





























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	20	CP-QPSK	L	Outer_Full	VL	NT	-18.36	0.00	PASS
N77-370 0-3980	30	20	CP-QPSK	L	Outer_Full	VN	NT	-26.03	-0.01	PASS
N77-370 0-3980	30	20	CP-QPSK	L	Outer_Full	VH	NT	-40.87	-0.01	PASS
N77-370 0-3980	30	20	CP-16QAM	L	Outer_Full	VL	NT	-42.66	-0.01	PASS
N77-370 0-3980	30	20	CP-16QAM	L	Outer_Full	VN	NT	-20.17	-0.01	PASS
N77-370 0-3980	30	20	CP-16QAM	L	Outer_Full	VH	NT	-15.89	0.00	PASS
N77-370 0-3980	30	20	CP-QPSK	M	Outer_Full	VL	NT	-21.80	-0.01	PASS
N77-370 0-3980	30	20	CP-QPSK	M	Outer_Full	VN	NT	-17.33	0.00	PASS
N77-370 0-3980	30	20	CP-QPSK	M	Outer_Full	VH	NT	-21.56	-0.01	PASS
N77-370 0-3980	30	20	CP-16QAM	M	Outer_Full	VL	NT	-27.22	-0.01	PASS
N77-370 0-3980	30	20	CP-16QAM	M	Outer_Full	VN	NT	-14.00	0.00	PASS
N77-370 0-3980	30	20	CP-16QAM	M	Outer_Full	VH	NT	-23.26	-0.01	PASS
N77-370 0-3980	30	20	CP-QPSK	H	Outer_Full	VL	NT	-25.44	-0.01	PASS
N77-370 0-3980	30	20	CP-QPSK	H	Outer_Full	VN	NT	-24.92	-0.01	PASS
N77-370 0-3980	30	20	CP-QPSK	H	Outer_Full	VH	NT	-18.31	0.00	PASS
N77-370 0-3980	30	20	CP-16QAM	H	Outer_Full	VL	NT	-21.04	-0.01	PASS
N77-370	30	20	CP-16QAM	H	Outer_Full	VN	NT	-20.28	-0.01	PASS

0-3980										
N77-370 0-3980	30	20	CP-16QAM	H	Outer_Full	VH	NT	-34.14	-0.01	PASS
N77-370 0-3980	30	40	CP-QPSK	L	Outer_Full	VL	NT	-13.52	0.00	PASS
N77-370 0-3980	30	40	CP-QPSK	L	Outer_Full	VN	NT	-30.46	-0.01	PASS
N77-370 0-3980	30	40	CP-QPSK	L	Outer_Full	VH	NT	-14.39	0.00	PASS
N77-370 0-3980	30	40	CP-16QAM	L	Outer_Full	VL	NT	-22.70	-0.01	PASS
N77-370 0-3980	30	40	CP-16QAM	L	Outer_Full	VN	NT	-19.63	-0.01	PASS
N77-370 0-3980	30	40	CP-16QAM	L	Outer_Full	VH	NT	-36.35	-0.01	PASS
N77-370 0-3980	30	40	CP-QPSK	M	Outer_Full	VL	NT	-25.76	-0.01	PASS
N77-370 0-3980	30	40	CP-QPSK	M	Outer_Full	VN	NT	-8.35	0.00	PASS
N77-370 0-3980	30	40	CP-QPSK	M	Outer_Full	VH	NT	-12.10	0.00	PASS
N77-370 0-3980	30	40	CP-16QAM	M	Outer_Full	VL	NT	-10.31	0.00	PASS
N77-370 0-3980	30	40	CP-16QAM	M	Outer_Full	VN	NT	-8.42	0.00	PASS
N77-370 0-3980	30	40	CP-16QAM	M	Outer_Full	VH	NT	-24.10	-0.01	PASS
N77-370 0-3980	30	40	CP-QPSK	H	Outer_Full	VL	NT	-46.00	-0.01	PASS
N77-370 0-3980	30	40	CP-QPSK	H	Outer_Full	VN	NT	-12.06	0.00	PASS
N77-370 0-3980	30	40	CP-QPSK	H	Outer_Full	VH	NT	-28.65	-0.01	PASS
N77-370 0-3980	30	40	CP-16QAM	H	Outer_Full	VL	NT	-37.19	-0.01	PASS
N77-370 0-3980	30	40	CP-16QAM	H	Outer_Full	VN	NT	-20.66	-0.01	PASS
N77-370 0-3980	30	40	CP-16QAM	H	Outer_Full	VH	NT	-39.69	-0.01	PASS
N77-370 0-3980	30	50	CP-QPSK	L	Outer_Full	VL	NT	-17.56	0.00	PASS
N77-370	30	50	CP-QPSK	L	Outer_Full	VN	NT	-28.51	-0.01	PASS

0-3980										
N77-370 0-3980	30	50	CP-QPSK	L	Outer_Full	VH	NT	-29.90	-0.01	PASS
N77-370 0-3980	30	50	CP-16QAM	L	Outer_Full	VL	NT	-30.40	-0.01	PASS
N77-370 0-3980	30	50	CP-16QAM	L	Outer_Full	VN	NT	-34.92	-0.01	PASS
N77-370 0-3980	30	50	CP-16QAM	L	Outer_Full	VH	NT	-6.31	0.00	PASS
N77-370 0-3980	30	50	CP-QPSK	M	Outer_Full	VL	NT	-25.22	-0.01	PASS
N77-370 0-3980	30	50	CP-QPSK	M	Outer_Full	VN	NT	-18.15	0.00	PASS
N77-370 0-3980	30	50	CP-QPSK	M	Outer_Full	VH	NT	-13.76	0.00	PASS
N77-370 0-3980	30	50	CP-16QAM	M	Outer_Full	VL	NT	-1.36	0.00	PASS
N77-370 0-3980	30	50	CP-16QAM	M	Outer_Full	VN	NT	-7.00	0.00	PASS
N77-370 0-3980	30	50	CP-16QAM	M	Outer_Full	VH	NT	-11.27	0.00	PASS
N77-370 0-3980	30	50	CP-QPSK	H	Outer_Full	VL	NT	-19.67	0.00	PASS
N77-370 0-3980	30	50	CP-QPSK	H	Outer_Full	VN	NT	-25.09	-0.01	PASS
N77-370 0-3980	30	50	CP-QPSK	H	Outer_Full	VH	NT	-28.91	-0.01	PASS
N77-370 0-3980	30	50	CP-16QAM	H	Outer_Full	VL	NT	-25.28	-0.01	PASS
N77-370 0-3980	30	50	CP-16QAM	H	Outer_Full	VN	NT	-32.07	-0.01	PASS
N77-370 0-3980	30	50	CP-16QAM	H	Outer_Full	VH	NT	-37.93	-0.01	PASS
N77-370 0-3980	30	60	CP-QPSK	L	Outer_Full	VL	NT	-40.12	-0.01	PASS
N77-370 0-3980	30	60	CP-QPSK	L	Outer_Full	VN	NT	-47.92	-0.01	PASS
N77-370 0-3980	30	60	CP-QPSK	L	Outer_Full	VH	NT	-30.51	-0.01	PASS
N77-370 0-3980	30	60	CP-16QAM	L	Outer_Full	VL	NT	-33.72	-0.01	PASS
N77-370	30	60	CP-16QAM	L	Outer_Full	VN	NT	-38.22	-0.01	PASS

