





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
N41	30	20	CP-QPSK	L	Outer_Full	VL	NT	-14.14	-0.01	PASS
N41	30	20	CP-QPSK	L	Outer_Full	VN	NT	-11.94	0.00	PASS
N41	30	20	CP-QPSK	L	Outer_Full	VH	NT	-18.41	-0.01	PASS
N41	30	20	CP-16QAM	L	Outer_Full	VL	NT	-24.09	-0.01	PASS
N41	30	20	CP-16QAM	L	Outer_Full	VN	NT	-32.63	-0.01	PASS
N41	30	20	CP-16QAM	L	Outer_Full	VH	NT	-19.42	-0.01	PASS
N41	30	20	CP-QPSK	M	Outer_Full	VL	NT	-21.36	-0.01	PASS
N41	30	20	CP-QPSK	M	Outer_Full	VN	NT	-6.12	0.00	PASS
N41	30	20	CP-QPSK	M	Outer_Full	VH	NT	-19.86	-0.01	PASS
N41	30	20	CP-16QAM	M	Outer_Full	VL	NT	-22.51	-0.01	PASS
N41	30	20	CP-16QAM	M	Outer_Full	VN	NT	-12.83	0.00	PASS
N41	30	20	CP-16QAM	M	Outer_Full	VH	NT	-21.50	-0.01	PASS
N41	30	20	CP-QPSK	H	Outer_Full	VL	NT	-25.86	-0.01	PASS
N41	30	20	CP-QPSK	H	Outer_Full	VN	NT	-1.82	0.00	PASS
N41	30	20	CP-QPSK	H	Outer_Full	VH	NT	-13.93	-0.01	PASS
N41	30	20	CP-16QAM	H	Outer_Full	VL	NT	-16.70	-0.01	PASS
N41	30	20	CP-16QAM	H	Outer_Full	VN	NT	-17.05	-0.01	PASS
N41	30	20	CP-16QAM	H	Outer_Full	VH	NT	-18.41	-0.01	PASS
N41	30	40	CP-QPSK	L	Outer_Full	VL	NT	-20.31	-0.01	PASS
N41	30	40	CP-QPSK	L	Outer_Full	VN	NT	-20.40	-0.01	PASS
N41	30	40	CP-QPSK	L	Outer_Full	VH	NT	-10.89	0.00	PASS
N41	30	40	CP-16QAM	L	Outer_Full	VL	NT	-33.19	-0.01	PASS
N41	30	40	CP-16QAM	L	Outer_Full	VN	NT	-19.65	-0.01	PASS
N41	30	40	CP-16QAM	L	Outer_Full	VH	NT	-11.59	0.00	PASS
N41	30	40	CP-QPSK	M	Outer_Full	VL	NT	-13.57	-0.01	PASS
N41	30	40	CP-QPSK	M	Outer_Full	VN	NT	-8.14	0.00	PASS
N41	30	40	CP-QPSK	M	Outer_Full	VH	NT	-25.51	-0.01	PASS
N41	30	40	CP-16QAM	M	Outer_Full	VL	NT	-11.52	0.00	PASS
N41	30	40	CP-16QAM	M	Outer_Full	VN	NT	-23.88	-0.01	PASS
N41	30	40	CP-16QAM	M	Outer_Full	VH	NT	-15.02	-0.01	PASS
N41	30	40	CP-QPSK	H	Outer_Full	VL	NT	-5.77	0.00	PASS
N41	30	40	CP-QPSK	H	Outer_Full	VN	NT	-28.74	-0.01	PASS

N41	30	40	CP-QPSK	H	Outer_Full	VH	NT	-5.86	0.00	PASS
N41	30	40	CP-16QAM	H	Outer_Full	VL	NT	-23.04	-0.01	PASS
N41	30	40	CP-16QAM	H	Outer_Full	VN	NT	-17.05	-0.01	PASS
N41	30	40	CP-16QAM	H	Outer_Full	VH	NT	-11.26	0.00	PASS
N41	30	60	CP-QPSK	L	Outer_Full	VL	NT	-17.10	-0.01	PASS
N41	30	60	CP-QPSK	L	Outer_Full	VN	NT	-18.66	-0.01	PASS
N41	30	60	CP-QPSK	L	Outer_Full	VH	NT	-22.40	-0.01	PASS
N41	30	60	CP-16QAM	L	Outer_Full	VL	NT	-24.97	-0.01	PASS
