



















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
N77-345 0-3550	30	10	CP-QPSK	L	Outer_Full	VL	NT	-6.80	0.00	PASS
N77-345 0-3550	30	10	CP-QPSK	L	Outer_Full	VN	NT	-4.23	0.00	PASS
N77-345 0-3550	30	10	CP-QPSK	L	Outer_Full	VH	NT	-4.22	0.00	PASS
N77-345 0-3550	30	10	CP-16QAM	L	Outer_Full	VL	NT	-3.56	0.00	PASS
N77-345 0-3550	30	10	CP-16QAM	L	Outer_Full	VN	NT	-4.09	0.00	PASS
N77-345 0-3550	30	10	CP-16QAM	L	Outer_Full	VH	NT	-0.31	0.00	PASS
N77-345 0-3550	30	10	CP-QPSK	M	Outer_Full	VL	NT	-2.69	0.00	PASS
N77-345 0-3550	30	10	CP-QPSK	M	Outer_Full	VN	NT	-2.77	0.00	PASS
N77-345 0-3550	30	10	CP-QPSK	M	Outer_Full	VH	NT	-5.37	0.00	PASS
N77-345 0-3550	30	10	CP-16QAM	M	Outer_Full	VL	NT	-1.69	0.00	PASS
N77-345 0-3550	30	10	CP-16QAM	M	Outer_Full	VN	NT	-6.66	0.00	PASS
N77-345 0-3550	30	10	CP-16QAM	M	Outer_Full	VH	NT	-4.93	0.00	PASS
N77-345 0-3550	30	10	CP-QPSK	H	Outer_Full	VL	NT	-4.92	0.00	PASS
N77-345 0-3550	30	10	CP-QPSK	H	Outer_Full	VN	NT	-2.14	0.00	PASS
N77-345 0-3550	30	10	CP-QPSK	H	Outer_Full	VH	NT	-7.07	0.00	PASS
N77-345 0-3550	30	10	CP-16QAM	H	Outer_Full	VL	NT	-4.29	0.00	PASS
N77-345	30	10	CP-16QAM	H	Outer_Full	VN	NT	-3.05	0.00	PASS

0-3550										
N77-345 0-3550	30	10	CP-16QAM	H	Outer_Full	VH	NT	-4.15	0.00	PASS
N77-345 0-3550	30	15	CP-QPSK	L	Outer_Full	VL	NT	-2.79	0.00	PASS
N77-345 0-3550	30	15	CP-QPSK	L	Outer_Full	VN	NT	-3.60	0.00	PASS
N77-345 0-3550	30	15	CP-QPSK	L	Outer_Full	VH	NT	-4.93	0.00	PASS
N77-345 0-3550	30	15	CP-16QAM	L	Outer_Full	VL	NT	-2.73	0.00	PASS
N77-345 0-3550	30	15	CP-16QAM	L	Outer_Full	VN	NT	-4.35	0.00	PASS
N77-345 0-3550	30	15	CP-16QAM	L	Outer_Full	VH	NT	-6.64	0.00	PASS
N77-345 0-3550	30	15	CP-QPSK	M	Outer_Full	VL	NT	-3.33	0.00	PASS
N77-345 0-3550	30	15	CP-QPSK	M	Outer_Full	VN	NT	-5.22	0.00	PASS
N77-345 0-3550	30	15	CP-QPSK	M	Outer_Full	VH	NT	-3.91	0.00	PASS
N77-345 0-3550	30	15	CP-16QAM	M	Outer_Full	VL	NT	-5.90	0.00	PASS
N77-345 0-3550	30	15	CP-16QAM	M	Outer_Full	VN	NT	-1.50	0.00	PASS
N77-345 0-3550	30	15	CP-16QAM	M	Outer_Full	VH	NT	-4.24	0.00	PASS
N77-345 0-3550	30	15	CP-QPSK	H	Outer_Full	VL	NT	1.50	0.00	PASS
N77-345 0-3550	30	15	CP-QPSK	H	Outer_Full	VN	NT	-4.41	0.00	PASS
N77-345 0-3550	30	15	CP-QPSK	H	Outer_Full	VH	NT	-5.31	0.00	PASS
N77-345 0-3550	30	15	CP-16QAM	H	Outer_Full	VL	NT	-2.00	0.00	PASS
N77-345 0-3550	30	15	CP-16QAM	H	Outer_Full	VN	NT	-3.58	0.00	PASS
N77-345 0-3550	30	15	CP-16QAM	H	Outer_Full	VH	NT	-4.08	0.00	PASS
N77-345 0-3550	30	20	CP-QPSK	L	Outer_Full	VL	NT	-1.41	0.00	PASS
N77-345	30	20	CP-QPSK	L	Outer_Full	VN	NT	-4.78	0.00	PASS

0-3550										
N77-345 0-3550	30	20	CP-QPSK	L	Outer_Full	VH	NT	-5.73	0.00	PASS
N77-345 0-3550	30	20	CP-16QAM	L	Outer_Full	VL	NT	-3.57	0.00	PASS
N77-345 0-3550	30	20	CP-16QAM	L	Outer_Full	VN	NT	-3.72	0.00	PASS
N77-345 0-3550	30	20	CP-16QAM	L	Outer_Full	VH	NT	-6.77	0.00	PASS
N77-345 0-3550	30	20	CP-QPSK	M	Outer_Full	VL	NT	-3.27	0.00	PASS
N77-345 0-3550	30	20	CP-QPSK	M	Outer_Full	VN	NT	-4.80	0.00	PASS
N77-345 0-3550	30	20	CP-QPSK	M	Outer_Full	VH	NT	-5.60	0.00	PASS
N77-345 0-3550	30	20	CP-16QAM	M	Outer_Full	VL	NT	-5.75	0.00	PASS
N77-345 0-3550	30	20	CP-16QAM	M	Outer_Full	VN	NT	-1.68	0.00	PASS
N77-345 0-3550	30	20	CP-16QAM	M	Outer_Full	VH	NT	-2.05	0.00	PASS
N77-345 0-3550	30	20	CP-QPSK	H	Outer_Full	VL	NT	-3.33	0.00	PASS
N77-345 0-3550	30	20	CP-QPSK	H	Outer_Full	VN	NT	-0.18	0.00	PASS
N77-345 0-3550	30	20	CP-QPSK	H	Outer_Full	VH	NT	-2.24	0.00	PASS
N77-345 0-3550	30	20	CP-16QAM	H	Outer_Full	VL	NT	-3.10	0.00	PASS
N77-345 0-3550	30	20	CP-16QAM	H	Outer_Full	VN	NT	-1.88	0.00	PASS
N77-345 0-3550	30	20	CP-16QAM	H	Outer_Full	VH	NT	-5.40	0.00	PASS
N77-345 0-3550	30	40	CP-QPSK	L	Outer_Full	VL	NT	-5.83	0.00	PASS
N77-345 0-3550	30	40	CP-QPSK	L	Outer_Full	VN	NT	-3.61	0.00	PASS
N77-345 0-3550	30	40	CP-QPSK	L	Outer_Full	VH	NT	-2.63	0.00	PASS
N77-345 0-3550	30	40	CP-16QAM	L	Outer_Full	VL	NT	-3.65	0.00	PASS
N77-345	30	40	CP-16QAM	L	Outer_Full	VN	NT	-3.64	0.00	PASS

0-3550										
N77-345 0-3550	30	40	CP-16QAM	L	Outer_Full	VH	NT	-3.52	0.00	PASS
N77-345 0-3550	30	40	CP-QPSK	M	Outer_Full	VL	NT	-3.59	0.00	PASS
N77-345 0-3550	30	40	CP-QPSK	M	Outer_Full	VN	NT	-5.35	0.00	PASS
N77-345 0-3550	30	40	CP-QPSK	M	Outer_Full	VH	NT	-3.95	0.00	PASS
N77-345 0-3550	30	40	CP-16QAM	M	Outer_Full	VL	NT	-5.58	0.00	PASS
N77-345 0-3550	30	40	CP-16QAM	M	Outer_Full	VN	NT	-4.35	0.00	PASS
N77-345 0-3550	30	40	CP-16QAM	M	Outer_Full	VH	NT	-4.19	0.00	PASS
N77-345 0-3550	30	40	CP-QPSK	H	Outer_Full	VL	NT	-4.62	0.00	PASS
N77-345 0-3550	30	40	CP-QPSK	H	Outer_Full	VN	NT	-3.62	0.00	PASS
N77-345 0-3550	30	40	CP-QPSK	H	Outer_Full	VH	NT	-4.05	0.00	PASS
N77-345 0-3550	30	40	CP-16QAM	H	Outer_Full	VL	NT	-3.83	0.00	PASS
N77-345 0-3550	30	40	CP-16QAM	H	Outer_Full	VN	NT	-6.12	0.00	PASS
N77-345 0-3550	30	40	CP-16QAM	H	Outer_Full	VH	NT	-5.62	0.00	PASS
N77-345 0-3550	30	50	CP-QPSK	L	Outer_Full	VL	NT	-1.76	0.00	PASS
N77-345 0-3550	30	50	CP-QPSK	L	Outer_Full	VN	NT	-3.66	0.00	PASS
N77-345 0-3550	30	50	CP-QPSK	L	Outer_Full	VH	NT	-5.90	0.00	PASS
N77-345 0-3550	30	50	CP-16QAM	L	Outer_Full	VL	NT	-3.13	0.00	PASS
N77-345 0-3550	30	50	CP-16QAM	L	Outer_Full	VN	NT	-4.73	0.00	PASS
N77-345 0-3550	30	50	CP-16QAM	L	Outer_Full	VH	NT	-6.90	0.00	PASS
N77-345 0-3550	30	50	CP-QPSK	M	Outer_Full	VL	NT	-4.79	0.00	PASS
N77-345	30	50	CP-QPSK	M	Outer_Full	VN	NT	-6.43	0.00	PASS

