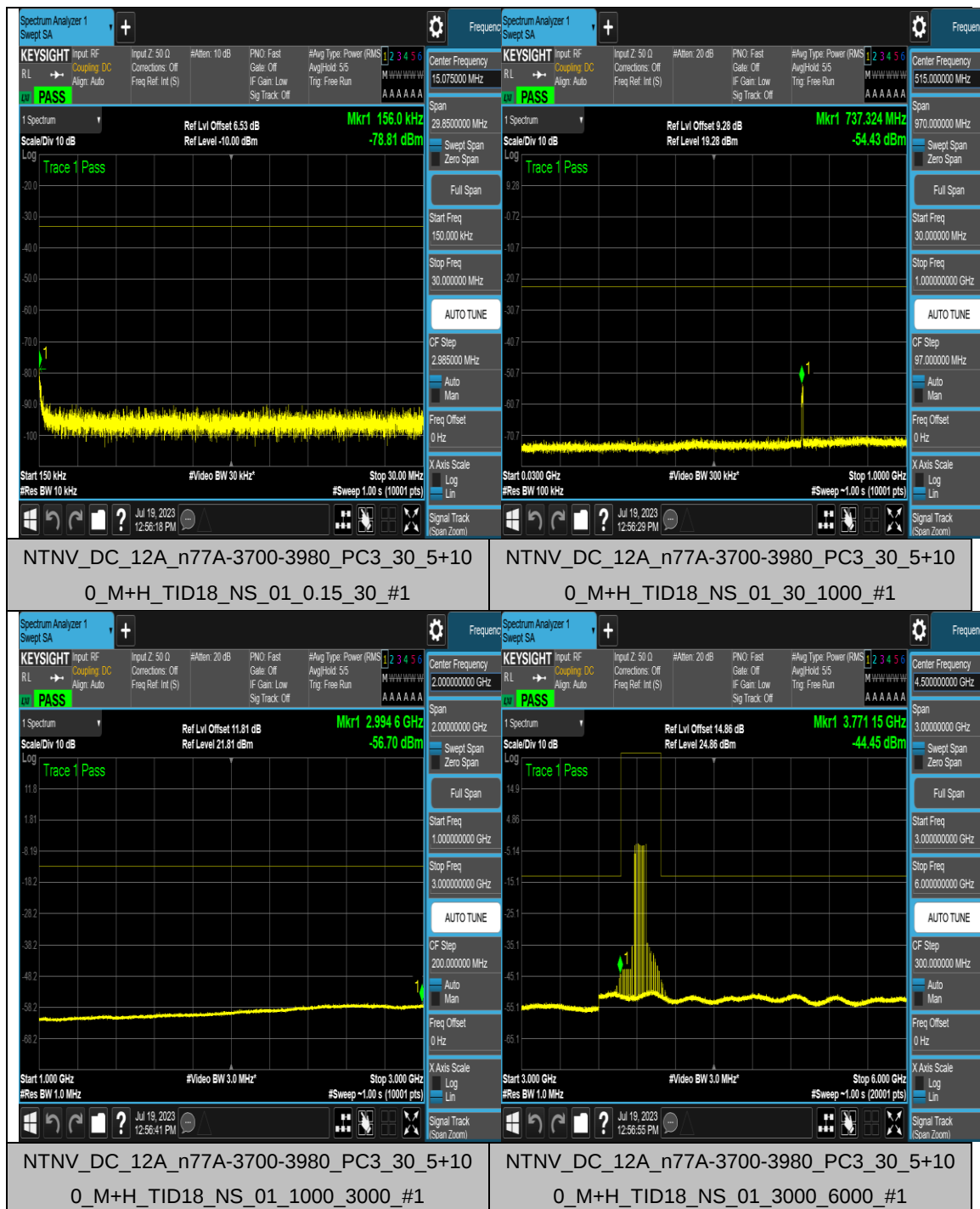


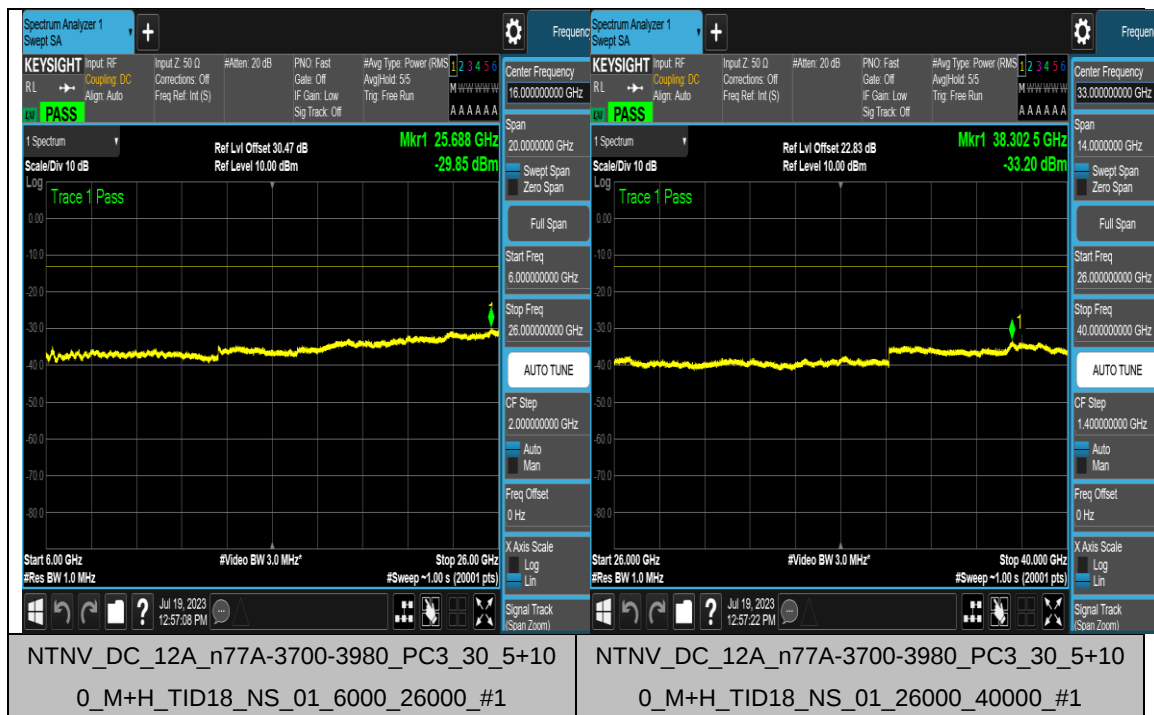












Appendix F: Frequency Stability for NSA

Test Result

Frequency Error VS. Voltage

Voltage										
Band	SCS	Bandwidth	Modulation	Channel	RB Config	Voltage	Temperature	Deviation(Hz)	Deviation (ppm)	Verdict
DC_12A_n77A-3 700-3980	30	5+100	DFT-QPSK	M+L	Outer_Full	VN	NT	-3.06	0.00	PASS
DC_12A_n77A-3 700-3980	30	5+100	CP-QPSK	M+L	Outer_Full	VN	NT	-14.69	0.00	PASS
DC_12A_n77A-3 700-3980	30	5+100	DFT-QPSK	M+M	Outer_Full	VN	NT	-5.22	0.00	PASS
DC_12A_n77A-3 700-3980	30	5+100	CP-QPSK	M+M	Outer_Full	VN	NT	-9.99	0.00	PASS
DC_12A_n77A-3 700-3980	30	5+100	DFT-QPSK	M+H	Outer_Full	VN	NT	-10.27	0.00	PASS
DC_12A_n77A-3 700-3980	30	5+100	CP-QPSK	M+H	Outer_Full	VN	NT	-4.08	0.00	PASS

Frequency Error VS. Temperature

Voltage										
Band	SCS	Bandwidth	Modulation	Channel	RB Config	Voltage	Temperature	Deviation(Hz)	Deviation (ppm)	Verdict
DC_12A_n77A-3 700-3980	30	5+100	DFT-QPSK	M+L	Outer_Full	NV	TN	-9.523200	-0.002540	PASS