N41	30	60	CP-16QAM	L	Outer_Full	VN	NT	-20.65	-0.01	PASS
N41	30	60	CP-16QAM	L	Outer_Full	VH	NT	-30.50	-0.01	PASS
N41	30	60	CP-QPSK	M	Outer_Full	VL	NT	-25.35	-0.01	PASS
N41	30	60	CP-QPSK	M	Outer_Full	VN	NT	-13.86	-0.01	PASS
N41	30	60	CP-QPSK	M	Outer_Full	VH	NT	-30.13	-0.01	PASS
N41	30	60	CP-16QAM	M	Outer_Full	VL	NT	-18.55	-0.01	PASS
N41	30	60	CP-16QAM	M	Outer_Full	VN	NT	-9.50	0.00	PASS
N41	30	60	CP-16QAM	M	Outer_Full	VH	NT	-18.18	-0.01	PASS
N41	30	60	CP-QPSK	H	Outer_Full	VL	NT	5.04	0.00	PASS
N41	30	60	CP-QPSK	H	Outer_Full	VN	NT	0.87	0.00	PASS
N41	30	60	CP-QPSK	H	Outer_Full	VH	NT	-11.21	0.00	PASS
N41	30	60	CP-16QAM	H	Outer_Full	VL	NT	7.16	0.00	PASS
N41	30	60	CP-16QAM	H	Outer_Full	VN	NT	-19.27	-0.01	PASS
N41	30	60	CP-16QAM	H	Outer_Full	VH	NT	-20.65	-0.01	PASS
N41	30	100	CP-QPSK	L	Outer_Full	VL	NT	-22.05	-0.01	PASS
N41	30	100	CP-QPSK	L	Outer_Full	VN	NT	-17.08	-0.01	PASS
N41	30	100	CP-QPSK	L	Outer_Full	VH	NT	-12.21	0.00	PASS
N41	30	100	CP-16QAM	L	Outer_Full	VL	NT	-25.29	-0.01	PASS
N41	30	100	CP-16QAM	L	Outer_Full	VN	NT	-16.78	-0.01	PASS
N41	30	100	CP-16QAM	L	Outer_Full	VH	NT	-24.19	-0.01	PASS
N41	30	100	CP-QPSK	M	Outer_Full	VL	NT	-26.39	-0.01	PASS
N41	30	100	CP-QPSK	M	Outer_Full	VN	NT	-22.29	-0.01	PASS
N41	30	100	CP-QPSK	M	Outer_Full	VH	NT	-15.42	-0.01	PASS
N41	30	100	CP-16QAM	M	Outer_Full	VL	NT	-6.12	0.00	PASS
N41	30	100	CP-16QAM	M	Outer_Full	VN	NT	-14.92	-0.01	PASS
N41	30	100	CP-16QAM	M	Outer_Full	VH	NT	-19.21	-0.01	PASS
N41	30	100	CP-QPSK	H	Outer_Full	VL	NT	-16.19	-0.01	PASS
N41	30	100	CP-QPSK	H	Outer_Full	VN	NT	-18.16	-0.01	PASS
N41	30	100	CP-QPSK	H	Outer_Full	VH	NT	-25.18	-0.01	PASS
N41	30	100	CP-16QAM	H	Outer_Full	VL	NT	-22.12	-0.01	PASS
N41	30	100	CP-16QAM	H	Outer_Full	VN	NT	-18.03	-0.01	PASS
N41	30	100	CP-16QAM	H	Outer_Full	VH	NT	-12.70	0.00	PASS

Frequency Error VS. Temperature

Voltage										
Band	SCS	Bandwidth	Modulation	Channel	RB Config	Voltage	Temperature	Deviation(Hz)	Deviation (ppm)	Verdict
N41	30	20	CP-QPSK	L	Outer_Full	NV	-30	-25.958735	-0.010359	PASS
N41	30	20	CP-QPSK	L	Outer_Full	NV	-20	-32.497826	-0.012968	PASS
N41	30	20	CP-QPSK	L	Outer_Full	NV	-10	-15.407187	-0.006148	PASS
N41	30	20	CP-QPSK	L	Outer_Full	NV	0	-18.716085	-0.007468	PASS
N41	30	20	CP-QPSK	L	Outer_Full	NV	10	-23.600466	-0.009418	PASS