0-3550										
N77-345 0-3550	30	50	CP-QPSK	M	Outer_Full	VH	NT	-4.68	0.00	PASS
N77-345 0-3550	30	50	CP-16QAM	M	Outer_Full	VL	NT	-3.93	0.00	PASS
N77-345 0-3550	30	50	CP-16QAM	M	Outer_Full	VN	NT	-6.97	0.00	PASS
N77-345 0-3550	30	50	CP-16QAM	M	Outer_Full	VH	NT	-3.57	0.00	PASS
N77-345 0-3550	30	50	CP-QPSK	H	Outer_Full	VL	NT	-6.50	0.00	PASS
N77-345 0-3550	30	50	CP-QPSK	H	Outer_Full	VN	NT	-4.62	0.00	PASS
N77-345 0-3550	30	50	CP-QPSK	H	Outer_Full	VH	NT	-5.50	0.00	PASS
N77-345 0-3550	30	50	CP-16QAM	H	Outer_Full	VL	NT	-2.96	0.00	PASS
N77-345 0-3550	30	50	CP-16QAM	H	Outer_Full	VN	NT	-4.83	0.00	PASS
N77-345 0-3550	30	50	CP-16QAM	H	Outer_Full	VH	NT	-2.96	0.00	PASS
N77-345 0-3550	30	60	CP-QPSK	L	Outer_Full	VL	NT	-2.67	0.00	PASS
N77-345 0-3550	30	60	CP-QPSK	L	Outer_Full	VN	NT	-3.66	0.00	PASS
N77-345 0-3550	30	60	CP-QPSK	L	Outer_Full	VH	NT	-1.30	0.00	PASS
N77-345 0-3550	30	60	CP-16QAM	L	Outer_Full	VL	NT	-4.53	0.00	PASS
N77-345 0-3550	30	60	CP-16QAM	L	Outer_Full	VN	NT	-3.60	0.00	PASS
N77-345 0-3550	30	60	CP-16QAM	L	Outer_Full	VH	NT	-2.92	0.00	PASS
N77-345 0-3550	30	60	CP-QPSK	M	Outer_Full	VL	NT	-3.05	0.00	PASS
N77-345 0-3550	30	60	CP-QPSK	M	Outer_Full	VN	NT	-3.88	0.00	PASS
N77-345 0-3550	30	60	CP-QPSK	M	Outer_Full	VH	NT	-5.40	0.00	PASS
N77-345 0-3550	30	60	CP-16QAM	M	Outer_Full	VL	NT	-3.78	0.00	PASS
N77-345	30	60	CP-16QAM	M	Outer_Full	VN	NT	-2.22	0.00	PASS

0-3550										
N77-345 0-3550	30	60	CP-16QAM	M	Outer_Full	VH	NT	-3.43	0.00	PASS
N77-345 0-3550	30	60	CP-QPSK	H	Outer_Full	VL	NT	-4.48	0.00	PASS
N77-345 0-3550	30	60	CP-QPSK	H	Outer_Full	VN	NT	-3.18	0.00	PASS
N77-345 0-3550	30	60	CP-QPSK	H	Outer_Full	VH	NT	-2.95	0.00	PASS
N77-345 0-3550	30	60	CP-16QAM	H	Outer_Full	VL	NT	-4.33	0.00	PASS
N77-345 0-3550	30	60	CP-16QAM	H	Outer_Full	VN	NT	-2.99	0.00	PASS
N77-345 0-3550	30	60	CP-16QAM	H	Outer_Full	VH	NT	-3.97	0.00	PASS
N77-345 0-3550	30	80	CP-QPSK	L	Outer_Full	VL	NT	-4.05	0.00	PASS
N77-345 0-3550	30	80	CP-QPSK	L	Outer_Full	VN	NT	-2.44	0.00	PASS
N77-345 0-3550	30	80	CP-QPSK	L	Outer_Full	VH	NT	-4.91	0.00	PASS
N77-345 0-3550	30	80	CP-16QAM	L	Outer_Full	VL	NT	-1.39	0.00	PASS
N77-345 0-3550	30	80	CP-16QAM	L	Outer_Full	VN	NT	-3.28	0.00	PASS
N77-345 0-3550	30	80	CP-16QAM	L	Outer_Full	VH	NT	-5.45	0.00	PASS
N77-345 0-3550	30	80	CP-QPSK	M	Outer_Full	VL	NT	-0.35	0.00	PASS
N77-345 0-3550	30	80	CP-QPSK	M	Outer_Full	VN	NT	-4.45	0.00	PASS
N77-345 0-3550	30	80	CP-QPSK	M	Outer_Full	VH	NT	-2.43	0.00	PASS
N77-345 0-3550	30	80	CP-16QAM	M	Outer_Full	VL	NT	-6.74	0.00	PASS
N77-345 0-3550	30	80	CP-16QAM	M	Outer_Full	VN	NT	-4.05	0.00	PASS
N77-345 0-3550	30	80	CP-16QAM	M	Outer_Full	VH	NT	-2.80	0.00	PASS
N77-345 0-3550	30	80	CP-QPSK	H	Outer_Full	VL	NT	-5.05	0.00	PASS
N77-345	30	80	CP-QPSK	H	Outer_Full	VN	NT	-5.85	0.00	PASS

0-3550										
N77-345 0-3550	30	80	CP-QPSK	H	Outer_Full	VH	NT	-8.87	0.00	PASS
N77-345 0-3550	30	80	CP-16QAM	H	Outer_Full	VL	NT	-4.07	0.00	PASS
N77-345 0-3550	30	80	CP-16QAM	H	Outer_Full	VN	NT	-0.85	0.00	PASS
N77-345 0-3550	30	80	CP-16QAM	H	Outer_Full	VH	NT	-8.53	0.00	PASS
N77-345 0-3550	30	90	CP-QPSK	L	Outer_Full	VL	NT	-5.62	0.00	PASS
N77-345 0-3550	30	90	CP-QPSK	L	Outer_Full	VN	NT	-3.45	0.00	PASS
N77-345 0-3550	30	90	CP-QPSK	L	Outer_Full	VH	NT	-5.20	0.00	PASS
N77-345 0-3550	30	90	CP-16QAM	L	Outer_Full	VL	NT	-1.95	0.00	PASS
N77-345 0-3550	30	90	CP-16QAM	L	Outer_Full	VN	NT	-2.21	0.00	PASS
N77-345 0-3550	30	90	CP-16QAM	L	Outer_Full	VH	NT	-1.65	0.00	PASS
N77-345 0-3550	30	90	CP-QPSK	M	Outer_Full	VL	NT	-5.95	0.00	PASS
N77-345 0-3550	30	90	CP-QPSK	M	Outer_Full	VN	NT	-2.96	0.00	PASS
N77-345 0-3550	30	90	CP-QPSK	M	Outer_Full	VH	NT	-3.66	0.00	PASS
N77-345 0-3550	30	90	CP-16QAM	M	Outer_Full	VL	NT	-3.58	0.00	PASS
N77-345 0-3550	30	90	CP-16QAM	M	Outer_Full	VN	NT	-4.00	0.00	PASS
N77-345 0-3550	30	90	CP-16QAM	M	Outer_Full	VH	NT	-3.27	0.00	PASS
N77-345 0-3550	30	90	CP-QPSK	H	Outer_Full	VL	NT	-4.24	0.00	PASS
N77-345 0-3550	30	90	CP-QPSK	H	Outer_Full	VN	NT	-3.69	0.00	PASS
N77-345 0-3550	30	90	CP-QPSK	H	Outer_Full	VH	NT	-3.31	0.00	PASS
N77-345 0-3550	30	90	CP-16QAM	H	Outer_Full	VL	NT	-4.89	0.00	PASS
N77-345	30	90	CP-16QAM	H	Outer_Full	VN	NT	-3.34	0.00	PASS

0-3550										
N77-345 0-3550	30	90	CP-16QAM	H	Outer_Full	VH	NT	-3.71	0.00	PASS
N77-345 0-3550	30	100	CP-QPSK	L	Outer_Full	VL	NT	-1.72	0.00	PASS
N77-345 0-3550	30	100	CP-QPSK	L	Outer_Full	VN	NT	-6.32	0.00	PASS
N77-345 0-3550	30	100	CP-QPSK	L	Outer_Full	VH	NT	-5.14	0.00	PASS
N77-345 0-3550	30	100	CP-16QAM	L	Outer_Full	VL	NT	-5.27	0.00	PASS
N77-345 0-3550	30	100	CP-16QAM	L	Outer_Full	VN	NT	-3.89	0.00	PASS
N77-345 0-3550	30	100	CP-16QAM	L	Outer_Full	VH	NT	-3.64	0.00	PASS
N77-345 0-3550	30	100	CP-QPSK	M	Outer_Full	VL	NT	-9.31	0.00	PASS
N77-345 0-3550	30	100	CP-QPSK	M	Outer_Full	VN	NT	-3.18	0.00	PASS
N77-345 0-3550	30	100	CP-QPSK	M	Outer_Full	VH	NT	-6.68	0.00	PASS
N77-345 0-3550	30	100	CP-16QAM	M	Outer_Full	VL	NT	-5.04	0.00	PASS
N77-345 0-3550	30	100	CP-16QAM	M	Outer_Full	VN	NT	-5.60	0.00	PASS
N77-345 0-3550	30	100	CP-16QAM	M	Outer_Full	VH	NT	-6.92	0.00	PASS
N77-345 0-3550	30	100	CP-QPSK	H	Outer_Full	VL	NT	-5.01	0.00	PASS
N77-345 0-3550	30	100	CP-QPSK	H	Outer_Full	VN	NT	-3.92	0.00	PASS
N77-345 0-3550	30	100	CP-QPSK	H	Outer_Full	VH	NT	-6.57	0.00	PASS
N77-345 0-3550	30	100	CP-16QAM	H	Outer_Full	VL	NT	-4.31	0.00	PASS
N77-345 0-3550	30	100	CP-16QAM	H	Outer_Full	VN	NT	-2.68	0.00	PASS
N77-345 0-3550	30	100	CP-16QAM	H	Outer_Full	VH	NT	-3.17	0.00	PASS