0-3980										
N77-370 0-3980	30	60	CP-16QAM	L	Outer_Full	VH	NT	-37.76	-0.01	PASS
N77-370 0-3980	30	60	CP-QPSK	M	Outer_Full	VL	NT	-27.63	-0.01	PASS
N77-370 0-3980	30	60	CP-QPSK	M	Outer_Full	VN	NT	-19.23	-0.01	PASS
N77-370 0-3980	30	60	CP-QPSK	M	Outer_Full	VH	NT	-31.14	-0.01	PASS
N77-370 0-3980	30	60	CP-16QAM	M	Outer_Full	VL	NT	-27.02	-0.01	PASS
N77-370 0-3980	30	60	CP-16QAM	M	Outer_Full	VN	NT	-30.61	-0.01	PASS
N77-370 0-3980	30	60	CP-16QAM	M	Outer_Full	VH	NT	-13.85	0.00	PASS
N77-370 0-3980	30	60	CP-QPSK	H	Outer_Full	VL	NT	-24.93	-0.01	PASS
N77-370 0-3980	30	60	CP-QPSK	H	Outer_Full	VN	NT	-36.90	-0.01	PASS
N77-370 0-3980	30	60	CP-QPSK	H	Outer_Full	VH	NT	-31.33	-0.01	PASS
N77-370 0-3980	30	60	CP-16QAM	H	Outer_Full	VL	NT	-36.69	-0.01	PASS
N77-370 0-3980	30	60	CP-16QAM	H	Outer_Full	VN	NT	-27.12	-0.01	PASS
N77-370 0-3980	30	60	CP-16QAM	H	Outer_Full	VH	NT	-34.03	-0.01	PASS
N77-370 0-3980	30	80	CP-QPSK	L	Outer_Full	VL	NT	-13.25	0.00	PASS
N77-370 0-3980	30	80	CP-QPSK	L	Outer_Full	VN	NT	-23.08	-0.01	PASS
N77-370 0-3980	30	80	CP-QPSK	L	Outer_Full	VH	NT	-35.25	-0.01	PASS
N77-370 0-3980	30	80	CP-16QAM	L	Outer_Full	VL	NT	-23.68	-0.01	PASS
N77-370 0-3980	30	80	CP-16QAM	L	Outer_Full	VN	NT	-35.08	-0.01	PASS
N77-370 0-3980	30	80	CP-16QAM	L	Outer_Full	VH	NT	-47.55	-0.01	PASS
N77-370 0-3980	30	80	CP-QPSK	M	Outer_Full	VL	NT	-15.13	0.00	PASS
N77-370	30	80	CP-QPSK	M	Outer_Full	VN	NT	-29.63	-0.01	PASS

0-3980										
N77-370 0-3980	30	80	CP-QPSK	M	Outer_Full	VH	NT	-17.59	0.00	PASS
N77-370 0-3980	30	80	CP-16QAM	M	Outer_Full	VL	NT	-19.78	-0.01	PASS
N77-370 0-3980	30	80	CP-16QAM	M	Outer_Full	VN	NT	-29.22	-0.01	PASS
N77-370 0-3980	30	80	CP-16QAM	M	Outer_Full	VH	NT	-35.16	-0.01	PASS
N77-370 0-3980	30	80	CP-QPSK	H	Outer_Full	VL	NT	-24.28	-0.01	PASS
N77-370 0-3980	30	80	CP-QPSK	H	Outer_Full	VN	NT	-18.49	0.00	PASS
N77-370 0-3980	30	80	CP-QPSK	H	Outer_Full	VH	NT	-28.71	-0.01	PASS
N77-370 0-3980	30	80	CP-16QAM	H	Outer_Full	VL	NT	-23.43	-0.01	PASS
N77-370 0-3980	30	80	CP-16QAM	H	Outer_Full	VN	NT	-31.61	-0.01	PASS
N77-370 0-3980	30	80	CP-16QAM	H	Outer_Full	VH	NT	-15.07	0.00	PASS
N77-370 0-3980	30	90	CP-QPSK	L	Outer_Full	VL	NT	-38.73	-0.01	PASS
N77-370 0-3980	30	90	CP-QPSK	L	Outer_Full	VN	NT	-30.97	-0.01	PASS
N77-370 0-3980	30	90	CP-QPSK	L	Outer_Full	VH	NT	-30.65	-0.01	PASS
N77-370 0-3980	30	90	CP-16QAM	L	Outer_Full	VL	NT	-36.55	-0.01	PASS
N77-370 0-3980	30	90	CP-16QAM	L	Outer_Full	VN	NT	-40.73	-0.01	PASS
N77-370 0-3980	30	90	CP-16QAM	L	Outer_Full	VH	NT	-44.39	-0.01	PASS
N77-370 0-3980	30	90	CP-QPSK	M	Outer_Full	VL	NT	-3.48	0.00	PASS
N77-370 0-3980	30	90	CP-QPSK	M	Outer_Full	VN	NT	-13.40	0.00	PASS
N77-370 0-3980	30	90	CP-QPSK	M	Outer_Full	VH	NT	2.81	0.00	PASS
N77-370 0-3980	30	90	CP-16QAM	M	Outer_Full	VL	NT	-8.46	0.00	PASS
N77-370	30	90	CP-16QAM	M	Outer_Full	VN	NT	-16.91	0.00	PASS

0-3980										
N77-370 0-3980	30	90	CP-16QAM	M	Outer_Full	VH	NT	1.19	0.00	PASS
N77-370 0-3980	30	90	CP-QPSK	H	Outer_Full	VL	NT	-25.34	-0.01	PASS
N77-370 0-3980	30	90	CP-QPSK	H	Outer_Full	VN	NT	-22.54	-0.01	PASS
N77-370 0-3980	30	90	CP-QPSK	H	Outer_Full	VH	NT	-18.04	0.00	PASS
N77-370 0-3980	30	90	CP-16QAM	H	Outer_Full	VL	NT	-11.68	0.00	PASS
N77-370 0-3980	30	90	CP-16QAM	H	Outer_Full	VN	NT	-15.80	0.00	PASS
N77-370 0-3980	30	90	CP-16QAM	H	Outer_Full	VH	NT	-19.58	0.00	PASS
N77-370 0-3980	30	100	CP-QPSK	L	Outer_Full	VL	NT	-28.74	-0.01	PASS
N77-370 0-3980	30	100	CP-QPSK	L	Outer_Full	VN	NT	-40.04	-0.01	PASS
N77-370 0-3980	30	100	CP-QPSK	L	Outer_Full	VH	NT	-43.54	-0.01	PASS
N77-370 0-3980	30	100	CP-16QAM	L	Outer_Full	VL	NT	-24.32	-0.01	PASS
N77-370 0-3980	30	100	CP-16QAM	L	Outer_Full	VN	NT	-25.22	-0.01	PASS
N77-370 0-3980	30	100	CP-16QAM	L	Outer_Full	VH	NT	-15.89	0.00	PASS
N77-370 0-3980	30	100	CP-QPSK	M	Outer_Full	VL	NT	-9.62	0.00	PASS
N77-370 0-3980	30	100	CP-QPSK	M	Outer_Full	VN	NT	-12.92	0.00	PASS
N77-370 0-3980	30	100	CP-QPSK	M	Outer_Full	VH	NT	-20.96	-0.01	PASS
N77-370 0-3980	30	100	CP-16QAM	M	Outer_Full	VL	NT	-14.44	0.00	PASS
N77-370 0-3980	30	100	CP-16QAM	M	Outer_Full	VN	NT	-13.29	0.00	PASS
N77-370 0-3980	30	100	CP-16QAM	M	Outer_Full	VH	NT	-8.14	0.00	PASS
N77-370 0-3980	30	100	CP-QPSK	H	Outer_Full	VL	NT	-18.56	0.00	PASS
N77-370	30	100	CP-QPSK	H	Outer_Full	VN	NT	-18.89	0.00	PASS

