































**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	20	CP-QPSK	L	Outer_Full	VL	NT	-22.65	-0.01	PASS
N77-345 0-3550	30	20	CP-QPSK	L	Outer_Full	VN	NT	-17.52	-0.01	PASS
N77-345 0-3550	30	20	CP-QPSK	L	Outer_Full	VH	NT	-29.64	-0.01	PASS
N77-345 0-3550	30	20	CP-16QAM	L	Outer_Full	VL	NT	-30.17	-0.01	PASS
N77-345 0-3550	30	20	CP-16QAM	L	Outer_Full	VN	NT	-17.83	-0.01	PASS
N77-345 0-3550	30	20	CP-16QAM	L	Outer_Full	VH	NT	-19.63	-0.01	PASS
N77-345 0-3550	30	20	CP-QPSK	M	Outer_Full	VL	NT	-35.04	-0.01	PASS
N77-345 0-3550	30	20	CP-QPSK	M	Outer_Full	VN	NT	-41.85	-0.01	PASS
N77-345 0-3550	30	20	CP-QPSK	M	Outer_Full	VH	NT	-32.55	-0.01	PASS
N77-345 0-3550	30	20	CP-16QAM	M	Outer_Full	VL	NT	-37.28	-0.01	PASS
N77-345 0-3550	30	20	CP-16QAM	M	Outer_Full	VN	NT	-42.48	-0.01	PASS
N77-345 0-3550	30	20	CP-16QAM	M	Outer_Full	VH	NT	-25.10	-0.01	PASS
N77-345 0-3550	30	20	CP-QPSK	H	Outer_Full	VL	NT	-20.45	-0.01	PASS
N77-345 0-3550	30	20	CP-QPSK	H	Outer_Full	VN	NT	-17.57	0.00	PASS
N77-345 0-3550	30	20	CP-QPSK	H	Outer_Full	VH	NT	-17.37	0.00	PASS
N77-345 0-3550	30	20	CP-16QAM	H	Outer_Full	VL	NT	-17.99	-0.01	PASS
N77-345	30	20	CP-16QAM	H	Outer_Full	VN	NT	-15.02	0.00	PASS

0-3550										
N77-345 0-3550	30	20	CP-16QAM	H	Outer_Full	VH	NT	-29.32	-0.01	PASS
N77-345 0-3550	30	40	CP-QPSK	L	Outer_Full	VL	NT	-44.68	-0.01	PASS
N77-345 0-3550	30	40	CP-QPSK	L	Outer_Full	VN	NT	-33.58	-0.01	PASS
N77-345 0-3550	30	40	CP-QPSK	L	Outer_Full	VH	NT	-26.37	-0.01	PASS
N77-345 0-3550	30	40	CP-16QAM	L	Outer_Full	VL	NT	-37.89	-0.01	PASS
N77-345 0-3550	30	40	CP-16QAM	L	Outer_Full	VN	NT	-35.47	-0.01	PASS
N77-345 0-3550	30	40	CP-16QAM	L	Outer_Full	VH	NT	-30.90	-0.01	PASS
N77-345 0-3550	30	40	CP-QPSK	M	Outer_Full	VL	NT	-33.83	-0.01	PASS
N77-345 0-3550	30	40	CP-QPSK	M	Outer_Full	VN	NT	-11.95	0.00	PASS
N77-345 0-3550	30	40	CP-QPSK	M	Outer_Full	VH	NT	-26.33	-0.01	PASS
N77-345 0-3550	30	40	CP-16QAM	M	Outer_Full	VL	NT	-30.22	-0.01	PASS
N77-345 0-3550	30	40	CP-16QAM	M	Outer_Full	VN	NT	-28.75	-0.01	PASS
N77-345 0-3550	30	40	CP-16QAM	M	Outer_Full	VH	NT	-23.12	-0.01	PASS
N77-345 0-3550	30	40	CP-QPSK	H	Outer_Full	VL	NT	-18.16	-0.01	PASS