N41	30	20	CP-QPSK	L	Outer_Full	NV	20	-12.395449	-0.004946	PASS
N41	30	20	CP-QPSK	L	Outer_Full	NV	30	-14.380519	-0.005738	PASS
N41	30	20	CP-QPSK	L	Outer_Full	NV	40	-18.964016	-0.007567	PASS
N41	30	20	CP-QPSK	L	Outer_Full	NV	50	-25.837904	-0.010310	PASS
N41	30	20	CP-16QAM	L	Outer_Full	NV	-30	-11.109075	-0.004433	PASS
N41	30	20	CP-16QAM	L	Outer_Full	NV	-20	-39.470478	-0.015750	PASS
N41	30	20	CP-16QAM	L	Outer_Full	NV	-10	-11.658610	-0.004652	PASS
N41	30	20	CP-16QAM	L	Outer_Full	NV	0	-21.308794	-0.008503	PASS
N41	30	20	CP-16QAM	L	Outer_Full	NV	10	-11.792267	-0.004706	PASS
N41	30	20	CP-16QAM	L	Outer_Full	NV	20	-25.359631	-0.010119	PASS
N41	30	20	CP-16QAM	L	Outer_Full	NV	30	-17.217859	-0.006871	PASS
N41	30	20	CP-16QAM	L	Outer_Full	NV	40	-29.384665	-0.011726	PASS
N41	30	20	CP-16QAM	L	Outer_Full	NV	50	-24.861452	-0.009921	PASS
N41	30	20	CP-QPSK	M	Outer_Full	NV	-30	-5.127969	-0.001978	PASS
N41	30	20	CP-QPSK	M	Outer_Full	NV	-20	-5.345997	-0.002062	PASS
N41	30	20	CP-QPSK	M	Outer_Full	NV	-10	-3.817017	-0.001472	PASS
N41	30	20	CP-QPSK	M	Outer_Full	NV	0	-18.641836	-0.007189	PASS
N41	30	20	CP-QPSK	M	Outer_Full	NV	10	-9.015539	-0.003477	PASS
N41	30	20	CP-QPSK	M	Outer_Full	NV	20	-21.655180	-0.008351	PASS
N41	30	20	CP-QPSK	M	Outer_Full	NV	30	5.541933	0.002137	PASS
N41	30	20	CP-QPSK	M	Outer_Full	NV	40	-6.195553	-0.002389	PASS
N41	30	20	CP-QPSK	M	Outer_Full	NV	50	-16.131292	-0.006221	PASS
N41	30	20	CP-16QAM	M	Outer_Full	NV	-30	-11.683866	-0.004506	PASS
N41	30	20	CP-16QAM	M	Outer_Full	NV	-20	-17.860460	-0.006888	PASS
N41	30	20	CP-16QAM	M	Outer_Full	NV	-10	-11.489274	-0.004431	PASS
N41	30	20	CP-16QAM	M	Outer_Full	NV	0	-18.856791	-0.007272	PASS
N41	30	20	CP-16QAM	M	Outer_Full	NV	10	-9.498349	-0.003663	PASS
N41	30	20	CP-16QAM	M	Outer_Full	NV	20	-19.180902	-0.007397	PASS
N41	30	20	CP-16QAM	M	Outer_Full	NV	30	-11.088422	-0.004276	PASS
N41	30	20	CP-16QAM	M	Outer_Full	NV	40	-21.057241	-0.008121	PASS
N41	30	20	CP-16QAM	M	Outer_Full	NV	50	-10.846281	-0.004183	PASS

N41	30	20	CP-QPSK	H	Outer_Full	NV	-30	-12.134119	-0.004528	PASS
N41	30	20	CP-QPSK	H	Outer_Full	NV	-20	-27.367470	-0.010212	PASS
N41	30	20	CP-QPSK	H	Outer_Full	NV	-10	-14.341456	-0.005351	PASS
N41	30	20	CP-QPSK	H	Outer_Full	NV	0	-23.264801	-0.008681	PASS