0-3980										
N77-370 0-3980	30	100	CP-QPSK	H	Outer_Full	VH	NT	-27.63	-0.01	PASS
N77-370 0-3980	30	100	CP-16QAM	H	Outer_Full	VL	NT	-32.55	-0.01	PASS
N77-370 0-3980	30	100	CP-16QAM	H	Outer_Full	VN	NT	-28.25	-0.01	PASS
N77-370 0-3980	30	100	CP-16QAM	H	Outer_Full	VH	NT	-21.92	-0.01	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	20	CP-QPSK	L	Outer_Full	NV	-30	-37.860798	-0.010205	PASS
N77-370 0-3980	30	20	CP-QPSK	L	Outer_Full	NV	-20	-30.675083	-0.008268	PASS
N77-370 0-3980	30	20	CP-QPSK	L	Outer_Full	NV	-10	-22.045723	-0.005942	PASS
N77-370 0-3980	30	20	CP-QPSK	L	Outer_Full	NV	0	-11.639272	-0.003137	PASS
N77-370 0-3980	30	20	CP-QPSK	L	Outer_Full	NV	10	-36.330639	-0.009793	PASS
N77-370 0-3980	30	20	CP-QPSK	L	Outer_Full	NV	20	-26.153131	-0.007049	PASS
N77-370 0-3980	30	20	CP-QPSK	L	Outer_Full	NV	30	-37.592659	-0.010133	PASS
N77-370 0-3980	30	20	CP-QPSK	L	Outer_Full	NV	40	-31.219315	-0.008415	PASS
N77-370 0-3980	30	20	CP-QPSK	L	Outer_Full	NV	50	-26.320099	-0.007094	PASS
N77-370 0-3980	30	20	CP-16QAM	L	Outer_Full	NV	-30	-27.667145	-0.007457	PASS
N77-370 0-3980	30	20	CP-16QAM	L	Outer_Full	NV	-20	-44.247166	-0.011926	PASS
N77-370 0-3980	30	20	CP-16QAM	L	Outer_Full	NV	-10	-25.600418	-0.006900	PASS
N77-370 0-3980	30	20	CP-16QAM	L	Outer_Full	NV	0	-26.993372	-0.007276	PASS
N77-370	30	20	CP-16QAM	L	Outer_Full	NV	10	-27.185795	-0.007328	PASS

0-3980										
N77-370 0-3980	30	20	CP-16QAM	L	Outer_Full	NV	20	-24.274389	-0.006543	PASS
N77-370 0-3980	30	20	CP-16QAM	L	Outer_Full	NV	30	-24.119829	-0.006501	PASS
N77-370 0-3980	30	20	CP-16QAM	L	Outer_Full	NV	40	-28.982603	-0.007812	PASS
N77-370 0-3980	30	20	CP-16QAM	L	Outer_Full	NV	50	-28.741930	-0.007747	PASS
N77-370 0-3980	30	20	CP-QPSK	M	Outer_Full	NV	-30	-28.973404	-0.007545	PASS
N77-370 0-3980	30	20	CP-QPSK	M	Outer_Full	NV	-20	-11.332893	-0.002951	PASS
N77-370 0-3980	30	20	CP-QPSK	M	Outer_Full	NV	-10	-33.143074	-0.008631	PASS
N77-370 0-3980	30	20	CP-QPSK	M	Outer_Full	NV	0	-3.478543	-0.000906	PASS
N77-370 0-3980	30	20	CP-QPSK	M	Outer_Full	NV	10	-18.436638	-0.004801	PASS
N77-370 0-3980	30	20	CP-QPSK	M	Outer_Full	NV	20	-9.601285	-0.002500	PASS
N77-370 0-3980	30	20	CP-QPSK	M	Outer_Full	NV	30	-21.814051	-0.005681	PASS
N77-370 0-3980	30	20	CP-QPSK	M	Outer_Full	NV	40	-11.378339	-0.002963	PASS
N77-370 0-3980	30	20	CP-QPSK	M	Outer_Full	NV	50	-19.544329	-0.005090	PASS
N77-370 0-3980	30	20	CP-16QAM	M	Outer_Full	NV	-30	-33.986675	-0.008851	PASS
N77-370 0-3980	30	20	CP-16QAM	M	Outer_Full	NV	-20	-18.996218	-0.004947	PASS
N77-370 0-3980	30	20	CP-16QAM	M	Outer_Full	NV	-10	-25.184519	-0.006558	PASS
N77-370 0-3980	30	20	CP-16QAM	M	Outer_Full	NV	0	-7.379467	-0.001922	PASS
N77-370 0-3980	30	20	CP-16QAM	M	Outer_Full	NV	10	-15.367726	-0.004002	PASS
N77-370 0-3980	30	20	CP-16QAM	M	Outer_Full	NV	20	-23.601877	-0.006146	PASS
N77-370 0-3980	30	20	CP-16QAM	M	Outer_Full	NV	30	-9.045188	-0.002356	PASS
N77-370	30	20	CP-16QAM	M	Outer_Full	NV	40	-16.022537	-0.004173	PASS

0-3980										
N77-370 0-3980	30	20	CP-16QAM	M	Outer_Full	NV	50	-21.991650	-0.005727	PASS
N77-370 0-3980	30	20	CP-QPSK	H	Outer_Full	NV	-30	-15.778958	-0.003975	PASS
N77-370 0-3980	30	20	CP-QPSK	H	Outer_Full	NV	-20	-19.063528	-0.004802	PASS
N77-370 0-3980	30	20	CP-QPSK	H	Outer_Full	NV	-10	-38.401299	-0.009673	PASS
N77-370 0-3980	30	20	CP-QPSK	H	Outer_Full	NV	0	-30.032448	-0.007565	PASS
N77-370 0-3980	30	20	CP-QPSK	H	Outer_Full	NV	10	-21.089697	-0.005312	PASS
N77-370 0-3980	30	20	CP-QPSK	H	Outer_Full	NV	20	-28.416309	-0.007158	PASS
N77-370 0-3980	30	20	CP-QPSK	H	Outer_Full	NV	30	-14.749722	-0.003715	PASS
N77-370 0-3980	30	20	CP-QPSK	H	Outer_Full	NV	40	-15.046680	-0.003790	PASS
N77-370 0-3980	30	20	CP-QPSK	H	Outer_Full	NV	50	-35.618607	-0.008972	PASS
N77-370 0-3980	30	20	CP-16QAM	H	Outer_Full	NV	-30	-31.681042	-0.007980	PASS
N77-370 0-3980	30	20	CP-16QAM	H	Outer_Full	NV	-20	-31.560106	-0.007950	PASS
N77-370 0-3980	30	20	CP-16QAM	H	Outer_Full	NV	-10	-25.498257	-0.006423	PASS
N77-370 0-3980	30	20	CP-16QAM	H	Outer_Full	NV	0	-24.387638	-0.006143	PASS
N77-370 0-3980	30	20	CP-16QAM	H	Outer_Full	NV	10	-18.177071	-0.004579	PASS
N77-370 0-3980	30	20	CP-16QAM	H	Outer_Full	NV	20	-33.381130	-0.008408	PASS
N77-370 0-3980	30	20	CP-16QAM	H	Outer_Full	NV	30	-46.162979	-0.011628	PASS
N77-370 0-3980	30	20	CP-16QAM	H	Outer_Full	NV	40	-23.540581	-0.005930	PASS
N77-370 0-3980	30	20	CP-16QAM	H	Outer_Full	NV	50	-17.366829	-0.004375	PASS
N77-370 0-3980	30	40	CP-QPSK	L	Outer_Full	NV	-30	-40.726746	-0.010948	PASS
N77-370	30	40	CP-QPSK	L	Outer_Full	NV	-20	-32.859989	-0.008833	PASS