N77-345 0-3550	30	40	CP-QPSK	H	Outer_Full	VN	NT	-26.87	-0.01	PASS
N77-345 0-3550	30	40	CP-QPSK	H	Outer_Full	VH	NT	-34.66	-0.01	PASS
N77-345 0-3550	30	40	CP-16QAM	H	Outer_Full	VL	NT	-21.59	-0.01	PASS
N77-345 0-3550	30	40	CP-16QAM	H	Outer_Full	VN	NT	-20.37	-0.01	PASS
N77-345 0-3550	30	40	CP-16QAM	H	Outer_Full	VH	NT	-38.15	-0.01	PASS
N77-345 0-3550	30	50	CP-QPSK	L	Outer_Full	VL	NT	-33.04	-0.01	PASS
N77-345	30	50	CP-QPSK	L	Outer_Full	VN	NT	-33.60	-0.01	PASS



0-3550										
N77-345 0-3550	30	50	CP-QPSK	L	Outer_Full	VH	NT	-29.02	-0.01	PASS
N77-345 0-3550	30	50	CP-16QAM	L	Outer_Full	VL	NT	-24.41	-0.01	PASS
N77-345 0-3550	30	50	CP-16QAM	L	Outer_Full	VN	NT	-27.38	-0.01	PASS
N77-345 0-3550	30	50	CP-16QAM	L	Outer_Full	VH	NT	-32.47	-0.01	PASS
N77-345 0-3550	30	50	CP-QPSK	M	Outer_Full	VL	NT	-25.90	-0.01	PASS
N77-345 0-3550	30	50	CP-QPSK	M	Outer_Full	VN	NT	-35.44	-0.01	PASS
N77-345 0-3550	30	50	CP-QPSK	M	Outer_Full	VH	NT	-19.87	-0.01	PASS
N77-345 0-3550	30	50	CP-16QAM	M	Outer_Full	VL	NT	-15.05	0.00	PASS
N77-345 0-3550	30	50	CP-16QAM	M	Outer_Full	VN	NT	-40.71	-0.01	PASS
N77-345 0-3550	30	50	CP-16QAM	M	Outer_Full	VH	NT	-41.37	-0.01	PASS
N77-345 0-3550	30	50	CP-QPSK	H	Outer_Full	VL	NT	-13.31	0.00	PASS
N77-345 0-3550	30	50	CP-QPSK	H	Outer_Full	VN	NT	-32.06	-0.01	PASS
N77-345 0-3550	30	50	CP-QPSK	H	Outer_Full	VH	NT	-14.02	0.00	PASS
N77-345 0-3550	30	50	CP-16QAM	H	Outer_Full	VL	NT	-32.08	-0.01	PASS
N77-345 0-3550	30	50	CP-16QAM	H	Outer_Full	VN	NT	-21.04	-0.01	PASS
N77-345 0-3550	30	50	CP-16QAM	H	Outer_Full	VH	NT	-31.28	-0.01	PASS
N77-345 0-3550	30	60	CP-QPSK	L	Outer_Full	VL	NT	-30.77	-0.01	PASS
N77-345 0-3550	30	60	CP-QPSK	L	Outer_Full	VN	NT	-13.98	0.00	PASS
N77-345 0-3550	30	60	CP-QPSK	L	Outer_Full	VH	NT	-22.53	-0.01	PASS
N77-345 0-3550	30	60	CP-16QAM	L	Outer_Full	VL	NT	-29.78	-0.01	PASS
N77-345	30	60	CP-16QAM	L	Outer_Full	VN	NT	-34.96	-0.01	PASS

0-3550										
N77-345 0-3550	30	60	CP-16QAM	L	Outer_Full	VH	NT	-31.79	-0.01	PASS
N77-345 0-3550	30	60	CP-QPSK	M	Outer_Full	VL	NT	-26.79	-0.01	PASS
N77-345 0-3550	30	60	CP-QPSK	M	Outer_Full	VN	NT	-30.90	-0.01	PASS
N77-345 0-3550	30	60	CP-QPSK	M	Outer_Full	VH	NT	-43.34	-0.01	PASS
N77-345 0-3550	30	60	CP-16QAM	M	Outer_Full	VL	NT	-17.64	-0.01	PASS