N41	30	20	CP-QPSK	H	Outer_Full	NV	10	-5.062007	-0.001889	PASS
N41	30	20	CP-QPSK	H	Outer_Full	NV	20	-11.125343	-0.004151	PASS
N41	30	20	CP-QPSK	H	Outer_Full	NV	30	-15.595374	-0.005819	PASS
N41	30	20	CP-QPSK	H	Outer_Full	NV	40	-16.342813	-0.006098	PASS
N41	30	20	CP-QPSK	H	Outer_Full	NV	50	-19.542257	-0.007292	PASS
N41	30	20	CP-16QAM	H	Outer_Full	NV	-30	-16.186262	-0.006040	PASS
N41	30	20	CP-16QAM	H	Outer_Full	NV	-20	-14.893717	-0.005557	PASS
N41	30	20	CP-16QAM	H	Outer_Full	NV	-10	-12.857897	-0.004798	PASS
N41	30	20	CP-16QAM	H	Outer_Full	NV	0	-8.620369	-0.003217	PASS
N41	30	20	CP-16QAM	H	Outer_Full	NV	10	-9.535744	-0.003558	PASS
N41	30	20	CP-16QAM	H	Outer_Full	NV	20	-6.254502	-0.002334	PASS
N41	30	20	CP-16QAM	H	Outer_Full	NV	30	-4.067267	-0.001518	PASS
N41	30	20	CP-16QAM	H	Outer_Full	NV	40	-19.249771	-0.007183	PASS
N41	30	20	CP-16QAM	H	Outer_Full	NV	50	-23.107405	-0.008622	PASS
N41	30	40	CP-QPSK	L	Outer_Full	NV	-30	-14.372863	-0.005713	PASS
N41	30	40	CP-QPSK	L	Outer_Full	NV	-20	-9.326146	-0.003707	PASS
N41	30	40	CP-QPSK	L	Outer_Full	NV	-10	-19.447021	-0.007729	PASS
N41	30	40	CP-QPSK	L	Outer_Full	NV	0	-24.376869	-0.009689	PASS
N41	30	40	CP-QPSK	L	Outer_Full	NV	10	-24.319145	-0.009666	PASS
N41	30	40	CP-QPSK	L	Outer_Full	NV	20	-24.274509	-0.009648	PASS
N41	30	40	CP-QPSK	L	Outer_Full	NV	30	-24.168297	-0.009606	PASS
N41	30	40	CP-QPSK	L	Outer_Full	NV	40	-19.457144	-0.007733	PASS
N41	30	40	CP-QPSK	L	Outer_Full	NV	50	-13.703625	-0.005447	PASS
N41	30	40	CP-16QAM	L	Outer_Full	NV	-30	-22.182045	-0.008816	PASS
N41	30	40	CP-16QAM	L	Outer_Full	NV	-20	-30.522224	-0.012131	PASS
N41	30	40	CP-16QAM	L	Outer_Full	NV	-10	-18.498983	-0.007353	PASS
N41	30	40	CP-16QAM	L	Outer_Full	NV	0	-25.818626	-0.010262	PASS
N41	30	40	CP-16QAM	L	Outer_Full	NV	10	-32.757835	-0.013020	PASS
N41	30	40	CP-16QAM	L	Outer_Full	NV	20	-20.462769	-0.008133	PASS
N41	30	40	CP-16QAM	L	Outer_Full	NV	30	-27.651125	-0.010990	PASS
N41	30	40	CP-16QAM	L	Outer_Full	NV	40	-7.417830	-0.002948	PASS
N41	30	40	CP-16QAM	L	Outer_Full	NV	50	-17.418150	-0.006923	PASS
N41	30	40	CP-QPSK	M	Outer_Full	NV	-30	-4.301772	-0.001659	PASS
N41	30	40	CP-QPSK	M	Outer_Full	NV	-20	-18.171434	-0.007008	PASS
N41	30	40	CP-QPSK	M	Outer_Full	NV	-10	-24.094347	-0.009292	PASS