0-3980										
N77-370 0-3980	30	40	CP-QPSK	L	Outer_Full	NV	-10	-34.789417	-0.009352	PASS
N77-370 0-3980	30	40	CP-QPSK	L	Outer_Full	NV	0	-53.282032	-0.014323	PASS
N77-370 0-3980	30	40	CP-QPSK	L	Outer_Full	NV	10	-24.577158	-0.006607	PASS
N77-370 0-3980	30	40	CP-QPSK	L	Outer_Full	NV	20	-34.752251	-0.009342	PASS
N77-370 0-3980	30	40	CP-QPSK	L	Outer_Full	NV	30	-18.059160	-0.004855	PASS
N77-370 0-3980	30	40	CP-QPSK	L	Outer_Full	NV	40	-40.954971	-0.011009	PASS
N77-370 0-3980	30	40	CP-QPSK	L	Outer_Full	NV	50	-21.102934	-0.005673	PASS
N77-370 0-3980	30	40	CP-16QAM	L	Outer_Full	NV	-30	-33.310493	-0.008954	PASS
N77-370 0-3980	30	40	CP-16QAM	L	Outer_Full	NV	-20	-23.088869	-0.006207	PASS
N77-370 0-3980	30	40	CP-16QAM	L	Outer_Full	NV	-10	-17.756109	-0.004773	PASS
N77-370 0-3980	30	40	CP-16QAM	L	Outer_Full	NV	0	-33.063843	-0.008888	PASS
N77-370 0-3980	30	40	CP-16QAM	L	Outer_Full	NV	10	-38.219696	-0.010274	PASS
N77-370 0-3980	30	40	CP-16QAM	L	Outer_Full	NV	20	-26.157242	-0.007032	PASS
N77-370 0-3980	30	40	CP-16QAM	L	Outer_Full	NV	30	-38.313858	-0.010299	PASS
N77-370 0-3980	30	40	CP-16QAM	L	Outer_Full	NV	40	-25.791695	-0.006933	PASS
N77-370 0-3980	30	40	CP-16QAM	L	Outer_Full	NV	50	-31.555014	-0.008483	PASS
N77-370 0-3980	30	40	CP-QPSK	M	Outer_Full	NV	-30	-18.620544	-0.004849	PASS
N77-370 0-3980	30	40	CP-QPSK	M	Outer_Full	NV	-20	-6.888406	-0.001794	PASS
N77-370 0-3980	30	40	CP-QPSK	M	Outer_Full	NV	-10	-13.501182	-0.003516	PASS
N77-370 0-3980	30	40	CP-QPSK	M	Outer_Full	NV	0	-30.782251	-0.008016	PASS
N77-370	30	40	CP-QPSK	M	Outer_Full	NV	10	-23.101849	-0.006016	PASS

0-3980										
N77-370 0-3980	30	40	CP-QPSK	M	Outer_Full	NV	20	-12.287665	-0.003200	PASS
N77-370 0-3980	30	40	CP-QPSK	M	Outer_Full	NV	30	-16.302132	-0.004245	PASS
N77-370 0-3980	30	40	CP-QPSK	M	Outer_Full	NV	40	-23.441883	-0.006105	PASS
N77-370 0-3980	30	40	CP-QPSK	M	Outer_Full	NV	50	-24.279282	-0.006323	PASS
N77-370 0-3980	30	40	CP-16QAM	M	Outer_Full	NV	-30	-19.419460	-0.005057	PASS
N77-370 0-3980	30	40	CP-16QAM	M	Outer_Full	NV	-20	-11.647864	-0.003033	PASS
N77-370 0-3980	30	40	CP-16QAM	M	Outer_Full	NV	-10	-25.559820	-0.006656	PASS
N77-370 0-3980	30	40	CP-16QAM	M	Outer_Full	NV	0	0.392002	0.000102	PASS
N77-370 0-3980	30	40	CP-16QAM	M	Outer_Full	NV	10	-12.580401	-0.003276	PASS
N77-370 0-3980	30	40	CP-16QAM	M	Outer_Full	NV	20	-27.442816	-0.007147	PASS
N77-370 0-3980	30	40	CP-16QAM	M	Outer_Full	NV	30	-16.996048	-0.004426	PASS
N77-370 0-3980	30	40	CP-16QAM	M	Outer_Full	NV	40	-27.563213	-0.007178	PASS
N77-370 0-3980	30	40	CP-16QAM	M	Outer_Full	NV	50	-15.607755	-0.004065	PASS
N77-370 0-3980	30	40	CP-QPSK	H	Outer_Full	NV	-30	-21.651009	-0.005467	PASS
N77-370 0-3980	30	40	CP-QPSK	H	Outer_Full	NV	-20	-42.646317	-0.010769	PASS
N77-370 0-3980	30	40	CP-QPSK	H	Outer_Full	NV	-10	-29.913471	-0.007554	PASS
N77-370 0-3980	30	40	CP-QPSK	H	Outer_Full	NV	0	-33.953541	-0.008574	PASS
N77-370 0-3980	30	40	CP-QPSK	H	Outer_Full	NV	10	-28.080240	-0.007091	PASS
N77-370 0-3980	30	40	CP-QPSK	H	Outer_Full	NV	20	-23.997793	-0.006060	PASS
N77-370 0-3980	30	40	CP-QPSK	H	Outer_Full	NV	30	-32.124695	-0.008112	PASS
N77-370	30	40	CP-QPSK	H	Outer_Full	NV	40	-41.800407	-0.010556	PASS

0-3980										
N77-370 0-3980	30	40	CP-QPSK	H	Outer_Full	NV	50	-26.923052	-0.006799	PASS
N77-370 0-3980	30	40	CP-16QAM	H	Outer_Full	NV	-30	-17.359098	-0.004384	PASS
N77-370 0-3980	30	40	CP-16QAM	H	Outer_Full	NV	-20	-38.795300	-0.009797	PASS
N77-370 0-3980	30	40	CP-16QAM	H	Outer_Full	NV	-10	-34.847538	-0.008800	PASS
N77-370 0-3980	30	40	CP-16QAM	H	Outer_Full	NV	0	-27.022270	-0.006824	PASS
N77-370 0-3980	30	40	CP-16QAM	H	Outer_Full	NV	10	-26.253859	-0.006630	PASS
N77-370 0-3980	30	40	CP-16QAM	H	Outer_Full	NV	20	-41.184326	-0.010400	PASS
N77-370 0-3980	30	40	CP-16QAM	H	Outer_Full	NV	30	-34.683758	-0.008759	PASS
N77-370 0-3980	30	40	CP-16QAM	H	Outer_Full	NV	40	-25.148155	-0.006351	PASS
N77-370 0-3980	30	40	CP-16QAM	H	Outer_Full	NV	50	-39.766106	-0.010042	PASS
N77-370 0-3980	30	50	CP-QPSK	L	Outer_Full	NV	-30	-26.536629	-0.007124	PASS
N77-370 0-3980	30	50	CP-QPSK	L	Outer_Full	NV	-20	-17.865946	-0.004796	PASS
N77-370 0-3980	30	50	CP-QPSK	L	Outer_Full	NV	-10	-18.498867	-0.004966	PASS
N77-370 0-3980	30	50	CP-QPSK	L	Outer_Full	NV	0	-36.320698	-0.009751	PASS
N77-370 0-3980	30	50	CP-QPSK	L	Outer_Full	NV	10	-24.522198	-0.006583	PASS
N77-370 0-3980	30	50	CP-QPSK	L	Outer_Full	NV	20	-32.170937	-0.008636	PASS
N77-370 0-3980	30	50	CP-QPSK	L	Outer_Full	NV	30	-18.656515	-0.005008	PASS
N77-370 0-3980	30	50	CP-QPSK	L	Outer_Full	NV	40	-21.305862	-0.005720	PASS
N77-370 0-3980	30	50	CP-QPSK	L	Outer_Full	NV	50	-24.988491	-0.006708	PASS
N77-370 0-3980	30	50	CP-16QAM	L	Outer_Full	NV	-30	-24.437809	-0.006560	PASS
N77-370	30	50	CP-16QAM	L	Outer_Full	NV	-20	-16.064016	-0.004312	PASS