DC_12A_n77A-3 700-3980	30	5+100	CP-QPSK	M+L	Outer_Full	NV	TN	-4.154991	-0.001108	PASS
DC_12A_n77A-3 700-3980	30	5+100	DFT-QPSK	M+M	Outer_Full	NV	TN	3.967520	0.001033	PASS
DC_12A_n77A-3 700-3980	30	5+100	CP-QPSK	M+M	Outer_Full	NV	TN	-3.195944	-0.000832	PASS

_n77A-3 700-3980										
DC_12A _n77A-3 700-3980	30	5+100	DFT-QPSK	M+H	Outer_Full	NV	TN	2.620751	0.000667	PASS
DC_12A _n77A-3 700-3980	30	5+100	CP-QPSK	M+H	Outer_Full	NV	TN	0.545378	0.000139	PASS

Appendix F: Modulation characteristics for NSA

Test Result

Band	SCS	Bandwidth	Modulation	Channel	RB Config	Result	Verdict
DC_12A_n77A-3700-3980	30	5+100	DFT-QPSK	M+L	Outer_Full	see graph	PASS
DC_12A_n77A-3700-3980	30	5+100	CP-QPSK	M+L	Outer_Full	see graph	PASS
DC_12A_n77A-3700-3980	30	5+100	DFT-QPSK	M+M	Outer_Full	see graph	PASS
DC_12A_n77A-3700-3980	30	5+100	CP-QPSK	M+M	Outer_Full	see graph	PASS
DC_12A_n77A-3700-3980	30	5+100	DFT-QPSK	M+H	Outer_Full	see graph	PASS
DC_12A_n77A-3700-3980	30	5+100	CP-QPSK	M+H	Outer_Full	see graph	PASS

Test Graphs