N77-345 0-3550	30	60	CP-16QAM	M	Outer_Full	VN	NT	-17.19	0.00	PASS
N77-345 0-3550	30	60	CP-16QAM	M	Outer_Full	VH	NT	-41.28	-0.01	PASS
N77-345 0-3550	30	60	CP-QPSK	H	Outer_Full	VL	NT	-20.68	-0.01	PASS
N77-345 0-3550	30	60	CP-QPSK	H	Outer_Full	VN	NT	-25.94	-0.01	PASS
N77-345 0-3550	30	60	CP-QPSK	H	Outer_Full	VH	NT	-28.38	-0.01	PASS
N77-345 0-3550	30	60	CP-16QAM	H	Outer_Full	VL	NT	1.34	0.00	PASS
N77-345 0-3550	30	60	CP-16QAM	H	Outer_Full	VN	NT	-23.80	-0.01	PASS
N77-345 0-3550	30	60	CP-16QAM	H	Outer_Full	VH	NT	-22.31	-0.01	PASS
N77-345 0-3550	30	80	CP-QPSK	L	Outer_Full	VL	NT	-18.70	-0.01	PASS
N77-345 0-3550	30	80	CP-QPSK	L	Outer_Full	VN	NT	-33.99	-0.01	PASS
N77-345 0-3550	30	80	CP-QPSK	L	Outer_Full	VH	NT	-12.68	0.00	PASS
N77-345 0-3550	30	80	CP-16QAM	L	Outer_Full	VL	NT	-24.00	-0.01	PASS
N77-345 0-3550	30	80	CP-16QAM	L	Outer_Full	VN	NT	-32.57	-0.01	PASS
N77-345 0-3550	30	80	CP-16QAM	L	Outer_Full	VH	NT	-22.61	-0.01	PASS
N77-345 0-3550	30	80	CP-QPSK	M	Outer_Full	VL	NT	-21.28	-0.01	PASS
N77-345	30	80	CP-QPSK	M	Outer_Full	VN	NT	-11.27	0.00	PASS

0-3550										
N77-345 0-3550	30	80	CP-QPSK	M	Outer_Full	VH	NT	-29.48	-0.01	PASS
N77-345 0-3550	30	80	CP-16QAM	M	Outer_Full	VL	NT	-27.05	-0.01	PASS
N77-345 0-3550	30	80	CP-16QAM	M	Outer_Full	VN	NT	-27.45	-0.01	PASS
N77-345 0-3550	30	80	CP-16QAM	M	Outer_Full	VH	NT	-32.85	-0.01	PASS
N77-345 0-3550	30	80	CP-QPSK	H	Outer_Full	VL	NT	-33.83	-0.01	PASS
N77-345 0-3550	30	80	CP-QPSK	H	Outer_Full	VN	NT	-32.05	-0.01	PASS
N77-345 0-3550	30	80	CP-QPSK	H	Outer_Full	VH	NT	-20.14	-0.01	PASS
N77-345 0-3550	30	80	CP-16QAM	H	Outer_Full	VL	NT	-15.24	0.00	PASS
N77-345 0-3550	30	80	CP-16QAM	H	Outer_Full	VN	NT	-42.69	-0.01	PASS
N77-345 0-3550	30	80	CP-16QAM	H	Outer_Full	VH	NT	-19.23	-0.01	PASS
N77-345 0-3550	30	90	CP-QPSK	L	Outer_Full	VL	NT	-13.34	0.00	PASS
N77-345 0-3550	30	90	CP-QPSK	L	Outer_Full	VN	NT	-16.74	0.00	PASS
N77-345 0-3550	30	90	CP-QPSK	L	Outer_Full	VH	NT	-24.30	-0.01	PASS
N77-345 0-3550	30	90	CP-16QAM	L	Outer_Full	VL	NT	-20.61	-0.01	PASS
N77-345 0-3550	30	90	CP-16QAM	L	Outer_Full	VN	NT	-30.59	-0.01	PASS
N77-345 0-3550	30	90	CP-16QAM	L	Outer_Full	VH	NT	-21.21	-0.01	PASS