Frequency Error VS. Temperature

Voltage										
Band	SCS	Bandwidth	Modulation	Channel	RB Config	Voltage	Temperature	Deviation(Hz)	Deviation (ppm)	Verdict
N77-345 0-3550	30	10	CP-QPSK	L	Outer_Full	NV	-30	-1.375396	-0.000398	PASS
N77-345 0-3550	30	10	CP-QPSK	L	Outer_Full	NV	-20	-1.274448	-0.000369	PASS
N77-345 0-3550	30	10	CP-QPSK	L	Outer_Full	NV	-10	-4.957029	-0.001435	PASS
N77-345 0-3550	30	10	CP-QPSK	L	Outer_Full	NV	0	-4.084970	-0.001182	PASS
N77-345 0-3550	30	10	CP-QPSK	L	Outer_Full	NV	10	-5.427672	-0.001571	PASS
N77-345 0-3550	30	10	CP-QPSK	L	Outer_Full	NV	20	-5.349561	-0.001548	PASS
N77-345 0-3550	30	10	CP-QPSK	L	Outer_Full	NV	30	-5.754242	-0.001665	PASS
N77-345 0-3550	30	10	CP-QPSK	L	Outer_Full	NV	40	-2.887891	-0.000836	PASS
N77-345 0-3550	30	10	CP-QPSK	L	Outer_Full	NV	50	-6.483077	-0.001876	PASS
N77-345 0-3550	30	10	CP-16QAM	L	Outer_Full	NV	-30	-4.927941	-0.001426	PASS
N77-345 0-3550	30	10	CP-16QAM	L	Outer_Full	NV	-20	-2.746005	-0.000795	PASS
N77-345 0-3550	30	10	CP-16QAM	L	Outer_Full	NV	-10	-3.072527	-0.000889	PASS
N77-345 0-3550	30	10	CP-16QAM	L	Outer_Full	NV	0	-6.103580	-0.001767	PASS
N77-345 0-3550	30	10	CP-16QAM	L	Outer_Full	NV	10	-3.524671	-0.001020	PASS
N77-345 0-3550	30	10	CP-16QAM	L	Outer_Full	NV	20	-7.126833	-0.002063	PASS
N77-345 0-3550	30	10	CP-16QAM	L	Outer_Full	NV	30	-3.497581	-0.001012	PASS
N77-345 0-3550	30	10	CP-16QAM	L	Outer_Full	NV	40	-2.925265	-0.000847	PASS
N77-345 0-3550	30	10	CP-16QAM	L	Outer_Full	NV	50	-5.396170	-0.001562	PASS
N77-345 0-3550	30	10	CP-QPSK	M	Outer_Full	NV	-30	-4.289177	-0.001225	PASS
N77-345	30	10	CP-QPSK	M	Outer_Full	NV	-20	-3.910399	-0.001117	PASS

0-3550										
N77-345 0-3550	30	10	CP-QPSK	M	Outer_Full	NV	-10	-3.323274	-0.000950	PASS
N77-345 0-3550	30	10	CP-QPSK	M	Outer_Full	NV	0	-5.864197	-0.001675	PASS
N77-345 0-3550	30	10	CP-QPSK	M	Outer_Full	NV	10	-1.742721	-0.000498	PASS
N77-345 0-3550	30	10	CP-QPSK	M	Outer_Full	NV	20	-5.083186	-0.001452	PASS
N77-345 0-3550	30	10	CP-QPSK	M	Outer_Full	NV	30	-4.892307	-0.001398	PASS
N77-345 0-3550	30	10	CP-QPSK	M	Outer_Full	NV	40	-5.376158	-0.001536	PASS
N77-345 0-3550	30	10	CP-QPSK	M	Outer_Full	NV	50	-7.335059	-0.002096	PASS
N77-345 0-3550	30	10	CP-16QAM	M	Outer_Full	NV	-30	-4.274302	-0.001221	PASS
N77-345 0-3550	30	10	CP-16QAM	M	Outer_Full	NV	-20	-2.966834	-0.000848	PASS
N77-345 0-3550	30	10	CP-16QAM	M	Outer_Full	NV	-10	-3.253340	-0.000930	PASS
N77-345 0-3550	30	10	CP-16QAM	M	Outer_Full	NV	0	-5.262494	-0.001504	PASS
N77-345 0-3550	30	10	CP-16QAM	M	Outer_Full	NV	10	-6.084637	-0.001738	PASS
N77-345 0-3550	30	10	CP-16QAM	M	Outer_Full	NV	20	-4.291307	-0.001226	PASS
N77-345 0-3550	30	10	CP-16QAM	M	Outer_Full	NV	30	-6.930699	-0.001980	PASS
N77-345 0-3550	30	10	CP-16QAM	M	Outer_Full	NV	40	-2.935399	-0.000839	PASS
N77-345 0-3550	30	10	CP-16QAM	M	Outer_Full	NV	50	-3.058275	-0.000874	PASS
N77-345 0-3550	30	10	CP-QPSK	H	Outer_Full	NV	-30	-3.672471	-0.001036	PASS
N77-345 0-3550	30	10	CP-QPSK	H	Outer_Full	NV	-20	-4.932289	-0.001391	PASS
N77-345 0-3550	30	10	CP-QPSK	H	Outer_Full	NV	-10	-2.039106	-0.000575	PASS
N77-345 0-3550	30	10	CP-QPSK	H	Outer_Full	NV	0	-4.787330	-0.001350	PASS
N77-345	30	10	CP-QPSK	H	Outer_Full	NV	10	-4.371819	-0.001233	PASS

0-3550										
N77-345 0-3550	30	10	CP-QPSK	H	Outer_Full	NV	20	-4.763422	-0.001344	PASS
N77-345 0-3550	30	10	CP-QPSK	H	Outer_Full	NV	30	-5.877851	-0.001658	PASS
N77-345 0-3550	30	10	CP-QPSK	H	Outer_Full	NV	40	0.898429	0.000253	PASS
N77-345 0-3550	30	10	CP-QPSK	H	Outer_Full	NV	50	-2.209019	-0.000623	PASS
N77-345 0-3550	30	10	CP-16QAM	H	Outer_Full	NV	-30	-2.052629	-0.000579	PASS
N77-345 0-3550	30	10	CP-16QAM	H	Outer_Full	NV	-20	-1.745004	-0.000492	PASS
N77-345 0-3550	30	10	CP-16QAM	H	Outer_Full	NV	-10	-6.714951	-0.001894	PASS
N77-345 0-3550	30	10	CP-16QAM	H	Outer_Full	NV	0	-3.152872	-0.000889	PASS
N77-345 0-3550	30	10	CP-16QAM	H	Outer_Full	NV	10	-3.995578	-0.001127	PASS
N77-345 0-3550	30	10	CP-16QAM	H	Outer_Full	NV	20	-3.711951	-0.001047	PASS
N77-345 0-3550	30	10	CP-16QAM	H	Outer_Full	NV	30	-5.368870	-0.001514	PASS
N77-345 0-3550	30	10	CP-16QAM	H	Outer_Full	NV	40	-2.796510	-0.000789	PASS
N77-345 0-3550	30	10	CP-16QAM	H	Outer_Full	NV	50	-5.099794	-0.001439	PASS
N77-345 0-3550	30	15	CP-QPSK	L	Outer_Full	NV	-30	-6.352709	-0.001837	PASS
N77-345 0-3550	30	15	CP-QPSK	L	Outer_Full	NV	-20	-3.380843	-0.000978	PASS
N77-345 0-3550	30	15	CP-QPSK	L	Outer_Full	NV	-10	-3.503799	-0.001013	PASS
N77-345 0-3550	30	15	CP-QPSK	L	Outer_Full	NV	0	-2.146022	-0.000621	PASS
N77-345 0-3550	30	15	CP-QPSK	L	Outer_Full	NV	10	-4.051007	-0.001172	PASS
N77-345 0-3550	30	15	CP-QPSK	L	Outer_Full	NV	20	-6.425204	-0.001858	PASS
N77-345 0-3550	30	15	CP-QPSK	L	Outer_Full	NV	30	-2.267856	-0.000656	PASS
N77-345	30	15	CP-QPSK	L	Outer_Full	NV	40	-5.134096	-0.001485	PASS

0-3550										
N77-345 0-3550	30	15	CP-QPSK	L	Outer_Full	NV	50	-3.432049	-0.000993	PASS
N77-345 0-3550	30	15	CP-16QAM	L	Outer_Full	NV	-30	-4.175685	-0.001208	PASS
N77-345 0-3550	30	15	CP-16QAM	L	Outer_Full	NV	-20	-3.968631	-0.001148	PASS
N77-345 0-3550	30	15	CP-16QAM	L	Outer_Full	NV	-10	-3.108159	-0.000899	PASS
N77-345 0-3550	30	15	CP-16QAM	L	Outer_Full	NV	0	-5.406320	-0.001564	PASS
N77-345 0-3550	30	15	CP-16QAM	L	Outer_Full	NV	10	-2.713188	-0.000785	PASS
N77-345 0-3550	30	15	CP-16QAM	L	Outer_Full	NV	20	-3.648255	-0.001055	PASS
N77-345 0-3550	30	15	CP-16QAM	L	Outer_Full	NV	30	-6.759352	-0.001955	PASS
N77-345 0-3550	30	15	CP-16QAM	L	Outer_Full	NV	40	-4.482416	-0.001296	PASS
N77-345 0-3550	30	15	CP-16QAM	L	Outer_Full	NV	50	-3.712576	-0.001074	PASS
N77-345 0-3550	30	15	CP-QPSK	M	Outer_Full	NV	-30	-5.970448	-0.001706	PASS
N77-345 0-3550	30	15	CP-QPSK	M	Outer_Full	NV	-20	-3.348638	-0.000957	PASS
N77-345 0-3550	30	15	CP-QPSK	M	Outer_Full	NV	-10	-1.348345	-0.000385	PASS
N77-345 0-3550	30	15	CP-QPSK	M	Outer_Full	NV	0	-4.742209	-0.001355	PASS
N77-345 0-3550	30	15	CP-QPSK	M	Outer_Full	NV	10	-6.435083	-0.001839	PASS
N77-345 0-3550	30	15	CP-QPSK	M	Outer_Full	NV	20	-4.626753	-0.001322	PASS
N77-345 0-3550	30	15	CP-QPSK	M	Outer_Full	NV	30	-5.702380	-0.001629	PASS
N77-345 0-3550	30	15	CP-QPSK	M	Outer_Full	NV	40	-0.942573	-0.000269	PASS
N77-345 0-3550	30	15	CP-QPSK	M	Outer_Full	NV	50	-2.125308	-0.000607	PASS
N77-345 0-3550	30	15	CP-16QAM	M	Outer_Full	NV	-30	-4.892449	-0.001398	PASS
N77-345	30	15	CP-16QAM	M	Outer_Full	NV	-20	-3.272418	-0.000935	PASS