N41	30	40	CP-QPSK	M	Outer_Full	NV	0	-6.232267	-0.002404	PASS
N41	30	40	CP-QPSK	M	Outer_Full	NV	10	-5.652995	-0.002180	PASS

N41	30	40	CP-QPSK	M	Outer_Full	NV	20	-24.924053	-0.009612	PASS
N41	30	40	CP-QPSK	M	Outer_Full	NV	30	-3.190529	-0.001230	PASS
N41	30	40	CP-QPSK	M	Outer_Full	NV	40	-18.626089	-0.007183	PASS
N41	30	40	CP-QPSK	M	Outer_Full	NV	50	-10.992862	-0.004239	PASS
N41	30	40	CP-16QAM	M	Outer_Full	NV	-30	-23.785160	-0.009173	PASS
N41	30	40	CP-16QAM	M	Outer_Full	NV	-20	-11.985229	-0.004622	PASS
N41	30	40	CP-16QAM	M	Outer_Full	NV	-10	-22.792040	-0.008790	PASS
N41	30	40	CP-16QAM	M	Outer_Full	NV	0	-9.031571	-0.003483	PASS
N41	30	40	CP-16QAM	M	Outer_Full	NV	10	-20.691790	-0.007980	PASS
N41	30	40	CP-16QAM	M	Outer_Full	NV	20	-4.876193	-0.001881	PASS
N41	30	40	CP-16QAM	M	Outer_Full	NV	30	-15.605470	-0.006018	PASS
N41	30	40	CP-16QAM	M	Outer_Full	NV	40	-22.292257	-0.008597	PASS
N41	30	40	CP-16QAM	M	Outer_Full	NV	50	-4.363153	-0.001683	PASS
N41	30	40	CP-QPSK	H	Outer_Full	NV	-30	-14.015677	-0.005249	PASS
N41	30	40	CP-QPSK	H	Outer_Full	NV	-20	-33.439705	-0.012524	PASS
N41	30	40	CP-QPSK	H	Outer_Full	NV	-10	-21.155380	-0.007923	PASS
N41	30	40	CP-QPSK	H	Outer_Full	NV	0	-28.719023	-0.010756	PASS
N41	30	40	CP-QPSK	H	Outer_Full	NV	10	-10.493937	-0.003930	PASS
N41	30	40	CP-QPSK	H	Outer_Full	NV	20	-34.104500	-0.012773	PASS
N41	30	40	CP-QPSK	H	Outer_Full	NV	30	-9.299192	-0.003483	PASS
N41	30	40	CP-QPSK	H	Outer_Full	NV	40	-28.481358	-0.010667	PASS
N41	30	40	CP-QPSK	H	Outer_Full	NV	50	-1.421505	-0.000532	PASS
N41	30	40	CP-16QAM	H	Outer_Full	NV	-30	-20.378096	-0.007632	PASS
N41	30	40	CP-16QAM	H	Outer_Full	NV	-20	-10.467232	-0.003920	PASS
N41	30	40	CP-16QAM	H	Outer_Full	NV	-10	-1.927641	-0.000722	PASS
N41	30	40	CP-16QAM	H	Outer_Full	NV	0	-16.846819	-0.006310	PASS
N41	30	40	CP-16QAM	H	Outer_Full	NV	10	-25.418068	-0.009520	PASS
N41	30	40	CP-16QAM	H	Outer_Full	NV	20	-13.196646	-0.004943	PASS
N41	30	40	CP-16QAM	H	Outer_Full	NV	30	-23.673321	-0.008866	PASS
N41	30	40	CP-16QAM	H	Outer_Full	NV	40	-11.239779	-0.004210	PASS
N41	30	40	CP-16QAM	H	Outer_Full	NV	50	-18.223017	-0.006825	PASS
N41	30	60	CP-QPSK	L	Outer_Full	NV	-30	-14.032255	-0.005555	PASS
N41	30	60	CP-QPSK	L	Outer_Full	NV	-20	-7.840214	-0.003104	PASS
N41	30	60	CP-QPSK	L	Outer_Full	NV	-10	-20.316622	-0.008043	PASS