0-3980										
N77-370 0-3980	30	50	CP-16QAM	L	Outer_Full	NV	-10	-11.158872	-0.002996	PASS
N77-370 0-3980	30	50	CP-16QAM	L	Outer_Full	NV	0	-6.406715	-0.001720	PASS
N77-370 0-3980	30	50	CP-16QAM	L	Outer_Full	NV	10	-23.115191	-0.006205	PASS
N77-370 0-3980	30	50	CP-16QAM	L	Outer_Full	NV	20	-13.525975	-0.003631	PASS
N77-370 0-3980	30	50	CP-16QAM	L	Outer_Full	NV	30	-24.921261	-0.006690	PASS
N77-370 0-3980	30	50	CP-16QAM	L	Outer_Full	NV	40	-38.634674	-0.010372	PASS
N77-370 0-3980	30	50	CP-16QAM	L	Outer_Full	NV	50	-26.863159	-0.007212	PASS
N77-370 0-3980	30	50	CP-QPSK	M	Outer_Full	NV	-30	-8.914803	-0.002322	PASS
N77-370 0-3980	30	50	CP-QPSK	M	Outer_Full	NV	-20	-10.811562	-0.002816	PASS
N77-370 0-3980	30	50	CP-QPSK	M	Outer_Full	NV	-10	-24.064898	-0.006267	PASS
N77-370 0-3980	30	50	CP-QPSK	M	Outer_Full	NV	0	-9.002752	-0.002344	PASS
N77-370 0-3980	30	50	CP-QPSK	M	Outer_Full	NV	10	-29.416960	-0.007661	PASS
N77-370 0-3980	30	50	CP-QPSK	M	Outer_Full	NV	20	-23.073647	-0.006009	PASS
N77-370 0-3980	30	50	CP-QPSK	M	Outer_Full	NV	30	-13.018222	-0.003390	PASS
N77-370 0-3980	30	50	CP-QPSK	M	Outer_Full	NV	40	-25.476633	-0.006635	PASS
N77-370 0-3980	30	50	CP-QPSK	M	Outer_Full	NV	50	-33.373829	-0.008691	PASS
N77-370 0-3980	30	50	CP-16QAM	M	Outer_Full	NV	-30	-52.645000	-0.013710	PASS
N77-370 0-3980	30	50	CP-16QAM	M	Outer_Full	NV	-20	-13.600619	-0.003542	PASS
N77-370 0-3980	30	50	CP-16QAM	M	Outer_Full	NV	-10	-9.608960	-0.002502	PASS
N77-370 0-3980	30	50	CP-16QAM	M	Outer_Full	NV	0	-8.055429	-0.002098	PASS
N77-370	30	50	CP-16QAM	M	Outer_Full	NV	10	-22.895290	-0.005962	PASS

0-3980										
N77-370 0-3980	30	50	CP-16QAM	M	Outer_Full	NV	20	-17.133869	-0.004462	PASS
N77-370 0-3980	30	50	CP-16QAM	M	Outer_Full	NV	30	-12.816316	-0.003338	PASS
N77-370 0-3980	30	50	CP-16QAM	M	Outer_Full	NV	40	-8.700827	-0.002266	PASS
N77-370 0-3980	30	50	CP-16QAM	M	Outer_Full	NV	50	-22.574595	-0.005879	PASS
N77-370 0-3980	30	50	CP-QPSK	H	Outer_Full	NV	-30	-30.543434	-0.007723	PASS
N77-370 0-3980	30	50	CP-QPSK	H	Outer_Full	NV	-20	-34.822987	-0.008805	PASS
N77-370 0-3980	30	50	CP-QPSK	H	Outer_Full	NV	-10	-30.008053	-0.007587	PASS
N77-370 0-3980	30	50	CP-QPSK	H	Outer_Full	NV	0	-22.172106	-0.005606	PASS
N77-370 0-3980	30	50	CP-QPSK	H	Outer_Full	NV	10	-24.999933	-0.006321	PASS
N77-370 0-3980	30	50	CP-QPSK	H	Outer_Full	NV	20	-24.344109	-0.006155	PASS
N77-370 0-3980	30	50	CP-QPSK	H	Outer_Full	NV	30	-20.357187	-0.005147	PASS
N77-370 0-3980	30	50	CP-QPSK	H	Outer_Full	NV	40	-33.829990	-0.008554	PASS
N77-370 0-3980	30	50	CP-QPSK	H	Outer_Full	NV	50	-25.101213	-0.006347	PASS
N77-370 0-3980	30	50	CP-16QAM	H	Outer_Full	NV	-30	-40.885677	-0.010338	PASS
N77-370 0-3980	30	50	CP-16QAM	H	Outer_Full	NV	-20	-41.426414	-0.010474	PASS
N77-370 0-3980	30	50	CP-16QAM	H	Outer_Full	NV	-10	-23.512367	-0.005945	PASS
N77-370 0-3980	30	50	CP-16QAM	H	Outer_Full	NV	0	-44.361282	-0.011217	PASS
N77-370 0-3980	30	50	CP-16QAM	H	Outer_Full	NV	10	-21.629604	-0.005469	PASS
N77-370 0-3980	30	50	CP-16QAM	H	Outer_Full	NV	20	-21.189915	-0.005358	PASS
N77-370 0-3980	30	50	CP-16QAM	H	Outer_Full	NV	30	-38.716526	-0.009789	PASS
N77-370	30	50	CP-16QAM	H	Outer_Full	NV	40	-34.090805	-0.008620	PASS

0-3980										
N77-370 0-3980	30	50	CP-16QAM	H	Outer_Full	NV	50	-31.452539	-0.007953	PASS
N77-370 0-3980	30	60	CP-QPSK	L	Outer_Full	NV	-30	-42.817356	-0.011479	PASS
N77-370 0-3980	30	60	CP-QPSK	L	Outer_Full	NV	-20	-38.142666	-0.010226	PASS
N77-370 0-3980	30	60	CP-QPSK	L	Outer_Full	NV	-10	-48.196983	-0.012921	PASS
N77-370 0-3980	30	60	CP-QPSK	L	Outer_Full	NV	0	-47.609962	-0.012764	PASS
N77-370 0-3980	30	60	CP-QPSK	L	Outer_Full	NV	10	-42.900951	-0.011502	PASS
N77-370 0-3980	30	60	CP-QPSK	L	Outer_Full	NV	20	-39.990139	-0.010721	PASS
N77-370 0-3980	30	60	CP-QPSK	L	Outer_Full	NV	30	-24.460264	-0.006558	PASS
N77-370 0-3980	30	60	CP-QPSK	L	Outer_Full	NV	40	-36.345013	-0.009744	PASS
N77-370 0-3980	30	60	CP-QPSK	L	Outer_Full	NV	50	-43.854843	-0.011757	PASS
N77-370 0-3980	30	60	CP-16QAM	L	Outer_Full	NV	-30	-39.042313	-0.010467	PASS
N77-370 0-3980	30	60	CP-16QAM	L	Outer_Full	NV	-20	-40.882732	-0.010960	PASS
N77-370 0-3980	30	60	CP-16QAM	L	Outer_Full	NV	-10	-36.257713	-0.009721	PASS
N77-370 0-3980	30	60	CP-16QAM	L	Outer_Full	NV	0	-28.862629	-0.007738	PASS
N77-370 0-3980	30	60	CP-16QAM	L	Outer_Full	NV	10	-27.210896	-0.007295	PASS
N77-370 0-3980	30	60	CP-16QAM	L	Outer_Full	NV	20	-44.764584	-0.012001	PASS
N77-370 0-3980	30	60	CP-16QAM	L	Outer_Full	NV	30	-39.564995	-0.010607	PASS
N77-370 0-3980	30	60	CP-16QAM	L	Outer_Full	NV	40	-31.903021	-0.008553	PASS
N77-370 0-3980	30	60	CP-16QAM	L	Outer_Full	NV	50	-49.283554	-0.013213	PASS
N77-370 0-3980	30	60	CP-QPSK	M	Outer_Full	NV	-30	-1.045963	-0.000272	PASS
N77-370	30	60	CP-QPSK	M	Outer_Full	NV	-20	-4.426532	-0.001153	PASS