N77-345 0-3550	30	90	CP-QPSK	M	Outer_Full	VL	NT	-22.64	-0.01	PASS
N77-345 0-3550	30	90	CP-QPSK	M	Outer_Full	VN	NT	-36.24	-0.01	PASS
N77-345 0-3550	30	90	CP-QPSK	M	Outer_Full	VH	NT	-32.42	-0.01	PASS
N77-345 0-3550	30	90	CP-16QAM	M	Outer_Full	VL	NT	-32.21	-0.01	PASS
N77-345	30	90	CP-16QAM	M	Outer_Full	VN	NT	-31.42	-0.01	PASS

0-3550										
N77-345 0-3550	30	90	CP-16QAM	M	Outer_Full	VH	NT	-28.82	-0.01	PASS
N77-345 0-3550	30	90	CP-QPSK	H	Outer_Full	VL	NT	-32.29	-0.01	PASS
N77-345 0-3550	30	90	CP-QPSK	H	Outer_Full	VN	NT	-18.50	-0.01	PASS
N77-345 0-3550	30	90	CP-QPSK	H	Outer_Full	VH	NT	-30.94	-0.01	PASS
N77-345 0-3550	30	90	CP-16QAM	H	Outer_Full	VL	NT	-30.16	-0.01	PASS
N77-345 0-3550	30	90	CP-16QAM	H	Outer_Full	VN	NT	-14.80	0.00	PASS
N77-345 0-3550	30	90	CP-16QAM	H	Outer_Full	VH	NT	-37.54	-0.01	PASS
N77-345 0-3550	30	100	CP-QPSK	L	Outer_Full	VL	NT	-38.65	-0.01	PASS
N77-345 0-3550	30	100	CP-QPSK	L	Outer_Full	VN	NT	-25.09	-0.01	PASS
N77-345 0-3550	30	100	CP-QPSK	L	Outer_Full	VH	NT	-31.37	-0.01	PASS
N77-345 0-3550	30	100	CP-16QAM	L	Outer_Full	VL	NT	-32.66	-0.01	PASS
N77-345 0-3550	30	100	CP-16QAM	L	Outer_Full	VN	NT	-28.00	-0.01	PASS
N77-345 0-3550	30	100	CP-16QAM	L	Outer_Full	VH	NT	-18.60	-0.01	PASS
N77-345 0-3550	30	100	CP-QPSK	M	Outer_Full	VL	NT	-17.74	-0.01	PASS
N77-345 0-3550	30	100	CP-QPSK	M	Outer_Full	VN	NT	-19.85	-0.01	PASS
N77-345 0-3550	30	100	CP-QPSK	M	Outer_Full	VH	NT	-37.82	-0.01	PASS
N77-345 0-3550	30	100	CP-16QAM	M	Outer_Full	VL	NT	-30.05	-0.01	PASS
N77-345 0-3550	30	100	CP-16QAM	M	Outer_Full	VN	NT	-26.39	-0.01	PASS
N77-345 0-3550	30	100	CP-16QAM	M	Outer_Full	VH	NT	-22.45	-0.01	PASS
N77-345 0-3550	30	100	CP-QPSK	H	Outer_Full	VL	NT	-28.01	-0.01	PASS
N77-345	30	100	CP-QPSK	H	Outer_Full	VN	NT	-40.78	-0.01	PASS

0-3550										
N77-345 0-3550	30	100	CP-QPSK	H	Outer_Full	VH	NT	-32.48	-0.01	PASS
N77-345 0-3550	30	100	CP-16QAM	H	Outer_Full	VL	NT	-28.92	-0.01	PASS
N77-345 0-3550	30	100	CP-16QAM	H	Outer_Full	VN	NT	-18.73	-0.01	PASS
N77-345 0-3550	30	100	CP-16QAM	H	Outer_Full	VH	NT	-25.67	-0.01	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	20	CP-QPSK	L	Outer_Full	NV	-30	-13.983742	-0.004042	PASS