0-3550										
N77-345 0-3550	30	15	CP-16QAM	M	Outer_Full	NV	-10	-4.947042	-0.001413	PASS
N77-345 0-3550	30	15	CP-16QAM	M	Outer_Full	NV	0	-2.921844	-0.000835	PASS
N77-345 0-3550	30	15	CP-16QAM	M	Outer_Full	NV	10	-7.851591	-0.002243	PASS
N77-345 0-3550	30	15	CP-16QAM	M	Outer_Full	NV	20	-3.618133	-0.001034	PASS
N77-345 0-3550	30	15	CP-16QAM	M	Outer_Full	NV	30	-3.124880	-0.000893	PASS
N77-345 0-3550	30	15	CP-16QAM	M	Outer_Full	NV	40	-2.840336	-0.000812	PASS
N77-345 0-3550	30	15	CP-16QAM	M	Outer_Full	NV	50	-0.665032	-0.000190	PASS
N77-345 0-3550	30	15	CP-QPSK	H	Outer_Full	NV	-30	-1.421534	-0.000401	PASS
N77-345 0-3550	30	15	CP-QPSK	H	Outer_Full	NV	-20	-0.205171	-0.000058	PASS
N77-345 0-3550	30	15	CP-QPSK	H	Outer_Full	NV	-10	-6.033973	-0.001703	PASS
N77-345 0-3550	30	15	CP-QPSK	H	Outer_Full	NV	0	-4.710291	-0.001330	PASS
N77-345 0-3550	30	15	CP-QPSK	H	Outer_Full	NV	10	-4.867036	-0.001374	PASS
N77-345 0-3550	30	15	CP-QPSK	H	Outer_Full	NV	20	-3.928096	-0.001109	PASS
N77-345 0-3550	30	15	CP-QPSK	H	Outer_Full	NV	30	-4.991477	-0.001409	PASS
N77-345 0-3550	30	15	CP-QPSK	H	Outer_Full	NV	40	-1.937245	-0.000547	PASS
N77-345 0-3550	30	15	CP-QPSK	H	Outer_Full	NV	50	-2.722903	-0.000769	PASS
N77-345 0-3550	30	15	CP-16QAM	H	Outer_Full	NV	-30	-3.199175	-0.000903	PASS
N77-345 0-3550	30	15	CP-16QAM	H	Outer_Full	NV	-20	-5.516784	-0.001557	PASS
N77-345 0-3550	30	15	CP-16QAM	H	Outer_Full	NV	-10	-5.679601	-0.001603	PASS
N77-345 0-3550	30	15	CP-16QAM	H	Outer_Full	NV	0	-2.222675	-0.000627	PASS
N77-345	30	15	CP-16QAM	H	Outer_Full	NV	10	-5.388712	-0.001521	PASS

0-3550										
N77-345 0-3550	30	15	CP-16QAM	H	Outer_Full	NV	20	-5.615595	-0.001585	PASS
N77-345 0-3550	30	15	CP-16QAM	H	Outer_Full	NV	30	-4.768932	-0.001346	PASS
N77-345 0-3550	30	15	CP-16QAM	H	Outer_Full	NV	40	-1.280949	-0.000362	PASS
N77-345 0-3550	30	15	CP-16QAM	H	Outer_Full	NV	50	-3.729053	-0.001053	PASS
N77-345 0-3550	30	20	CP-QPSK	L	Outer_Full	NV	-30	-3.096174	-0.000895	PASS
N77-345 0-3550	30	20	CP-QPSK	L	Outer_Full	NV	-20	-6.395734	-0.001848	PASS
N77-345 0-3550	30	20	CP-QPSK	L	Outer_Full	NV	-10	-3.870080	-0.001119	PASS
N77-345 0-3550	30	20	CP-QPSK	L	Outer_Full	NV	0	-3.269189	-0.000945	PASS
N77-345 0-3550	30	20	CP-QPSK	L	Outer_Full	NV	10	-3.424836	-0.000990	PASS
N77-345 0-3550	30	20	CP-QPSK	L	Outer_Full	NV	20	-3.181709	-0.000920	PASS
N77-345 0-3550	30	20	CP-QPSK	L	Outer_Full	NV	30	-5.664057	-0.001637	PASS
N77-345 0-3550	30	20	CP-QPSK	L	Outer_Full	NV	40	-2.845837	-0.000822	PASS
N77-345 0-3550	30	20	CP-QPSK	L	Outer_Full	NV	50	-4.496708	-0.001300	PASS
N77-345 0-3550	30	20	CP-16QAM	L	Outer_Full	NV	-30	-4.450898	-0.001286	PASS
N77-345 0-3550	30	20	CP-16QAM	L	Outer_Full	NV	-20	-4.313350	-0.001247	PASS
N77-345 0-3550	30	20	CP-16QAM	L	Outer_Full	NV	-10	-3.017812	-0.000872	PASS
N77-345 0-3550	30	20	CP-16QAM	L	Outer_Full	NV	0	-3.406723	-0.000985	PASS
N77-345 0-3550	30	20	CP-16QAM	L	Outer_Full	NV	10	-6.949281	-0.002008	PASS
N77-345 0-3550	30	20	CP-16QAM	L	Outer_Full	NV	20	-5.383722	-0.001556	PASS
N77-345 0-3550	30	20	CP-16QAM	L	Outer_Full	NV	30	-2.573724	-0.000744	PASS
N77-345	30	20	CP-16QAM	L	Outer_Full	NV	40	-1.850381	-0.000535	PASS

0-3550										
N77-345 0-3550	30	20	CP-16QAM	L	Outer_Full	NV	50	-3.209974	-0.000928	PASS
N77-345 0-3550	30	20	CP-QPSK	M	Outer_Full	NV	-30	-3.663082	-0.001047	PASS
N77-345 0-3550	30	20	CP-QPSK	M	Outer_Full	NV	-20	-4.521219	-0.001292	PASS
N77-345 0-3550	30	20	CP-QPSK	M	Outer_Full	NV	-10	-2.744520	-0.000784	PASS
N77-345 0-3550	30	20	CP-QPSK	M	Outer_Full	NV	0	-1.314433	-0.000376	PASS
N77-345 0-3550	30	20	CP-QPSK	M	Outer_Full	NV	10	-2.700423	-0.000772	PASS
N77-345 0-3550	30	20	CP-QPSK	M	Outer_Full	NV	20	-6.650780	-0.001900	PASS
N77-345 0-3550	30	20	CP-QPSK	M	Outer_Full	NV	30	-2.928412	-0.000837	PASS
N77-345 0-3550	30	20	CP-QPSK	M	Outer_Full	NV	40	-2.092591	-0.000598	PASS
N77-345 0-3550	30	20	CP-QPSK	M	Outer_Full	NV	50	-2.298618	-0.000657	PASS
N77-345 0-3550	30	20	CP-16QAM	M	Outer_Full	NV	-30	-4.336393	-0.001239	PASS
N77-345 0-3550	30	20	CP-16QAM	M	Outer_Full	NV	-20	-4.039573	-0.001154	PASS
N77-345 0-3550	30	20	CP-16QAM	M	Outer_Full	NV	-10	-2.968074	-0.000848	PASS
N77-345 0-3550	30	20	CP-16QAM	M	Outer_Full	NV	0	-7.976786	-0.002279	PASS
N77-345 0-3550	30	20	CP-16QAM	M	Outer_Full	NV	10	-3.771092	-0.001077	PASS
N77-345 0-3550	30	20	CP-16QAM	M	Outer_Full	NV	20	-4.532369	-0.001295	PASS
N77-345 0-3550	30	20	CP-16QAM	M	Outer_Full	NV	30	-5.351568	-0.001529	PASS
N77-345 0-3550	30	20	CP-16QAM	M	Outer_Full	NV	40	-2.424159	-0.000693	PASS
N77-345 0-3550	30	20	CP-16QAM	M	Outer_Full	NV	50	-4.679823	-0.001337	PASS
N77-345 0-3550	30	20	CP-QPSK	H	Outer_Full	NV	-30	-5.254834	-0.001484	PASS
N77-345	30	20	CP-QPSK	H	Outer_Full	NV	-20	-3.154711	-0.000891	PASS

0-3550										
N77-345 0-3550	30	20	CP-QPSK	H	Outer_Full	NV	-10	-3.317547	-0.000937	PASS
N77-345 0-3550	30	20	CP-QPSK	H	Outer_Full	NV	0	-1.363630	-0.000385	PASS
N77-345 0-3550	30	20	CP-QPSK	H	Outer_Full	NV	10	-2.731266	-0.000772	PASS
N77-345 0-3550	30	20	CP-QPSK	H	Outer_Full	NV	20	-5.517151	-0.001559	PASS
N77-345 0-3550	30	20	CP-QPSK	H	Outer_Full	NV	30	-4.105422	-0.001160	PASS
N77-345 0-3550	30	20	CP-QPSK	H	Outer_Full	NV	40	-4.527280	-0.001279	PASS
N77-345 0-3550	30	20	CP-QPSK	H	Outer_Full	NV	50	-7.161310	-0.002023	PASS
N77-345 0-3550	30	20	CP-16QAM	H	Outer_Full	NV	-30	-5.163536	-0.001459	PASS
N77-345 0-3550	30	20	CP-16QAM	H	Outer_Full	NV	-20	-1.205004	-0.000340	PASS
N77-345 0-3550	30	20	CP-16QAM	H	Outer_Full	NV	-10	-1.567401	-0.000443	PASS
N77-345 0-3550	30	20	CP-16QAM	H	Outer_Full	NV	0	-4.206847	-0.001188	PASS
N77-345 0-3550	30	20	CP-16QAM	H	Outer_Full	NV	10	-6.541255	-0.001848	PASS
N77-345 0-3550	30	20	CP-16QAM	H	Outer_Full	NV	20	-4.073838	-0.001151	PASS
N77-345 0-3550	30	20	CP-16QAM	H	Outer_Full	NV	30	-4.590013	-0.001297	PASS
N77-345 0-3550	30	20	CP-16QAM	H	Outer_Full	NV	40	-2.141563	-0.000605	PASS
N77-345 0-3550	30	20	CP-16QAM	H	Outer_Full	NV	50	-7.178061	-0.002028	PASS
N77-345 0-3550	30	40	CP-QPSK	L	Outer_Full	NV	-30	-5.657572	-0.001630	PASS
N77-345 0-3550	30	40	CP-QPSK	L	Outer_Full	NV	-20	-4.795329	-0.001382	PASS
N77-345 0-3550	30	40	CP-QPSK	L	Outer_Full	NV	-10	-2.820017	-0.000813	PASS
N77-345 0-3550	30	40	CP-QPSK	L	Outer_Full	NV	0	-3.320319	-0.000957	PASS
N77-345	30	40	CP-QPSK	L	Outer_Full	NV	10	-5.147648	-0.001483	PASS