N41	30	60	CP-QPSK	L	Outer_Full	NV	0	-15.731196	-0.006228	PASS
N41	30	60	CP-QPSK	L	Outer_Full	NV	10	-27.969513	-0.011073	PASS
N41	30	60	CP-QPSK	L	Outer_Full	NV	20	-20.901510	-0.008275	PASS
N41	30	60	CP-QPSK	L	Outer_Full	NV	30	-30.891678	-0.012229	PASS
N41	30	60	CP-QPSK	L	Outer_Full	NV	40	-23.941942	-0.009478	PASS
N41	30	60	CP-QPSK	L	Outer_Full	NV	50	-15.167849	-0.006005	PASS
N41	30	60	CP-16QAM	L	Outer_Full	NV	-30	-20.938602	-0.008289	PASS

N41	30	60	CP-16QAM	L	Outer_Full	NV	-20	-8.831985	-0.003496	PASS
N41	30	60	CP-16QAM	L	Outer_Full	NV	-10	-25.752548	-0.010195	PASS
N41	30	60	CP-16QAM	L	Outer_Full	NV	0	-15.455348	-0.006119	PASS
N41	30	60	CP-16QAM	L	Outer_Full	NV	10	-9.361066	-0.003706	PASS
N41	30	60	CP-16QAM	L	Outer_Full	NV	20	-22.169743	-0.008777	PASS
N41	30	60	CP-16QAM	L	Outer_Full	NV	30	-15.074457	-0.005968	PASS
N41	30	60	CP-16QAM	L	Outer_Full	NV	40	-28.647032	-0.011341	PASS
N41	30	60	CP-16QAM	L	Outer_Full	NV	50	-19.631325	-0.007772	PASS
N41	30	60	CP-QPSK	M	Outer_Full	NV	-30	-18.718187	-0.007219	PASS
N41	30	60	CP-QPSK	M	Outer_Full	NV	-20	-18.292566	-0.007055	PASS
N41	30	60	CP-QPSK	M	Outer_Full	NV	-10	-13.461094	-0.005191	PASS
N41	30	60	CP-QPSK	M	Outer_Full	NV	0	-8.191285	-0.003159	PASS
N41	30	60	CP-QPSK	M	Outer_Full	NV	10	-8.437433	-0.003254	PASS
N41	30	60	CP-QPSK	M	Outer_Full	NV	20	-17.228464	-0.006644	PASS
N41	30	60	CP-QPSK	M	Outer_Full	NV	30	-14.450961	-0.005573	PASS
N41	30	60	CP-QPSK	M	Outer_Full	NV	40	-16.289711	-0.006282	PASS
N41	30	60	CP-QPSK	M	Outer_Full	NV	50	-10.690273	-0.004123	PASS
N41	30	60	CP-16QAM	M	Outer_Full	NV	-30	-6.227849	-0.002402	PASS
N41	30	60	CP-16QAM	M	Outer_Full	NV	-20	-14.631557	-0.005643	PASS
N41	30	60	CP-16QAM	M	Outer_Full	NV	-10	-17.090130	-0.006591	PASS
N41	30	60	CP-16QAM	M	Outer_Full	NV	0	-2.010369	-0.000775	PASS
N41	30	60	CP-16QAM	M	Outer_Full	NV	10	-8.081458	-0.003117	PASS
N41	30	60	CP-16QAM	M	Outer_Full	NV	20	-4.973697	-0.001918	PASS
N41	30	60	CP-16QAM	M	Outer_Full	NV	30	-8.594497	-0.003315	PASS
N41	30	60	CP-16QAM	M	Outer_Full	NV	40	-11.570886	-0.004462	PASS
N41	30	60	CP-16QAM	M	Outer_Full	NV	50	-11.662365	-0.004498	PASS
N41	30	60	CP-QPSK	H	Outer_Full	NV	-30	-10.722030	-0.004031	PASS
N41	30	60	CP-QPSK	H	Outer_Full	NV	-20	-11.139359	-0.004188	PASS