N77-345 0-3550	30	20	CP-QPSK	L	Outer_Full	NV	-20	-17.847885	-0.005158	PASS
N77-345 0-3550	30	20	CP-QPSK	L	Outer_Full	NV	-10	-20.344105	-0.005880	PASS
N77-345 0-3550	30	20	CP-QPSK	L	Outer_Full	NV	0	-27.275167	-0.007883	PASS
N77-345 0-3550	30	20	CP-QPSK	L	Outer_Full	NV	10	-27.546711	-0.007962	PASS
N77-345 0-3550	30	20	CP-QPSK	L	Outer_Full	NV	20	-26.789154	-0.007743	PASS
N77-345 0-3550	30	20	CP-QPSK	L	Outer_Full	NV	30	-11.243522	-0.003250	PASS
N77-345 0-3550	30	20	CP-QPSK	L	Outer_Full	NV	40	-14.692369	-0.004246	PASS
N77-345 0-3550	30	20	CP-QPSK	L	Outer_Full	NV	50	-18.369829	-0.005309	PASS
N77-345 0-3550	30	20	CP-16QAM	L	Outer_Full	NV	-30	-24.733879	-0.007149	PASS
N77-345 0-3550	30	20	CP-16QAM	L	Outer_Full	NV	-20	-10.696359	-0.003091	PASS
N77-345 0-3550	30	20	CP-16QAM	L	Outer_Full	NV	-10	-21.399717	-0.006185	PASS
N77-345 0-3550	30	20	CP-16QAM	L	Outer_Full	NV	0	-9.280869	-0.002682	PASS
N77-345	30	20	CP-16QAM	L	Outer_Full	NV	10	-23.676414	-0.006843	PASS

0-3550										
N77-345 0-3550	30	20	CP-16QAM	L	Outer_Full	NV	20	-29.669044	-0.008575	PASS
N77-345 0-3550	30	20	CP-16QAM	L	Outer_Full	NV	30	-19.895281	-0.005750	PASS
N77-345 0-3550	30	20	CP-16QAM	L	Outer_Full	NV	40	-10.402737	-0.003007	PASS
N77-345 0-3550	30	20	CP-16QAM	L	Outer_Full	NV	50	-21.914537	-0.006334	PASS
N77-345 0-3550	30	20	CP-QPSK	M	Outer_Full	NV	-30	-34.135941	-0.009753	PASS
N77-345 0-3550	30	20	CP-QPSK	M	Outer_Full	NV	-20	-30.323061	-0.008664	PASS
N77-345 0-3550	30	20	CP-QPSK	M	Outer_Full	NV	-10	-24.034258	-0.006867	PASS
N77-345 0-3550	30	20	CP-QPSK	M	Outer_Full	NV	0	-34.492008	-0.009855	PASS
N77-345 0-3550	30	20	CP-QPSK	M	Outer_Full	NV	10	-22.674055	-0.006478	PASS
N77-345 0-3550	30	20	CP-QPSK	M	Outer_Full	NV	20	-34.081879	-0.009738	PASS
N77-345 0-3550	30	20	CP-QPSK	M	Outer_Full	NV	30	-19.060823	-0.005446	PASS
N77-345 0-3550	30	20	CP-QPSK	M	Outer_Full	NV	40	-26.763914	-0.007647	PASS
N77-345 0-3550	30	20	CP-QPSK	M	Outer_Full	NV	50	-11.093174	-0.003169	PASS
N77-345 0-3550	30	20	CP-16QAM	M	Outer_Full	NV	-30	-29.146351	-0.008328	PASS
N77-345 0-3550	30	20	CP-16QAM	M	Outer_Full	NV	-20	-31.598585	-0.009028	PASS
N77-345 0-3550	30	20	CP-16QAM	M	Outer_Full	NV	-10	-16.627691	-0.004751	PASS