0-3550										
N77-345 0-3550	30	40	CP-QPSK	L	Outer_Full	NV	20	-2.738621	-0.000789	PASS
N77-345 0-3550	30	40	CP-QPSK	L	Outer_Full	NV	30	-0.014356	-0.000004	PASS
N77-345 0-3550	30	40	CP-QPSK	L	Outer_Full	NV	40	-2.807278	-0.000809	PASS
N77-345 0-3550	30	40	CP-QPSK	L	Outer_Full	NV	50	-7.404516	-0.002134	PASS
N77-345 0-3550	30	40	CP-16QAM	L	Outer_Full	NV	-30	-2.676146	-0.000771	PASS
N77-345 0-3550	30	40	CP-16QAM	L	Outer_Full	NV	-20	-2.858740	-0.000824	PASS
N77-345 0-3550	30	40	CP-16QAM	L	Outer_Full	NV	-10	-4.954640	-0.001428	PASS
N77-345 0-3550	30	40	CP-16QAM	L	Outer_Full	NV	0	-2.307610	-0.000665	PASS
N77-345 0-3550	30	40	CP-16QAM	L	Outer_Full	NV	10	-3.960701	-0.001141	PASS
N77-345 0-3550	30	40	CP-16QAM	L	Outer_Full	NV	20	-3.055626	-0.000881	PASS
N77-345 0-3550	30	40	CP-16QAM	L	Outer_Full	NV	30	-4.988533	-0.001438	PASS
N77-345 0-3550	30	40	CP-16QAM	L	Outer_Full	NV	40	-5.028842	-0.001449	PASS
N77-345 0-3550	30	40	CP-16QAM	L	Outer_Full	NV	50	-3.481109	-0.001003	PASS
N77-345 0-3550	30	40	CP-QPSK	M	Outer_Full	NV	-30	-2.846211	-0.000813	PASS
N77-345 0-3550	30	40	CP-QPSK	M	Outer_Full	NV	-20	-4.214365	-0.001204	PASS
N77-345 0-3550	30	40	CP-QPSK	M	Outer_Full	NV	-10	-4.561714	-0.001303	PASS
N77-345 0-3550	30	40	CP-QPSK	M	Outer_Full	NV	0	-4.493843	-0.001284	PASS
N77-345 0-3550	30	40	CP-QPSK	M	Outer_Full	NV	10	-3.339021	-0.000954	PASS
N77-345 0-3550	30	40	CP-QPSK	M	Outer_Full	NV	20	-4.574415	-0.001307	PASS
N77-345 0-3550	30	40	CP-QPSK	M	Outer_Full	NV	30	-0.463367	-0.000132	PASS
N77-345	30	40	CP-QPSK	M	Outer_Full	NV	40	-4.882088	-0.001395	PASS

0-3550										
N77-345 0-3550	30	40	CP-QPSK	M	Outer_Full	NV	50	-4.029145	-0.001151	PASS
N77-345 0-3550	30	40	CP-16QAM	M	Outer_Full	NV	-30	-5.816926	-0.001662	PASS
N77-345 0-3550	30	40	CP-16QAM	M	Outer_Full	NV	-20	-1.781953	-0.000509	PASS
N77-345 0-3550	30	40	CP-16QAM	M	Outer_Full	NV	-10	-3.160886	-0.000903	PASS
N77-345 0-3550	30	40	CP-16QAM	M	Outer_Full	NV	0	-6.367990	-0.001819	PASS
N77-345 0-3550	30	40	CP-16QAM	M	Outer_Full	NV	10	-5.680099	-0.001623	PASS
N77-345 0-3550	30	40	CP-16QAM	M	Outer_Full	NV	20	-5.485892	-0.001567	PASS
N77-345 0-3550	30	40	CP-16QAM	M	Outer_Full	NV	30	-2.968211	-0.000848	PASS
N77-345 0-3550	30	40	CP-16QAM	M	Outer_Full	NV	40	-3.449467	-0.000986	PASS
N77-345 0-3550	30	40	CP-16QAM	M	Outer_Full	NV	50	-1.689765	-0.000483	PASS
N77-345 0-3550	30	40	CP-QPSK	H	Outer_Full	NV	-30	-1.758492	-0.000498	PASS
N77-345 0-3550	30	40	CP-QPSK	H	Outer_Full	NV	-20	-1.135388	-0.000322	PASS
N77-345 0-3550	30	40	CP-QPSK	H	Outer_Full	NV	-10	-4.624586	-0.001310	PASS
N77-345 0-3550	30	40	CP-QPSK	H	Outer_Full	NV	0	-2.106629	-0.000597	PASS
N77-345 0-3550	30	40	CP-QPSK	H	Outer_Full	NV	10	-5.383647	-0.001525	PASS
N77-345 0-3550	30	40	CP-QPSK	H	Outer_Full	NV	20	-3.768091	-0.001067	PASS
N77-345 0-3550	30	40	CP-QPSK	H	Outer_Full	NV	30	-5.846869	-0.001656	PASS
N77-345 0-3550	30	40	CP-QPSK	H	Outer_Full	NV	40	-7.023926	-0.001990	PASS
N77-345 0-3550	30	40	CP-QPSK	H	Outer_Full	NV	50	-6.837391	-0.001937	PASS
N77-345 0-3550	30	40	CP-16QAM	H	Outer_Full	NV	-30	-4.612933	-0.001307	PASS
N77-345	30	40	CP-16QAM	H	Outer_Full	NV	-20	-4.298690	-0.001218	PASS

0-3550										
N77-345 0-3550	30	40	CP-16QAM	H	Outer_Full	NV	-10	-4.309644	-0.001221	PASS
N77-345 0-3550	30	40	CP-16QAM	H	Outer_Full	NV	0	-6.582453	-0.001865	PASS
N77-345 0-3550	30	40	CP-16QAM	H	Outer_Full	NV	10	-4.009803	-0.001136	PASS
N77-345 0-3550	30	40	CP-16QAM	H	Outer_Full	NV	20	-3.658352	-0.001036	PASS
N77-345 0-3550	30	40	CP-16QAM	H	Outer_Full	NV	30	0.002868	0.000001	PASS
N77-345 0-3550	30	40	CP-16QAM	H	Outer_Full	NV	40	-1.261464	-0.000357	PASS
N77-345 0-3550	30	40	CP-16QAM	H	Outer_Full	NV	50	-2.349814	-0.000666	PASS
N77-345 0-3550	30	50	CP-QPSK	L	Outer_Full	NV	-30	-3.075526	-0.000885	PASS
N77-345 0-3550	30	50	CP-QPSK	L	Outer_Full	NV	-20	-2.658385	-0.000765	PASS
N77-345 0-3550	30	50	CP-QPSK	L	Outer_Full	NV	-10	-4.389138	-0.001263	PASS
N77-345 0-3550	30	50	CP-QPSK	L	Outer_Full	NV	0	-5.757115	-0.001657	PASS
N77-345 0-3550	30	50	CP-QPSK	L	Outer_Full	NV	10	-6.216678	-0.001789	PASS
N77-345 0-3550	30	50	CP-QPSK	L	Outer_Full	NV	20	-4.152511	-0.001195	PASS
N77-345 0-3550	30	50	CP-QPSK	L	Outer_Full	NV	30	-7.108692	-0.002046	PASS
N77-345 0-3550	30	50	CP-QPSK	L	Outer_Full	NV	40	-4.819336	-0.001387	PASS
N77-345 0-3550	30	50	CP-QPSK	L	Outer_Full	NV	50	-2.874459	-0.000827	PASS
N77-345 0-3550	30	50	CP-16QAM	L	Outer_Full	NV	-30	-4.660938	-0.001341	PASS
N77-345 0-3550	30	50	CP-16QAM	L	Outer_Full	NV	-20	-2.890275	-0.000832	PASS
N77-345 0-3550	30	50	CP-16QAM	L	Outer_Full	NV	-10	-5.126890	-0.001475	PASS
N77-345 0-3550	30	50	CP-16QAM	L	Outer_Full	NV	0	-3.688350	-0.001061	PASS
N77-345	30	50	CP-16QAM	L	Outer_Full	NV	10	-4.190572	-0.001206	PASS

0-3550										
N77-345 0-3550	30	50	CP-16QAM	L	Outer_Full	NV	20	-1.863097	-0.000536	PASS
N77-345 0-3550	30	50	CP-16QAM	L	Outer_Full	NV	30	-6.935737	-0.001996	PASS
N77-345 0-3550	30	50	CP-16QAM	L	Outer_Full	NV	40	-7.177509	-0.002065	PASS
N77-345 0-3550	30	50	CP-16QAM	L	Outer_Full	NV	50	-1.263865	-0.000364	PASS
N77-345 0-3550	30	50	CP-QPSK	M	Outer_Full	NV	-30	-6.793329	-0.001941	PASS
N77-345 0-3550	30	50	CP-QPSK	M	Outer_Full	NV	-20	-0.382550	-0.000109	PASS
N77-345 0-3550	30	50	CP-QPSK	M	Outer_Full	NV	-10	-5.984787	-0.001710	PASS
N77-345 0-3550	30	50	CP-QPSK	M	Outer_Full	NV	0	-2.256955	-0.000645	PASS
N77-345 0-3550	30	50	CP-QPSK	M	Outer_Full	NV	10	-5.324751	-0.001521	PASS
N77-345 0-3550	30	50	CP-QPSK	M	Outer_Full	NV	20	-2.095542	-0.000599	PASS
N77-345 0-3550	30	50	CP-QPSK	M	Outer_Full	NV	30	-3.374177	-0.000964	PASS
N77-345 0-3550	30	50	CP-QPSK	M	Outer_Full	NV	40	-4.722674	-0.001349	PASS
N77-345 0-3550	30	50	CP-QPSK	M	Outer_Full	NV	50	-2.858147	-0.000817	PASS
N77-345 0-3550	30	50	CP-16QAM	M	Outer_Full	NV	-30	-0.995780	-0.000285	PASS
N77-345 0-3550	30	50	CP-16QAM	M	Outer_Full	NV	-20	-5.223162	-0.001492	PASS
N77-345 0-3550	30	50	CP-16QAM	M	Outer_Full	NV	-10	-4.255454	-0.001216	PASS
N77-345 0-3550	30	50	CP-16QAM	M	Outer_Full	NV	0	-4.689090	-0.001340	PASS
N77-345 0-3550	30	50	CP-16QAM	M	Outer_Full	NV	10	-1.031961	-0.000295	PASS
N77-345 0-3550	30	50	CP-16QAM	M	Outer_Full	NV	20	-0.915532	-0.000262	PASS
N77-345 0-3550	30	50	CP-16QAM	M	Outer_Full	NV	30	-4.552702	-0.001301	PASS
N77-345	30	50	CP-16QAM	M	Outer_Full	NV	40	-1.020900	-0.000292	PASS