0-3980										
N77-370 0-3980	30	60	CP-QPSK	M	Outer_Full	NV	-10	-21.223736	-0.005527	PASS
N77-370 0-3980	30	60	CP-QPSK	M	Outer_Full	NV	0	-25.877586	-0.006739	PASS
N77-370 0-3980	30	60	CP-QPSK	M	Outer_Full	NV	10	-26.532883	-0.006910	PASS
N77-370 0-3980	30	60	CP-QPSK	M	Outer_Full	NV	20	-0.668296	-0.000174	PASS
N77-370 0-3980	30	60	CP-QPSK	M	Outer_Full	NV	30	-14.826663	-0.003861	PASS
N77-370 0-3980	30	60	CP-QPSK	M	Outer_Full	NV	40	-25.918911	-0.006750	PASS
N77-370 0-3980	30	60	CP-QPSK	M	Outer_Full	NV	50	-35.224117	-0.009173	PASS
N77-370 0-3980	30	60	CP-16QAM	M	Outer_Full	NV	-30	-15.679832	-0.004083	PASS
N77-370 0-3980	30	60	CP-16QAM	M	Outer_Full	NV	-20	-15.300731	-0.003985	PASS
N77-370 0-3980	30	60	CP-16QAM	M	Outer_Full	NV	-10	-15.862581	-0.004131	PASS
N77-370 0-3980	30	60	CP-16QAM	M	Outer_Full	NV	0	-13.543972	-0.003527	PASS
N77-370 0-3980	30	60	CP-16QAM	M	Outer_Full	NV	10	-6.395075	-0.001665	PASS
N77-370 0-3980	30	60	CP-16QAM	M	Outer_Full	NV	20	-32.906155	-0.008569	PASS
N77-370 0-3980	30	60	CP-16QAM	M	Outer_Full	NV	30	-2.696227	-0.000702	PASS
N77-370 0-3980	30	60	CP-16QAM	M	Outer_Full	NV	40	-20.928951	-0.005450	PASS
N77-370 0-3980	30	60	CP-16QAM	M	Outer_Full	NV	50	-36.172653	-0.009420	PASS
N77-370 0-3980	30	60	CP-QPSK	H	Outer_Full	NV	-30	-35.556477	-0.009002	PASS
N77-370 0-3980	30	60	CP-QPSK	H	Outer_Full	NV	-20	-46.739285	-0.011833	PASS
N77-370 0-3980	30	60	CP-QPSK	H	Outer_Full	NV	-10	-27.648563	-0.007000	PASS
N77-370 0-3980	30	60	CP-QPSK	H	Outer_Full	NV	0	-19.681713	-0.004983	PASS
N77-370	30	60	CP-QPSK	H	Outer_Full	NV	10	-23.943380	-0.006062	PASS

0-3980										
N77-370 0-3980	30	60	CP-QPSK	H	Outer_Full	NV	20	-26.345612	-0.006670	PASS
N77-370 0-3980	30	60	CP-QPSK	H	Outer_Full	NV	30	-26.648453	-0.006746	PASS
N77-370 0-3980	30	60	CP-QPSK	H	Outer_Full	NV	40	-21.296047	-0.005391	PASS
N77-370 0-3980	30	60	CP-QPSK	H	Outer_Full	NV	50	-38.215355	-0.009675	PASS
N77-370 0-3980	30	60	CP-16QAM	H	Outer_Full	NV	-30	-39.952942	-0.010115	PASS
N77-370 0-3980	30	60	CP-16QAM	H	Outer_Full	NV	-20	-20.286198	-0.005136	PASS
N77-370 0-3980	30	60	CP-16QAM	H	Outer_Full	NV	-10	-23.806551	-0.006027	PASS
N77-370 0-3980	30	60	CP-16QAM	H	Outer_Full	NV	0	-27.038351	-0.006845	PASS
N77-370 0-3980	30	60	CP-16QAM	H	Outer_Full	NV	10	-28.709486	-0.007268	PASS
N77-370 0-3980	30	60	CP-16QAM	H	Outer_Full	NV	20	-30.400953	-0.007696	PASS
N77-370 0-3980	30	60	CP-16QAM	H	Outer_Full	NV	30	-26.950369	-0.006823	PASS
N77-370 0-3980	30	60	CP-16QAM	H	Outer_Full	NV	40	-45.531090	-0.011527	PASS
N77-370 0-3980	30	60	CP-16QAM	H	Outer_Full	NV	50	-22.005371	-0.005571	PASS
N77-370 0-3980	30	80	CP-QPSK	L	Outer_Full	NV	-30	-42.225067	-0.011290	PASS
N77-370 0-3980	30	80	CP-QPSK	L	Outer_Full	NV	-20	-30.602577	-0.008182	PASS
N77-370 0-3980	30	80	CP-QPSK	L	Outer_Full	NV	-10	-32.825272	-0.008777	PASS
N77-370 0-3980	30	80	CP-QPSK	L	Outer_Full	NV	0	-47.550499	-0.012714	PASS
N77-370 0-3980	30	80	CP-QPSK	L	Outer_Full	NV	10	-31.183384	-0.008338	PASS
N77-370 0-3980	30	80	CP-QPSK	L	Outer_Full	NV	20	-35.609459	-0.009521	PASS
N77-370 0-3980	30	80	CP-QPSK	L	Outer_Full	NV	30	-32.341801	-0.008648	PASS
N77-370	30	80	CP-QPSK	L	Outer_Full	NV	40	-27.234098	-0.007282	PASS

0-3980										
N77-370 0-3980	30	80	CP-QPSK	L	Outer_Full	NV	50	-22.802780	-0.006097	PASS
N77-370 0-3980	30	80	CP-16QAM	L	Outer_Full	NV	-30	-30.093542	-0.008046	PASS
N77-370 0-3980	30	80	CP-16QAM	L	Outer_Full	NV	-20	-36.345600	-0.009718	PASS
N77-370 0-3980	30	80	CP-16QAM	L	Outer_Full	NV	-10	-42.191647	-0.011281	PASS
N77-370 0-3980	30	80	CP-16QAM	L	Outer_Full	NV	0	-23.567978	-0.006302	PASS
N77-370 0-3980	30	80	CP-16QAM	L	Outer_Full	NV	10	-48.371502	-0.012934	PASS
N77-370 0-3980	30	80	CP-16QAM	L	Outer_Full	NV	20	-23.919065	-0.006395	PASS
N77-370 0-3980	30	80	CP-16QAM	L	Outer_Full	NV	30	-47.184433	-0.012616	PASS
N77-370 0-3980	30	80	CP-16QAM	L	Outer_Full	NV	40	-20.684809	-0.005531	PASS
N77-370 0-3980	30	80	CP-16QAM	L	Outer_Full	NV	50	-17.725206	-0.004739	PASS
N77-370 0-3980	30	80	CP-QPSK	M	Outer_Full	NV	-30	-23.789564	-0.006195	PASS
N77-370 0-3980	30	80	CP-QPSK	M	Outer_Full	NV	-20	-11.188102	-0.002914	PASS
N77-370 0-3980	30	80	CP-QPSK	M	Outer_Full	NV	-10	-12.866055	-0.003351	PASS
N77-370 0-3980	30	80	CP-QPSK	M	Outer_Full	NV	0	-24.937796	-0.006494	PASS
N77-370 0-3980	30	80	CP-QPSK	M	Outer_Full	NV	10	-6.820907	-0.001776	PASS
N77-370 0-3980	30	80	CP-QPSK	M	Outer_Full	NV	20	-9.770246	-0.002544	PASS
N77-370 0-3980	30	80	CP-QPSK	M	Outer_Full	NV	30	-33.031086	-0.008602	PASS
N77-370 0-3980	30	80	CP-QPSK	M	Outer_Full	NV	40	-26.205374	-0.006824	PASS
N77-370 0-3980	30	80	CP-QPSK	M	Outer_Full	NV	50	-17.628942	-0.004591	PASS
N77-370 0-3980	30	80	CP-16QAM	M	Outer_Full	NV	-30	-22.069359	-0.005747	PASS
N77-370	30	80	CP-16QAM	M	Outer_Full	NV	-20	-4.016239	-0.001046	PASS