N77-345 0-3550	30	20	CP-16QAM	M	Outer_Full	NV	0	-42.885487	-0.012253	PASS
N77-345 0-3550	30	20	CP-16QAM	M	Outer_Full	NV	10	-26.628042	-0.007608	PASS
N77-345 0-3550	30	20	CP-16QAM	M	Outer_Full	NV	20	-29.594112	-0.008455	PASS
N77-345 0-3550	30	20	CP-16QAM	M	Outer_Full	NV	30	-33.764599	-0.009647	PASS
N77-345	30	20	CP-16QAM	M	Outer_Full	NV	40	-36.063519	-0.010304	PASS

0-3550										
N77-345 0-3550	30	20	CP-16QAM	M	Outer_Full	NV	50	-20.690712	-0.005912	PASS
N77-345 0-3550	30	20	CP-QPSK	H	Outer_Full	NV	-30	-21.014765	-0.005936	PASS
N77-345 0-3550	30	20	CP-QPSK	H	Outer_Full	NV	-20	-15.550008	-0.004393	PASS
N77-345 0-3550	30	20	CP-QPSK	H	Outer_Full	NV	-10	-27.267605	-0.007703	PASS
N77-345 0-3550	30	20	CP-QPSK	H	Outer_Full	NV	0	-15.164947	-0.004284	PASS
N77-345 0-3550	30	20	CP-QPSK	H	Outer_Full	NV	10	-18.957623	-0.005355	PASS
N77-345 0-3550	30	20	CP-QPSK	H	Outer_Full	NV	20	-22.425491	-0.006335	PASS
N77-345 0-3550	30	20	CP-QPSK	H	Outer_Full	NV	30	-21.010536	-0.005935	PASS
N77-345 0-3550	30	20	CP-QPSK	H	Outer_Full	NV	40	-25.880951	-0.007311	PASS
N77-345 0-3550	30	20	CP-QPSK	H	Outer_Full	NV	50	-19.823154	-0.005600	PASS
N77-345 0-3550	30	20	CP-16QAM	H	Outer_Full	NV	-30	-28.860331	-0.008153	PASS
N77-345 0-3550	30	20	CP-16QAM	H	Outer_Full	NV	-20	-20.373360	-0.005755	PASS
N77-345 0-3550	30	20	CP-16QAM	H	Outer_Full	NV	-10	-19.174843	-0.005417	PASS
N77-345 0-3550	30	20	CP-16QAM	H	Outer_Full	NV	0	-33.889256	-0.009573	PASS
N77-345 0-3550	30	20	CP-16QAM	H	Outer_Full	NV	10	-26.285604	-0.007425	PASS
N77-345 0-3550	30	20	CP-16QAM	H	Outer_Full	NV	20	-22.129391	-0.006251	PASS
N77-345 0-3550	30	20	CP-16QAM	H	Outer_Full	NV	30	-33.227127	-0.009386	PASS
N77-345 0-3550	30	20	CP-16QAM	H	Outer_Full	NV	40	-25.492323	-0.007201	PASS
N77-345 0-3550	30	20	CP-16QAM	H	Outer_Full	NV	50	-24.205023	-0.006838	PASS
N77-345 0-3550	30	40	CP-QPSK	L	Outer_Full	NV	-30	-28.948689	-0.008343	PASS
N77-345	30	40	CP-QPSK	L	Outer_Full	NV	-20	-13.866972	-0.003996	PASS

0-3550										
N77-345 0-3550	30	40	CP-QPSK	L	Outer_Full	NV	-10	-21.697187	-0.006253	PASS
N77-345 0-3550	30	40	CP-QPSK	L	Outer_Full	NV	0	-15.254815	-0.004396	PASS
N77-345 0-3550	30	40	CP-QPSK	L	Outer_Full	NV	10	-24.957663	-0.007192	PASS