N41	30	60	CP-QPSK	H	Outer_Full	NV	-10	-1.763972	-0.000663	PASS
N41	30	60	CP-QPSK	H	Outer_Full	NV	0	-14.434058	-0.005426	PASS
N41	30	60	CP-QPSK	H	Outer_Full	NV	10	-1.212443	-0.000456	PASS
N41	30	60	CP-QPSK	H	Outer_Full	NV	20	-7.732531	-0.002907	PASS
N41	30	60	CP-QPSK	H	Outer_Full	NV	30	8.638653	0.003248	PASS
N41	30	60	CP-QPSK	H	Outer_Full	NV	40	-19.141933	-0.007196	PASS
N41	30	60	CP-QPSK	H	Outer_Full	NV	50	2.266069	0.000852	PASS
N41	30	60	CP-16QAM	H	Outer_Full	NV	-30	6.374984	0.002397	PASS
N41	30	60	CP-16QAM	H	Outer_Full	NV	-20	-12.309815	-0.004628	PASS
N41	30	60	CP-16QAM	H	Outer_Full	NV	-10	-9.456234	-0.003555	PASS
N41	30	60	CP-16QAM	H	Outer_Full	NV	0	-5.468679	-0.002056	PASS
N41	30	60	CP-16QAM	H	Outer_Full	NV	10	1.133906	0.000426	PASS
N41	30	60	CP-16QAM	H	Outer_Full	NV	20	-17.036165	-0.006405	PASS

N41	30	60	CP-16QAM	H	Outer_Full	NV	30	-7.104866	-0.002671	PASS
N41	30	60	CP-16QAM	H	Outer_Full	NV	40	0.666517	0.000251	PASS
N41	30	60	CP-16QAM	H	Outer_Full	NV	50	-15.872050	-0.005967	PASS
N41	30	100	CP-QPSK	L	Outer_Full	NV	-30	-13.149764	-0.005165	PASS
N41	30	100	CP-QPSK	L	Outer_Full	NV	-20	-24.992493	-0.009816	PASS
N41	30	100	CP-QPSK	L	Outer_Full	NV	-10	-32.638855	-0.012820	PASS
N41	30	100	CP-QPSK	L	Outer_Full	NV	0	-32.139687	-0.012624	PASS
N41	30	100	CP-QPSK	L	Outer_Full	NV	10	-25.860523	-0.010157	PASS
N41	30	100	CP-QPSK	L	Outer_Full	NV	20	-16.326084	-0.006412	PASS
N41	30	100	CP-QPSK	L	Outer_Full	NV	30	-19.438898	-0.007635	PASS
N41	30	100	CP-QPSK	L	Outer_Full	NV	40	-20.541330	-0.008068	PASS
N41	30	100	CP-QPSK	L	Outer_Full	NV	50	-16.359785	-0.006426	PASS
N41	30	100	CP-16QAM	L	Outer_Full	NV	-30	-13.336620	-0.005238	PASS
N41	30	100	CP-16QAM	L	Outer_Full	NV	-20	-17.438501	-0.006849	PASS
N41	30	100	CP-16QAM	L	Outer_Full	NV	-10	-20.682402	-0.008123	PASS
N41	30	100	CP-16QAM	L	Outer_Full	NV	0	-21.735817	-0.008537	PASS
N41	30	100	CP-16QAM	L	Outer_Full	NV	10	-20.962654	-0.008234	PASS
N41	30	100	CP-16QAM	L	Outer_Full	NV	20	-18.729528	-0.007356	PASS
N41	30	100	CP-16QAM	L	Outer_Full	NV	30	-14.540789	-0.005711	PASS
N41	30	100	CP-16QAM	L	Outer_Full	NV	40	-28.725494	-0.011283	PASS
N41	30	100	CP-16QAM	L	Outer_Full	NV	50	-22.717531	-0.008923	PASS
N41	30	100	CP-QPSK	M	Outer_Full	NV	-30	-13.598835	-0.005244	PASS