0-3550										
N77-345 0-3550	30	50	CP-16QAM	M	Outer_Full	NV	50	-4.222746	-0.001206	PASS
N77-345 0-3550	30	50	CP-QPSK	H	Outer_Full	NV	-30	-2.576852	-0.000731	PASS
N77-345 0-3550	30	50	CP-QPSK	H	Outer_Full	NV	-20	-6.007605	-0.001704	PASS
N77-345 0-3550	30	50	CP-QPSK	H	Outer_Full	NV	-10	-5.453451	-0.001547	PASS
N77-345 0-3550	30	50	CP-QPSK	H	Outer_Full	NV	0	-2.678006	-0.000760	PASS
N77-345 0-3550	30	50	CP-QPSK	H	Outer_Full	NV	10	-5.205907	-0.001477	PASS
N77-345 0-3550	30	50	CP-QPSK	H	Outer_Full	NV	20	-1.917464	-0.000544	PASS
N77-345 0-3550	30	50	CP-QPSK	H	Outer_Full	NV	30	-4.139721	-0.001174	PASS
N77-345 0-3550	30	50	CP-QPSK	H	Outer_Full	NV	40	-3.732970	-0.001059	PASS
N77-345 0-3550	30	50	CP-QPSK	H	Outer_Full	NV	50	-4.693737	-0.001332	PASS
N77-345 0-3550	30	50	CP-16QAM	H	Outer_Full	NV	-30	-4.524396	-0.001284	PASS
N77-345 0-3550	30	50	CP-16QAM	H	Outer_Full	NV	-20	-3.894756	-0.001105	PASS
N77-345 0-3550	30	50	CP-16QAM	H	Outer_Full	NV	-10	-3.445669	-0.000977	PASS
N77-345 0-3550	30	50	CP-16QAM	H	Outer_Full	NV	0	-3.958180	-0.001123	PASS
N77-345 0-3550	30	50	CP-16QAM	H	Outer_Full	NV	10	-5.726099	-0.001624	PASS
N77-345 0-3550	30	50	CP-16QAM	H	Outer_Full	NV	20	-5.643124	-0.001601	PASS
N77-345 0-3550	30	50	CP-16QAM	H	Outer_Full	NV	30	-4.990044	-0.001416	PASS
N77-345 0-3550	30	50	CP-16QAM	H	Outer_Full	NV	40	-3.622432	-0.001028	PASS
N77-345 0-3550	30	50	CP-16QAM	H	Outer_Full	NV	50	-6.101371	-0.001731	PASS
N77-345 0-3550	30	60	CP-QPSK	L	Outer_Full	NV	-30	-5.939661	-0.001707	PASS
N77-345	30	60	CP-QPSK	L	Outer_Full	NV	-20	-3.961168	-0.001138	PASS

0-3550										
N77-345 0-3550	30	60	CP-QPSK	L	Outer_Full	NV	-10	-3.990727	-0.001147	PASS
N77-345 0-3550	30	60	CP-QPSK	L	Outer_Full	NV	0	-2.310936	-0.000664	PASS
N77-345 0-3550	30	60	CP-QPSK	L	Outer_Full	NV	10	-6.281909	-0.001805	PASS
N77-345 0-3550	30	60	CP-QPSK	L	Outer_Full	NV	20	-2.626378	-0.000755	PASS
N77-345 0-3550	30	60	CP-QPSK	L	Outer_Full	NV	30	-3.788079	-0.001089	PASS
N77-345 0-3550	30	60	CP-QPSK	L	Outer_Full	NV	40	-4.469689	-0.001284	PASS
N77-345 0-3550	30	60	CP-QPSK	L	Outer_Full	NV	50	-4.427820	-0.001272	PASS
N77-345 0-3550	30	60	CP-16QAM	L	Outer_Full	NV	-30	-3.220014	-0.000925	PASS
N77-345 0-3550	30	60	CP-16QAM	L	Outer_Full	NV	-20	-1.247251	-0.000358	PASS
N77-345 0-3550	30	60	CP-16QAM	L	Outer_Full	NV	-10	-1.760994	-0.000506	PASS
N77-345 0-3550	30	60	CP-16QAM	L	Outer_Full	NV	0	-4.489069	-0.001290	PASS
N77-345 0-3550	30	60	CP-16QAM	L	Outer_Full	NV	10	-2.608351	-0.000750	PASS
N77-345 0-3550	30	60	CP-16QAM	L	Outer_Full	NV	20	-1.399973	-0.000402	PASS
N77-345 0-3550	30	60	CP-16QAM	L	Outer_Full	NV	30	-4.296521	-0.001235	PASS
N77-345 0-3550	30	60	CP-16QAM	L	Outer_Full	NV	40	-3.873378	-0.001113	PASS
N77-345 0-3550	30	60	CP-16QAM	L	Outer_Full	NV	50	-4.903220	-0.001409	PASS
N77-345 0-3550	30	60	CP-QPSK	M	Outer_Full	NV	-30	-2.597496	-0.000742	PASS
N77-345 0-3550	30	60	CP-QPSK	M	Outer_Full	NV	-20	-4.039587	-0.001154	PASS
N77-345 0-3550	30	60	CP-QPSK	M	Outer_Full	NV	-10	-5.084994	-0.001453	PASS
N77-345 0-3550	30	60	CP-QPSK	M	Outer_Full	NV	0	-5.045240	-0.001441	PASS
N77-345	30	60	CP-QPSK	M	Outer_Full	NV	10	-2.119681	-0.000606	PASS

0-3550										
N77-345 0-3550	30	60	CP-QPSK	M	Outer_Full	NV	20	-4.492845	-0.001284	PASS
N77-345 0-3550	30	60	CP-QPSK	M	Outer_Full	NV	30	-0.448333	-0.000128	PASS
N77-345 0-3550	30	60	CP-QPSK	M	Outer_Full	NV	40	-5.052349	-0.001444	PASS
N77-345 0-3550	30	60	CP-QPSK	M	Outer_Full	NV	50	-1.900219	-0.000543	PASS
N77-345 0-3550	30	60	CP-16QAM	M	Outer_Full	NV	-30	0.853676	0.000244	PASS
N77-345 0-3550	30	60	CP-16QAM	M	Outer_Full	NV	-20	-4.411682	-0.001260	PASS
N77-345 0-3550	30	60	CP-16QAM	M	Outer_Full	NV	-10	-3.992969	-0.001141	PASS
N77-345 0-3550	30	60	CP-16QAM	M	Outer_Full	NV	0	-7.398138	-0.002114	PASS
N77-345 0-3550	30	60	CP-16QAM	M	Outer_Full	NV	10	-2.971192	-0.000849	PASS
N77-345 0-3550	30	60	CP-16QAM	M	Outer_Full	NV	20	-6.784087	-0.001938	PASS
N77-345 0-3550	30	60	CP-16QAM	M	Outer_Full	NV	30	-3.061882	-0.000875	PASS
N77-345 0-3550	30	60	CP-16QAM	M	Outer_Full	NV	40	-3.346757	-0.000956	PASS
N77-345 0-3550	30	60	CP-16QAM	M	Outer_Full	NV	50	-4.991486	-0.001426	PASS
N77-345 0-3550	30	60	CP-QPSK	H	Outer_Full	NV	-30	-4.064917	-0.001155	PASS
N77-345 0-3550	30	60	CP-QPSK	H	Outer_Full	NV	-20	-2.215779	-0.000629	PASS
N77-345 0-3550	30	60	CP-QPSK	H	Outer_Full	NV	-10	-3.657546	-0.001039	PASS
N77-345 0-3550	30	60	CP-QPSK	H	Outer_Full	NV	0	-6.364074	-0.001808	PASS
N77-345 0-3550	30	60	CP-QPSK	H	Outer_Full	NV	10	-2.549602	-0.000724	PASS
N77-345 0-3550	30	60	CP-QPSK	H	Outer_Full	NV	20	-3.302097	-0.000938	PASS
N77-345 0-3550	30	60	CP-QPSK	H	Outer_Full	NV	30	-4.015330	-0.001141	PASS
N77-345	30	60	CP-QPSK	H	Outer_Full	NV	40	-3.611312	-0.001026	PASS

0-3550										
N77-345 0-3550	30	60	CP-QPSK	H	Outer_Full	NV	50	-2.837379	-0.000806	PASS
N77-345 0-3550	30	60	CP-16QAM	H	Outer_Full	NV	-30	-2.581001	-0.000733	PASS
N77-345 0-3550	30	60	CP-16QAM	H	Outer_Full	NV	-20	-3.090680	-0.000878	PASS
N77-345 0-3550	30	60	CP-16QAM	H	Outer_Full	NV	-10	-4.911856	-0.001395	PASS
N77-345 0-3550	30	60	CP-16QAM	H	Outer_Full	NV	0	-3.279547	-0.000932	PASS
N77-345 0-3550	30	60	CP-16QAM	H	Outer_Full	NV	10	-0.845204	-0.000240	PASS
N77-345 0-3550	30	60	CP-16QAM	H	Outer_Full	NV	20	-3.582977	-0.001018	PASS
N77-345 0-3550	30	60	CP-16QAM	H	Outer_Full	NV	30	-2.332062	-0.000663	PASS
N77-345 0-3550	30	60	CP-16QAM	H	Outer_Full	NV	40	-2.713509	-0.000771	PASS
N77-345 0-3550	30	60	CP-16QAM	H	Outer_Full	NV	50	-4.669079	-0.001326	PASS
N77-345 0-3550	30	80	CP-QPSK	L	Outer_Full	NV	-30	-4.568254	-0.001309	PASS
N77-345 0-3550	30	80	CP-QPSK	L	Outer_Full	NV	-20	-1.978091	-0.000567	PASS
N77-345 0-3550	30	80	CP-QPSK	L	Outer_Full	NV	-10	-5.896422	-0.001690	PASS
N77-345 0-3550	30	80	CP-QPSK	L	Outer_Full	NV	0	-2.173106	-0.000623	PASS
N77-345 0-3550	30	80	CP-QPSK	L	Outer_Full	NV	10	-2.643608	-0.000757	PASS
N77-345 0-3550	30	80	CP-QPSK	L	Outer_Full	NV	20	-8.409322	-0.002410	PASS
N77-345 0-3550	30	80	CP-QPSK	L	Outer_Full	NV	30	-3.561781	-0.001021	PASS
N77-345 0-3550	30	80	CP-QPSK	L	Outer_Full	NV	40	-3.556854	-0.001019	PASS
N77-345 0-3550	30	80	CP-QPSK	L	Outer_Full	NV	50	-3.600068	-0.001032	PASS
N77-345 0-3550	30	80	CP-16QAM	L	Outer_Full	NV	-30	-1.950750	-0.000559	PASS
N77-345	30	80	CP-16QAM	L	Outer_Full	NV	-20	-1.540877	-0.000442	PASS