N77-345 0-3550	30	40	CP-QPSK	L	Outer_Full	NV	20	-30.778286	-0.008870	PASS
N77-345 0-3550	30	40	CP-QPSK	L	Outer_Full	NV	30	-10.969247	-0.003161	PASS
N77-345 0-3550	30	40	CP-QPSK	L	Outer_Full	NV	40	-35.464500	-0.010220	PASS
N77-345 0-3550	30	40	CP-QPSK	L	Outer_Full	NV	50	-32.389435	-0.009334	PASS
N77-345 0-3550	30	40	CP-16QAM	L	Outer_Full	NV	-30	-20.099899	-0.005792	PASS
N77-345 0-3550	30	40	CP-16QAM	L	Outer_Full	NV	-20	-13.970570	-0.004026	PASS
N77-345 0-3550	30	40	CP-16QAM	L	Outer_Full	NV	-10	-27.929279	-0.008049	PASS
N77-345 0-3550	30	40	CP-16QAM	L	Outer_Full	NV	0	-19.632214	-0.005658	PASS
N77-345 0-3550	30	40	CP-16QAM	L	Outer_Full	NV	10	-7.935427	-0.002287	PASS
N77-345 0-3550	30	40	CP-16QAM	L	Outer_Full	NV	20	-16.961634	-0.004888	PASS
N77-345 0-3550	30	40	CP-16QAM	L	Outer_Full	NV	30	-27.462013	-0.007914	PASS
N77-345 0-3550	30	40	CP-16QAM	L	Outer_Full	NV	40	-36.706024	-0.010578	PASS
N77-345 0-3550	30	40	CP-16QAM	L	Outer_Full	NV	50	-23.074835	-0.006650	PASS
N77-345 0-3550	30	40	CP-QPSK	M	Outer_Full	NV	-30	-24.228762	-0.006922	PASS
N77-345 0-3550	30	40	CP-QPSK	M	Outer_Full	NV	-20	-29.891846	-0.008541	PASS
N77-345 0-3550	30	40	CP-QPSK	M	Outer_Full	NV	-10	-5.831511	-0.001666	PASS
N77-345 0-3550	30	40	CP-QPSK	M	Outer_Full	NV	0	-20.877487	-0.005965	PASS
N77-345	30	40	CP-QPSK	M	Outer_Full	NV	10	-35.360172	-0.010103	PASS



0-3550										
N77-345 0-3550	30	40	CP-QPSK	M	Outer_Full	NV	20	-41.788914	-0.011940	PASS
N77-345 0-3550	30	40	CP-QPSK	M	Outer_Full	NV	30	-24.194962	-0.006913	PASS
N77-345 0-3550	30	40	CP-QPSK	M	Outer_Full	NV	40	-26.062319	-0.007446	PASS
N77-345 0-3550	30	40	CP-QPSK	M	Outer_Full	NV	50	-25.848757	-0.007385	PASS
N77-345 0-3550	30	40	CP-16QAM	M	Outer_Full	NV	-30	-37.153549	-0.010615	PASS
N77-345 0-3550	30	40	CP-16QAM	M	Outer_Full	NV	-20	-31.237719	-0.008925	PASS
N77-345 0-3550	30	40	CP-16QAM	M	Outer_Full	NV	-10	-22.721149	-0.006492	PASS
N77-345 0-3550	30	40	CP-16QAM	M	Outer_Full	NV	0	-38.436493	-0.010982	PASS
N77-345 0-3550	30	40	CP-16QAM	M	Outer_Full	NV	10	-29.220037	-0.008349	PASS
N77-345 0-3550	30	40	CP-16QAM	M	Outer_Full	NV	20	-20.260582	-0.005789	PASS