0-3980										
N77-370 0-3980	30	80	CP-16QAM	M	Outer_Full	NV	-10	-5.472172	-0.001425	PASS
N77-370 0-3980	30	80	CP-16QAM	M	Outer_Full	NV	0	-34.356663	-0.008947	PASS
N77-370 0-3980	30	80	CP-16QAM	M	Outer_Full	NV	10	-6.469750	-0.001685	PASS
N77-370 0-3980	30	80	CP-16QAM	M	Outer_Full	NV	20	-7.987102	-0.002080	PASS
N77-370 0-3980	30	80	CP-16QAM	M	Outer_Full	NV	30	-33.975254	-0.008848	PASS
N77-370 0-3980	30	80	CP-16QAM	M	Outer_Full	NV	40	-27.534365	-0.007170	PASS
N77-370 0-3980	30	80	CP-16QAM	M	Outer_Full	NV	50	-26.201183	-0.006823	PASS
N77-370 0-3980	30	80	CP-QPSK	H	Outer_Full	NV	-30	-9.522595	-0.002417	PASS
N77-370 0-3980	30	80	CP-QPSK	H	Outer_Full	NV	-20	-19.154497	-0.004862	PASS
N77-370 0-3980	30	80	CP-QPSK	H	Outer_Full	NV	-10	-42.287315	-0.010733	PASS
N77-370 0-3980	30	80	CP-QPSK	H	Outer_Full	NV	0	-28.434252	-0.007217	PASS
N77-370 0-3980	30	80	CP-QPSK	H	Outer_Full	NV	10	-38.423088	-0.009752	PASS
N77-370 0-3980	30	80	CP-QPSK	H	Outer_Full	NV	20	-41.738216	-0.010593	PASS
N77-370 0-3980	30	80	CP-QPSK	H	Outer_Full	NV	30	-10.684988	-0.002712	PASS
N77-370 0-3980	30	80	CP-QPSK	H	Outer_Full	NV	40	-34.370930	-0.008724	PASS
N77-370 0-3980	30	80	CP-QPSK	H	Outer_Full	NV	50	-23.900684	-0.006066	PASS
N77-370 0-3980	30	80	CP-16QAM	H	Outer_Full	NV	-30	-24.756655	-0.006283	PASS
N77-370 0-3980	30	80	CP-16QAM	H	Outer_Full	NV	-20	-26.926392	-0.006834	PASS
N77-370 0-3980	30	80	CP-16QAM	H	Outer_Full	NV	-10	-27.450956	-0.006967	PASS
N77-370 0-3980	30	80	CP-16QAM	H	Outer_Full	NV	0	-29.288063	-0.007434	PASS
N77-370	30	80	CP-16QAM	H	Outer_Full	NV	10	-30.263964	-0.007681	PASS

0-3980										
N77-370 0-3980	30	80	CP-16QAM	H	Outer_Full	NV	20	-32.911228	-0.008353	PASS
N77-370 0-3980	30	80	CP-16QAM	H	Outer_Full	NV	30	-28.715794	-0.007288	PASS
N77-370 0-3980	30	80	CP-16QAM	H	Outer_Full	NV	40	-23.487331	-0.005961	PASS
N77-370 0-3980	30	80	CP-16QAM	H	Outer_Full	NV	50	-21.789278	-0.005530	PASS
N77-370 0-3980	30	90	CP-QPSK	L	Outer_Full	NV	-30	-26.177107	-0.006990	PASS
N77-370 0-3980	30	90	CP-QPSK	L	Outer_Full	NV	-20	-28.504950	-0.007611	PASS
N77-370 0-3980	30	90	CP-QPSK	L	Outer_Full	NV	-10	-43.782753	-0.011691	PASS
N77-370 0-3980	30	90	CP-QPSK	L	Outer_Full	NV	0	-26.702557	-0.007130	PASS
N77-370 0-3980	30	90	CP-QPSK	L	Outer_Full	NV	10	-27.786785	-0.007420	PASS
N77-370 0-3980	30	90	CP-QPSK	L	Outer_Full	NV	20	-24.677288	-0.006589	PASS
N77-370 0-3980	30	90	CP-QPSK	L	Outer_Full	NV	30	-15.529428	-0.004147	PASS
N77-370 0-3980	30	90	CP-QPSK	L	Outer_Full	NV	40	-28.410587	-0.007586	PASS
N77-370 0-3980	30	90	CP-QPSK	L	Outer_Full	NV	50	-41.949234	-0.011201	PASS
N77-370 0-3980	30	90	CP-16QAM	L	Outer_Full	NV	-30	-46.224655	-0.012343	PASS
N77-370 0-3980	30	90	CP-16QAM	L	Outer_Full	NV	-20	-48.155674	-0.012859	PASS
N77-370 0-3980	30	90	CP-16QAM	L	Outer_Full	NV	-10	-46.014217	-0.012287	PASS
N77-370 0-3980	30	90	CP-16QAM	L	Outer_Full	NV	0	-43.800396	-0.011696	PASS
N77-370 0-3980	30	90	CP-16QAM	L	Outer_Full	NV	10	-44.220379	-0.011808	PASS
N77-370 0-3980	30	90	CP-16QAM	L	Outer_Full	NV	20	-41.232719	-0.011010	PASS
N77-370 0-3980	30	90	CP-16QAM	L	Outer_Full	NV	30	-59.372135	-0.015854	PASS
N77-370	30	90	CP-16QAM	L	Outer_Full	NV	40	-30.399858	-0.008117	PASS

0-3980										
N77-370 0-3980	30	90	CP-16QAM	L	Outer_Full	NV	50	-21.958784	-0.005863	PASS
N77-370 0-3980	30	90	CP-QPSK	M	Outer_Full	NV	-30	-23.637936	-0.006156	PASS
N77-370 0-3980	30	90	CP-QPSK	M	Outer_Full	NV	-20	-7.094658	-0.001848	PASS
N77-370 0-3980	30	90	CP-QPSK	M	Outer_Full	NV	-10	-3.657265	-0.000952	PASS
N77-370 0-3980	30	90	CP-QPSK	M	Outer_Full	NV	0	-14.472736	-0.003769	PASS
N77-370 0-3980	30	90	CP-QPSK	M	Outer_Full	NV	10	-17.937860	-0.004671	PASS
N77-370 0-3980	30	90	CP-QPSK	M	Outer_Full	NV	20	-13.448306	-0.003502	PASS
N77-370 0-3980	30	90	CP-QPSK	M	Outer_Full	NV	30	-10.477698	-0.002729	PASS
N77-370 0-3980	30	90	CP-QPSK	M	Outer_Full	NV	40	-1.364480	-0.000355	PASS
N77-370 0-3980	30	90	CP-QPSK	M	Outer_Full	NV	50	-15.344631	-0.003996	PASS
N77-370 0-3980	30	90	CP-16QAM	M	Outer_Full	NV	-30	-2.333656	-0.000608	PASS
N77-370 0-3980	30	90	CP-16QAM	M	Outer_Full	NV	-20	-7.112344	-0.001852	PASS
N77-370 0-3980	30	90	CP-16QAM	M	Outer_Full	NV	-10	-7.722387	-0.002011	PASS
N77-370 0-3980	30	90	CP-16QAM	M	Outer_Full	NV	0	-7.270524	-0.001893	PASS
N77-370 0-3980	30	90	CP-16QAM	M	Outer_Full	NV	10	-7.374556	-0.001920	PASS
N77-370 0-3980	30	90	CP-16QAM	M	Outer_Full	NV	20	-2.627157	-0.000684	PASS
N77-370 0-3980	30	90	CP-16QAM	M	Outer_Full	NV	30	-0.739884	-0.000193	PASS
N77-370 0-3980	30	90	CP-16QAM	M	Outer_Full	NV	40	-21.072990	-0.005488	PASS
N77-370 0-3980	30	90	CP-16QAM	M	Outer_Full	NV	50	-14.975263	-0.003900	PASS
N77-370 0-3980	30	90	CP-QPSK	H	Outer_Full	NV	-30	-12.716111	-0.003232	PASS
N77-370	30	90	CP-QPSK	H	Outer_Full	NV	-20	-39.529919	-0.010046	PASS