0-3550										
N77-345 0-3550	30	80	CP-16QAM	L	Outer_Full	NV	-10	-7.168628	-0.002054	PASS
N77-345 0-3550	30	80	CP-16QAM	L	Outer_Full	NV	0	-5.260783	-0.001507	PASS
N77-345 0-3550	30	80	CP-16QAM	L	Outer_Full	NV	10	-3.403935	-0.000975	PASS
N77-345 0-3550	30	80	CP-16QAM	L	Outer_Full	NV	20	-2.499877	-0.000716	PASS
N77-345 0-3550	30	80	CP-16QAM	L	Outer_Full	NV	30	-4.435404	-0.001271	PASS
N77-345 0-3550	30	80	CP-16QAM	L	Outer_Full	NV	40	-1.689128	-0.000484	PASS
N77-345 0-3550	30	80	CP-16QAM	L	Outer_Full	NV	50	-4.638481	-0.001329	PASS
N77-345 0-3550	30	80	CP-QPSK	M	Outer_Full	NV	-30	-4.263392	-0.001218	PASS
N77-345 0-3550	30	80	CP-QPSK	M	Outer_Full	NV	-20	-5.187325	-0.001482	PASS
N77-345 0-3550	30	80	CP-QPSK	M	Outer_Full	NV	-10	-2.311146	-0.000660	PASS
N77-345 0-3550	30	80	CP-QPSK	M	Outer_Full	NV	0	-3.954850	-0.001130	PASS
N77-345 0-3550	30	80	CP-QPSK	M	Outer_Full	NV	10	-1.521955	-0.000435	PASS
N77-345 0-3550	30	80	CP-QPSK	M	Outer_Full	NV	20	-0.272891	-0.000078	PASS
N77-345 0-3550	30	80	CP-QPSK	M	Outer_Full	NV	30	-4.211188	-0.001203	PASS
N77-345 0-3550	30	80	CP-QPSK	M	Outer_Full	NV	40	-4.263498	-0.001218	PASS
N77-345 0-3550	30	80	CP-QPSK	M	Outer_Full	NV	50	-6.539256	-0.001868	PASS
N77-345 0-3550	30	80	CP-16QAM	M	Outer_Full	NV	-30	-2.129844	-0.000609	PASS
N77-345 0-3550	30	80	CP-16QAM	M	Outer_Full	NV	-20	-6.581053	-0.001880	PASS
N77-345 0-3550	30	80	CP-16QAM	M	Outer_Full	NV	-10	-5.463497	-0.001561	PASS
N77-345 0-3550	30	80	CP-16QAM	M	Outer_Full	NV	0	-0.887796	-0.000254	PASS
N77-345	30	80	CP-16QAM	M	Outer_Full	NV	10	-3.541632	-0.001012	PASS

0-3550										
N77-345 0-3550	30	80	CP-16QAM	M	Outer_Full	NV	20	-2.902087	-0.000829	PASS
N77-345 0-3550	30	80	CP-16QAM	M	Outer_Full	NV	30	-4.773549	-0.001364	PASS
N77-345 0-3550	30	80	CP-16QAM	M	Outer_Full	NV	40	-3.536948	-0.001011	PASS
N77-345 0-3550	30	80	CP-16QAM	M	Outer_Full	NV	50	-3.708544	-0.001060	PASS
N77-345 0-3550	30	80	CP-QPSK	H	Outer_Full	NV	-30	-9.646901	-0.002748	PASS
N77-345 0-3550	30	80	CP-QPSK	H	Outer_Full	NV	-20	-3.572878	-0.001018	PASS
N77-345 0-3550	30	80	CP-QPSK	H	Outer_Full	NV	-10	-6.398755	-0.001823	PASS
N77-345 0-3550	30	80	CP-QPSK	H	Outer_Full	NV	0	-8.485115	-0.002417	PASS
N77-345 0-3550	30	80	CP-QPSK	H	Outer_Full	NV	10	-2.824104	-0.000805	PASS
N77-345 0-3550	30	80	CP-QPSK	H	Outer_Full	NV	20	-5.621514	-0.001602	PASS
N77-345 0-3550	30	80	CP-QPSK	H	Outer_Full	NV	30	-3.066805	-0.000874	PASS
N77-345 0-3550	30	80	CP-QPSK	H	Outer_Full	NV	40	-8.470879	-0.002413	PASS
N77-345 0-3550	30	80	CP-QPSK	H	Outer_Full	NV	50	-4.917018	-0.001401	PASS
N77-345 0-3550	30	80	CP-16QAM	H	Outer_Full	NV	-30	-6.093924	-0.001736	PASS
N77-345 0-3550	30	80	CP-16QAM	H	Outer_Full	NV	-20	-8.707040	-0.002481	PASS
N77-345 0-3550	30	80	CP-16QAM	H	Outer_Full	NV	-10	-7.921150	-0.002257	PASS
N77-345 0-3550	30	80	CP-16QAM	H	Outer_Full	NV	0	-6.174615	-0.001759	PASS
N77-345 0-3550	30	80	CP-16QAM	H	Outer_Full	NV	10	-4.942220	-0.001408	PASS
N77-345 0-3550	30	80	CP-16QAM	H	Outer_Full	NV	20	-4.813589	-0.001371	PASS
N77-345 0-3550	30	80	CP-16QAM	H	Outer_Full	NV	30	-7.831031	-0.002231	PASS
N77-345	30	80	CP-16QAM	H	Outer_Full	NV	40	-5.504416	-0.001568	PASS

0-3550										
N77-345 0-3550	30	80	CP-16QAM	H	Outer_Full	NV	50	-5.091603	-0.001451	PASS
N77-345 0-3550	30	90	CP-QPSK	L	Outer_Full	NV	-30	-6.588424	-0.001885	PASS
N77-345 0-3550	30	90	CP-QPSK	L	Outer_Full	NV	-20	-3.913462	-0.001120	PASS
N77-345 0-3550	30	90	CP-QPSK	L	Outer_Full	NV	-10	-4.363095	-0.001248	PASS
N77-345 0-3550	30	90	CP-QPSK	L	Outer_Full	NV	0	-6.145837	-0.001758	PASS
N77-345 0-3550	30	90	CP-QPSK	L	Outer_Full	NV	10	-2.537032	-0.000726	PASS
N77-345 0-3550	30	90	CP-QPSK	L	Outer_Full	NV	20	-6.814539	-0.001950	PASS
N77-345 0-3550	30	90	CP-QPSK	L	Outer_Full	NV	30	-5.373873	-0.001538	PASS
N77-345 0-3550	30	90	CP-QPSK	L	Outer_Full	NV	40	-2.457875	-0.000703	PASS
N77-345 0-3550	30	90	CP-QPSK	L	Outer_Full	NV	50	-5.998323	-0.001716	PASS
N77-345 0-3550	30	90	CP-16QAM	L	Outer_Full	NV	-30	-3.643610	-0.001043	PASS
N77-345 0-3550	30	90	CP-16QAM	L	Outer_Full	NV	-20	-3.816715	-0.001092	PASS
N77-345 0-3550	30	90	CP-16QAM	L	Outer_Full	NV	-10	-2.322126	-0.000664	PASS
N77-345 0-3550	30	90	CP-16QAM	L	Outer_Full	NV	0	-3.582916	-0.001025	PASS
N77-345 0-3550	30	90	CP-16QAM	L	Outer_Full	NV	10	-6.702586	-0.001918	PASS
N77-345 0-3550	30	90	CP-16QAM	L	Outer_Full	NV	20	-3.164002	-0.000905	PASS
N77-345 0-3550	30	90	CP-16QAM	L	Outer_Full	NV	30	-4.772772	-0.001366	PASS
N77-345 0-3550	30	90	CP-16QAM	L	Outer_Full	NV	40	-5.216639	-0.001493	PASS
N77-345 0-3550	30	90	CP-16QAM	L	Outer_Full	NV	50	-3.988581	-0.001141	PASS
N77-345 0-3550	30	90	CP-QPSK	M	Outer_Full	NV	-30	-5.674261	-0.001621	PASS
N77-345	30	90	CP-QPSK	M	Outer_Full	NV	-20	-3.559397	-0.001017	PASS