N41	30	100	CP-QPSK	M	Outer_Full	NV	-20	-28.160650	-0.010860	PASS
N41	30	100	CP-QPSK	M	Outer_Full	NV	-10	-10.954844	-0.004225	PASS
N41	30	100	CP-QPSK	M	Outer_Full	NV	0	-13.792184	-0.005319	PASS
N41	30	100	CP-QPSK	M	Outer_Full	NV	10	-13.711071	-0.005288	PASS
N41	30	100	CP-QPSK	M	Outer_Full	NV	20	-24.313343	-0.009377	PASS
N41	30	100	CP-QPSK	M	Outer_Full	NV	30	-28.113270	-0.010842	PASS
N41	30	100	CP-QPSK	M	Outer_Full	NV	40	-24.275036	-0.009362	PASS
N41	30	100	CP-QPSK	M	Outer_Full	NV	50	-21.233967	-0.008189	PASS
N41	30	100	CP-16QAM	M	Outer_Full	NV	-30	-12.380327	-0.004775	PASS
N41	30	100	CP-16QAM	M	Outer_Full	NV	-20	-9.944085	-0.003835	PASS
N41	30	100	CP-16QAM	M	Outer_Full	NV	-10	-18.103600	-0.006982	PASS
N41	30	100	CP-16QAM	M	Outer_Full	NV	0	-6.405005	-0.002470	PASS
N41	30	100	CP-16QAM	M	Outer_Full	NV	10	-27.673243	-0.010672	PASS
N41	30	100	CP-16QAM	M	Outer_Full	NV	20	-20.633396	-0.007957	PASS
N41	30	100	CP-16QAM	M	Outer_Full	NV	30	-11.932304	-0.004602	PASS
N41	30	100	CP-16QAM	M	Outer_Full	NV	40	-20.458778	-0.007890	PASS
N41	30	100	CP-16QAM	M	Outer_Full	NV	50	-6.806537	-0.002625	PASS
N41	30	100	CP-QPSK	H	Outer_Full	NV	-30	-21.013256	-0.007960	PASS
N41	30	100	CP-QPSK	H	Outer_Full	NV	-20	-19.229950	-0.007284	PASS

N41	30	100	CP-QPSK	H	Outer_Full	NV	-10	-9.896209	-0.003749	PASS
N41	30	100	CP-QPSK	H	Outer_Full	NV	0	-11.505043	-0.004358	PASS
N41	30	100	CP-QPSK	H	Outer_Full	NV	10	-9.723269	-0.003683	PASS
N41	30	100	CP-QPSK	H	Outer_Full	NV	20	-17.188700	-0.006511	PASS
N41	30	100	CP-QPSK	H	Outer_Full	NV	30	-5.926651	-0.002245	PASS
N41	30	100	CP-QPSK	H	Outer_Full	NV	40	-7.137374	-0.002704	PASS
N41	30	100	CP-QPSK	H	Outer_Full	NV	50	-9.333434	-0.003535	PASS
N41	30	100	CP-16QAM	H	Outer_Full	NV	-30	-7.456843	-0.002825	PASS
N41	30	100	CP-16QAM	H	Outer_Full	NV	-20	-14.624225	-0.005539	PASS
N41	30	100	CP-16QAM	H	Outer_Full	NV	-10	-10.673399	-0.004043	PASS
N41	30	100	CP-16QAM	H	Outer_Full	NV	0	-16.047495	-0.006079	PASS
N41	30	100	CP-16QAM	H	Outer_Full	NV	10	-9.236395	-0.003499	PASS
N41	30	100	CP-16QAM	H	Outer_Full	NV	20	-16.446098	-0.006230	PASS
N41	30	100	CP-16QAM	H	Outer_Full	NV	30	-19.330326	-0.007322	PASS
N41	30	100	CP-16QAM	H	Outer_Full	NV	40	-3.000626	-0.001137	PASS
N41	30	100	CP-16QAM	H	Outer_Full	NV	50	-27.110321	-0.010269	PASS