0-3980										
N77-370 0-3980	30	90	CP-QPSK	H	Outer_Full	NV	-10	-28.265055	-0.007183	PASS
N77-370 0-3980	30	90	CP-QPSK	H	Outer_Full	NV	0	-32.675793	-0.008304	PASS
N77-370 0-3980	30	90	CP-QPSK	H	Outer_Full	NV	10	-33.312473	-0.008466	PASS
N77-370 0-3980	30	90	CP-QPSK	H	Outer_Full	NV	20	-31.778938	-0.008076	PASS
N77-370 0-3980	30	90	CP-QPSK	H	Outer_Full	NV	30	-20.040688	-0.005093	PASS
N77-370 0-3980	30	90	CP-QPSK	H	Outer_Full	NV	40	-35.706993	-0.009074	PASS
N77-370 0-3980	30	90	CP-QPSK	H	Outer_Full	NV	50	-20.409756	-0.005187	PASS
N77-370 0-3980	30	90	CP-16QAM	H	Outer_Full	NV	-30	-19.404593	-0.004931	PASS
N77-370 0-3980	30	90	CP-16QAM	H	Outer_Full	NV	-20	-22.718685	-0.005774	PASS
N77-370 0-3980	30	90	CP-16QAM	H	Outer_Full	NV	-10	-21.135887	-0.005371	PASS
N77-370 0-3980	30	90	CP-16QAM	H	Outer_Full	NV	0	-20.938656	-0.005321	PASS
N77-370 0-3980	30	90	CP-16QAM	H	Outer_Full	NV	10	-17.086443	-0.004342	PASS
N77-370 0-3980	30	90	CP-16QAM	H	Outer_Full	NV	20	-38.766018	-0.009852	PASS
N77-370 0-3980	30	90	CP-16QAM	H	Outer_Full	NV	30	-30.866594	-0.007844	PASS
N77-370 0-3980	30	90	CP-16QAM	H	Outer_Full	NV	40	-24.292349	-0.006173	PASS
N77-370 0-3980	30	90	CP-16QAM	H	Outer_Full	NV	50	-43.434502	-0.011038	PASS
N77-370 0-3980	30	100	CP-QPSK	L	Outer_Full	NV	-30	-34.253777	-0.009134	PASS
N77-370 0-3980	30	100	CP-QPSK	L	Outer_Full	NV	-20	-24.131508	-0.006435	PASS
N77-370 0-3980	30	100	CP-QPSK	L	Outer_Full	NV	-10	-20.200855	-0.005387	PASS
N77-370 0-3980	30	100	CP-QPSK	L	Outer_Full	NV	0	-9.550917	-0.002547	PASS
N77-370	30	100	CP-QPSK	L	Outer_Full	NV	10	-25.793808	-0.006878	PASS

0-3980										
N77-370 0-3980	30	100	CP-QPSK	L	Outer_Full	NV	20	-36.817772	-0.009818	PASS
N77-370 0-3980	30	100	CP-QPSK	L	Outer_Full	NV	30	-8.473130	-0.002260	PASS
N77-370 0-3980	30	100	CP-QPSK	L	Outer_Full	NV	40	-52.259460	-0.013936	PASS
N77-370 0-3980	30	100	CP-QPSK	L	Outer_Full	NV	50	-35.094845	-0.009359	PASS
N77-370 0-3980	30	100	CP-16QAM	L	Outer_Full	NV	-30	-8.280704	-0.002208	PASS
N77-370 0-3980	30	100	CP-16QAM	L	Outer_Full	NV	-20	-16.300028	-0.004347	PASS
N77-370 0-3980	30	100	CP-16QAM	L	Outer_Full	NV	-10	-28.716640	-0.007658	PASS
N77-370 0-3980	30	100	CP-16QAM	L	Outer_Full	NV	0	-16.553749	-0.004414	PASS
N77-370 0-3980	30	100	CP-16QAM	L	Outer_Full	NV	10	-19.844696	-0.005292	PASS
N77-370 0-3980	30	100	CP-16QAM	L	Outer_Full	NV	20	-25.473783	-0.006793	PASS
N77-370 0-3980	30	100	CP-16QAM	L	Outer_Full	NV	30	-12.739084	-0.003397	PASS
N77-370 0-3980	30	100	CP-16QAM	L	Outer_Full	NV	40	-34.996639	-0.009332	PASS
N77-370 0-3980	30	100	CP-16QAM	L	Outer_Full	NV	50	-52.947842	-0.014119	PASS
N77-370 0-3980	30	100	CP-QPSK	M	Outer_Full	NV	-30	-10.864831	-0.002829	PASS
N77-370 0-3980	30	100	CP-QPSK	M	Outer_Full	NV	-20	-24.012884	-0.006253	PASS
N77-370 0-3980	30	100	CP-QPSK	M	Outer_Full	NV	-10	9.972894	0.002597	PASS
N77-370 0-3980	30	100	CP-QPSK	M	Outer_Full	NV	0	-13.541262	-0.003526	PASS
N77-370 0-3980	30	100	CP-QPSK	M	Outer_Full	NV	10	-31.282749	-0.008147	PASS
N77-370 0-3980	30	100	CP-QPSK	M	Outer_Full	NV	20	-7.290461	-0.001899	PASS
N77-370 0-3980	30	100	CP-QPSK	M	Outer_Full	NV	30	-17.340567	-0.004516	PASS
N77-370	30	100	CP-QPSK	M	Outer_Full	NV	40	-3.530504	-0.000919	PASS

0-3980										
N77-370 0-3980	30	100	CP-QPSK	M	Outer_Full	NV	50	-5.780028	-0.001505	PASS
N77-370 0-3980	30	100	CP-16QAM	M	Outer_Full	NV	-30	-22.143969	-0.005767	PASS
N77-370 0-3980	30	100	CP-16QAM	M	Outer_Full	NV	-20	-10.239090	-0.002666	PASS
N77-370 0-3980	30	100	CP-16QAM	M	Outer_Full	NV	-10	-0.599962	-0.000156	PASS
N77-370 0-3980	30	100	CP-16QAM	M	Outer_Full	NV	0	-27.895521	-0.007264	PASS
N77-370 0-3980	30	100	CP-16QAM	M	Outer_Full	NV	10	-15.782518	-0.004110	PASS
N77-370 0-3980	30	100	CP-16QAM	M	Outer_Full	NV	20	-2.983378	-0.000777	PASS
N77-370 0-3980	30	100	CP-16QAM	M	Outer_Full	NV	30	-22.913292	-0.005967	PASS
N77-370 0-3980	30	100	CP-16QAM	M	Outer_Full	NV	40	-27.548380	-0.007174	PASS
N77-370 0-3980	30	100	CP-16QAM	M	Outer_Full	NV	50	-7.624223	-0.001985	PASS
N77-370 0-3980	30	100	CP-QPSK	H	Outer_Full	NV	-30	-37.472706	-0.009535	PASS
N77-370 0-3980	30	100	CP-QPSK	H	Outer_Full	NV	-20	-30.706982	-0.007813	PASS
N77-370 0-3980	30	100	CP-QPSK	H	Outer_Full	NV	-10	-43.424328	-0.011049	PASS
N77-370 0-3980	30	100	CP-QPSK	H	Outer_Full	NV	0	-32.530991	-0.008278	PASS
N77-370 0-3980	30	100	CP-QPSK	H	Outer_Full	NV	10	-31.864458	-0.008108	PASS
N77-370 0-3980	30	100	CP-QPSK	H	Outer_Full	NV	20	-43.078182	-0.010961	PASS
N77-370 0-3980	30	100	CP-QPSK	H	Outer_Full	NV	30	-16.815739	-0.004279	PASS
N77-370 0-3980	30	100	CP-QPSK	H	Outer_Full	NV	40	-21.706366	-0.005523	PASS
N77-370 0-3980	30	100	CP-QPSK	H	Outer_Full	NV	50	-23.783142	-0.006052	PASS
N77-370 0-3980	30	100	CP-16QAM	H	Outer_Full	NV	-30	-14.582188	-0.003710	PASS
N77-370	30	100	CP-16QAM	H	Outer_Full	NV	-20	-22.676498	-0.005770	PASS

0-3980										
N77-370 0-3980	30	100	CP-16QAM	H	Outer_Full	NV	-10	-31.021137	-0.007893	PASS
N77-370 0-3980	30	100	CP-16QAM	H	Outer_Full	NV	0	-35.163593	-0.008947	PASS
N77-370 0-3980	30	100	CP-16QAM	H	Outer_Full	NV	10	-22.614614	-0.005754	PASS
N77-370 0-3980	30	100	CP-16QAM	H	Outer_Full	NV	20	-29.815773	-0.007587	PASS
N77-370 0-3980	30	100	CP-16QAM	H	Outer_Full	NV	30	-30.630613	-0.007794	PASS
N77-370 0-3980	30	100	CP-16QAM	H	Outer_Full	NV	40	-32.258781	-0.008208	PASS
N77-370 0-3980	30	100	CP-16QAM	H	Outer_Full	NV	50	-18.342705	-0.004667	PASS