0-3550										
N77-345 0-3550	30	90	CP-QPSK	M	Outer_Full	NV	-10	-3.896881	-0.001113	PASS
N77-345 0-3550	30	90	CP-QPSK	M	Outer_Full	NV	0	-6.376753	-0.001822	PASS
N77-345 0-3550	30	90	CP-QPSK	M	Outer_Full	NV	10	-2.946316	-0.000842	PASS
N77-345 0-3550	30	90	CP-QPSK	M	Outer_Full	NV	20	-2.244217	-0.000641	PASS
N77-345 0-3550	30	90	CP-QPSK	M	Outer_Full	NV	30	-5.491575	-0.001569	PASS
N77-345 0-3550	30	90	CP-QPSK	M	Outer_Full	NV	40	-2.298173	-0.000657	PASS
N77-345 0-3550	30	90	CP-QPSK	M	Outer_Full	NV	50	-3.873729	-0.001107	PASS
N77-345 0-3550	30	90	CP-16QAM	M	Outer_Full	NV	-30	-1.792314	-0.000512	PASS
N77-345 0-3550	30	90	CP-16QAM	M	Outer_Full	NV	-20	-2.732578	-0.000781	PASS
N77-345 0-3550	30	90	CP-16QAM	M	Outer_Full	NV	-10	-4.277575	-0.001222	PASS
N77-345 0-3550	30	90	CP-16QAM	M	Outer_Full	NV	0	-8.872962	-0.002535	PASS
N77-345 0-3550	30	90	CP-16QAM	M	Outer_Full	NV	10	-3.963986	-0.001133	PASS
N77-345 0-3550	30	90	CP-16QAM	M	Outer_Full	NV	20	-3.907062	-0.001116	PASS
N77-345 0-3550	30	90	CP-16QAM	M	Outer_Full	NV	30	-4.880829	-0.001395	PASS
N77-345 0-3550	30	90	CP-16QAM	M	Outer_Full	NV	40	-2.037676	-0.000582	PASS
N77-345 0-3550	30	90	CP-16QAM	M	Outer_Full	NV	50	-1.996331	-0.000570	PASS
N77-345 0-3550	30	90	CP-QPSK	H	Outer_Full	NV	-30	-3.460522	-0.000987	PASS
N77-345 0-3550	30	90	CP-QPSK	H	Outer_Full	NV	-20	-5.608026	-0.001600	PASS
N77-345 0-3550	30	90	CP-QPSK	H	Outer_Full	NV	-10	-7.644797	-0.002181	PASS
N77-345 0-3550	30	90	CP-QPSK	H	Outer_Full	NV	0	-2.900372	-0.000827	PASS
N77-345	30	90	CP-QPSK	H	Outer_Full	NV	10	-3.719197	-0.001061	PASS

0-3550										
N77-345 0-3550	30	90	CP-QPSK	H	Outer_Full	NV	20	-2.612851	-0.000745	PASS
N77-345 0-3550	30	90	CP-QPSK	H	Outer_Full	NV	30	-2.478552	-0.000707	PASS
N77-345 0-3550	30	90	CP-QPSK	H	Outer_Full	NV	40	-2.628152	-0.000750	PASS
N77-345 0-3550	30	90	CP-QPSK	H	Outer_Full	NV	50	-4.148484	-0.001184	PASS
N77-345 0-3550	30	90	CP-16QAM	H	Outer_Full	NV	-30	-2.881347	-0.000822	PASS
N77-345 0-3550	30	90	CP-16QAM	H	Outer_Full	NV	-20	-3.126931	-0.000892	PASS
N77-345 0-3550	30	90	CP-16QAM	H	Outer_Full	NV	-10	-4.249454	-0.001212	PASS
N77-345 0-3550	30	90	CP-16QAM	H	Outer_Full	NV	0	-4.106536	-0.001172	PASS
N77-345 0-3550	30	90	CP-16QAM	H	Outer_Full	NV	10	-7.915010	-0.002258	PASS
N77-345 0-3550	30	90	CP-16QAM	H	Outer_Full	NV	20	-2.826376	-0.000806	PASS
N77-345 0-3550	30	90	CP-16QAM	H	Outer_Full	NV	30	-2.643101	-0.000754	PASS
N77-345 0-3550	30	90	CP-16QAM	H	Outer_Full	NV	40	-3.338218	-0.000952	PASS
N77-345 0-3550	30	90	CP-16QAM	H	Outer_Full	NV	50	-4.605707	-0.001314	PASS
N77-345 0-3550	30	100	CP-QPSK	L	Outer_Full	NV	-30	-1.122428	-0.000321	PASS
N77-345 0-3550	30	100	CP-QPSK	L	Outer_Full	NV	-20	-4.945424	-0.001413	PASS
N77-345 0-3550	30	100	CP-QPSK	L	Outer_Full	NV	-10	-4.350241	-0.001243	PASS
N77-345 0-3550	30	100	CP-QPSK	L	Outer_Full	NV	0	-2.585629	-0.000739	PASS
N77-345 0-3550	30	100	CP-QPSK	L	Outer_Full	NV	10	-5.350007	-0.001529	PASS
N77-345 0-3550	30	100	CP-QPSK	L	Outer_Full	NV	20	-4.604987	-0.001316	PASS
N77-345 0-3550	30	100	CP-QPSK	L	Outer_Full	NV	30	-4.257800	-0.001217	PASS
N77-345	30	100	CP-QPSK	L	Outer_Full	NV	40	-5.377842	-0.001537	PASS

0-3550										
N77-345 0-3550	30	100	CP-QPSK	L	Outer_Full	NV	50	-4.630896	-0.001323	PASS
N77-345 0-3550	30	100	CP-16QAM	L	Outer_Full	NV	-30	-2.741022	-0.000783	PASS
N77-345 0-3550	30	100	CP-16QAM	L	Outer_Full	NV	-20	-6.076996	-0.001736	PASS
N77-345 0-3550	30	100	CP-16QAM	L	Outer_Full	NV	-10	-2.232924	-0.000638	PASS
N77-345 0-3550	30	100	CP-16QAM	L	Outer_Full	NV	0	-2.236677	-0.000639	PASS
N77-345 0-3550	30	100	CP-16QAM	L	Outer_Full	NV	10	-3.667732	-0.001048	PASS
N77-345 0-3550	30	100	CP-16QAM	L	Outer_Full	NV	20	-3.562972	-0.001018	PASS
N77-345 0-3550	30	100	CP-16QAM	L	Outer_Full	NV	30	-2.752313	-0.000786	PASS
N77-345 0-3550	30	100	CP-16QAM	L	Outer_Full	NV	40	-4.145597	-0.001184	PASS
N77-345 0-3550	30	100	CP-16QAM	L	Outer_Full	NV	50	-6.612005	-0.001889	PASS
N77-345 0-3550	30	100	CP-QPSK	M	Outer_Full	NV	-30	-6.346190	-0.001813	PASS
N77-345 0-3550	30	100	CP-QPSK	M	Outer_Full	NV	-20	-2.119945	-0.000606	PASS
N77-345 0-3550	30	100	CP-QPSK	M	Outer_Full	NV	-10	-3.163120	-0.000904	PASS
N77-345 0-3550	30	100	CP-QPSK	M	Outer_Full	NV	0	-5.371805	-0.001535	PASS
N77-345 0-3550	30	100	CP-QPSK	M	Outer_Full	NV	10	-4.423172	-0.001264	PASS
N77-345 0-3550	30	100	CP-QPSK	M	Outer_Full	NV	20	-8.627716	-0.002465	PASS
N77-345 0-3550	30	100	CP-QPSK	M	Outer_Full	NV	30	-4.736405	-0.001353	PASS
N77-345 0-3550	30	100	CP-QPSK	M	Outer_Full	NV	40	-5.487776	-0.001568	PASS
N77-345 0-3550	30	100	CP-QPSK	M	Outer_Full	NV	50	-5.980155	-0.001709	PASS
N77-345 0-3550	30	100	CP-16QAM	M	Outer_Full	NV	-30	-5.215755	-0.001490	PASS
N77-345	30	100	CP-16QAM	M	Outer_Full	NV	-20	-4.599847	-0.001314	PASS

0-3550										
N77-345 0-3550	30	100	CP-16QAM	M	Outer_Full	NV	-10	-2.480904	-0.000709	PASS
N77-345 0-3550	30	100	CP-16QAM	M	Outer_Full	NV	0	-2.654063	-0.000758	PASS
N77-345 0-3550	30	100	CP-16QAM	M	Outer_Full	NV	10	-3.544937	-0.001013	PASS
N77-345 0-3550	30	100	CP-16QAM	M	Outer_Full	NV	20	-3.290198	-0.000940	PASS
N77-345 0-3550	30	100	CP-16QAM	M	Outer_Full	NV	30	0.295606	0.000084	PASS
N77-345 0-3550	30	100	CP-16QAM	M	Outer_Full	NV	40	-4.576638	-0.001308	PASS
N77-345 0-3550	30	100	CP-16QAM	M	Outer_Full	NV	50	2.109372	0.000603	PASS
N77-345 0-3550	30	100	CP-QPSK	H	Outer_Full	NV	-30	-10.318207	-0.002948	PASS
N77-345 0-3550	30	100	CP-QPSK	H	Outer_Full	NV	-20	-2.685068	-0.000767	PASS
N77-345 0-3550	30	100	CP-QPSK	H	Outer_Full	NV	-10	-0.990354	-0.000283	PASS
N77-345 0-3550	30	100	CP-QPSK	H	Outer_Full	NV	0	-5.075295	-0.001450	PASS
N77-345 0-3550	30	100	CP-QPSK	H	Outer_Full	NV	10	-0.909378	-0.000260	PASS
N77-345 0-3550	30	100	CP-QPSK	H	Outer_Full	NV	20	-3.332225	-0.000952	PASS
N77-345 0-3550	30	100	CP-QPSK	H	Outer_Full	NV	30	-1.427978	-0.000408	PASS
N77-345 0-3550	30	100	CP-QPSK	H	Outer_Full	NV	40	-6.298568	-0.001800	PASS
N77-345 0-3550	30	100	CP-QPSK	H	Outer_Full	NV	50	-7.300295	-0.002086	PASS
N77-345 0-3550	30	100	CP-16QAM	H	Outer_Full	NV	-30	-6.064981	-0.001733	PASS
N77-345 0-3550	30	100	CP-16QAM	H	Outer_Full	NV	-20	-4.502060	-0.001286	PASS
N77-345 0-3550	30	100	CP-16QAM	H	Outer_Full	NV	-10	-3.841768	-0.001098	PASS
N77-345 0-3550	30	100	CP-16QAM	H	Outer_Full	NV	0	-7.431816	-0.002123	PASS
N77-345	30	100	CP-16QAM	H	Outer_Full	NV	10	-3.891545	-0.001112	PASS

0-3550										
N77-345 0-3550	30	100	CP-16QAM	H	Outer_Full	NV	20	-4.621348	-0.001320	PASS
N77-345 0-3550	30	100	CP-16QAM	H	Outer_Full	NV	30	-0.958313	-0.000274	PASS
N77-345 0-3550	30	100	CP-16QAM	H	Outer_Full	NV	40	-3.203801	-0.000915	PASS
N77-345 0-3550	30	100	CP-16QAM	H	Outer_Full	NV	50	-1.738480	-0.000497	PASS