N77-345 0-3550	30	40	CP-16QAM	M	Outer_Full	NV	30	-13.123631	-0.003750	PASS
N77-345 0-3550	30	40	CP-16QAM	M	Outer_Full	NV	40	-23.152681	-0.006615	PASS
N77-345 0-3550	30	40	CP-16QAM	M	Outer_Full	NV	50	-35.451214	-0.010129	PASS
N77-345 0-3550	30	40	CP-QPSK	H	Outer_Full	NV	-30	-37.990288	-0.010762	PASS
N77-345 0-3550	30	40	CP-QPSK	H	Outer_Full	NV	-20	-30.173029	-0.008548	PASS
N77-345 0-3550	30	40	CP-QPSK	H	Outer_Full	NV	-10	-13.542964	-0.003837	PASS
N77-345 0-3550	30	40	CP-QPSK	H	Outer_Full	NV	0	-32.497639	-0.009206	PASS
N77-345 0-3550	30	40	CP-QPSK	H	Outer_Full	NV	10	-43.845009	-0.012421	PASS
N77-345 0-3550	30	40	CP-QPSK	H	Outer_Full	NV	20	-38.936504	-0.011030	PASS
N77-345 0-3550	30	40	CP-QPSK	H	Outer_Full	NV	30	-23.110477	-0.006547	PASS
N77-345	30	40	CP-QPSK	H	Outer_Full	NV	40	-28.709663	-0.008133	PASS

0-3550										
N77-345 0-3550	30	40	CP-QPSK	H	Outer_Full	NV	50	-36.330875	-0.010292	PASS
N77-345 0-3550	30	40	CP-16QAM	H	Outer_Full	NV	-30	-14.145232	-0.004007	PASS
N77-345 0-3550	30	40	CP-16QAM	H	Outer_Full	NV	-20	-28.876759	-0.008180	PASS
N77-345 0-3550	30	40	CP-16QAM	H	Outer_Full	NV	-10	-20.244982	-0.005735	PASS
N77-345 0-3550	30	40	CP-16QAM	H	Outer_Full	NV	0	-34.565620	-0.009792	PASS
N77-345 0-3550	30	40	CP-16QAM	H	Outer_Full	NV	10	-26.352814	-0.007465	PASS
N77-345 0-3550	30	40	CP-16QAM	H	Outer_Full	NV	20	-19.400976	-0.005496	PASS
N77-345 0-3550	30	40	CP-16QAM	H	Outer_Full	NV	30	-48.445137	-0.013724	PASS
N77-345 0-3550	30	40	CP-16QAM	H	Outer_Full	NV	40	-42.490234	-0.012037	PASS
N77-345 0-3550	30	40	CP-16QAM	H	Outer_Full	NV	50	-30.513773	-0.008644	PASS
N77-345 0-3550	30	50	CP-QPSK	L	Outer_Full	NV	-30	-44.548893	-0.012820	PASS
N77-345 0-3550	30	50	CP-QPSK	L	Outer_Full	NV	-20	-29.668365	-0.008538	PASS
N77-345 0-3550	30	50	CP-QPSK	L	Outer_Full	NV	-10	-58.169842	-0.016740	PASS
N77-345 0-3550	30	50	CP-QPSK	L	Outer_Full	NV	0	-42.661758	-0.012277	PASS
N77-345 0-3550	30	50	CP-QPSK	L	Outer_Full	NV	10	-41.647003	-0.011985	PASS
N77-345 0-3550	30	50	CP-QPSK	L	Outer_Full	NV	20	-40.564663	-0.011673	PASS
N77-345 0-3550	30	50	CP-QPSK	L	Outer_Full	NV	30	-24.969988	-0.007186	PASS
N77-345 0-3550	30	50	CP-QPSK	L	Outer_Full	NV	40	-48.836987	-0.014054	PASS
N77-345 0-3550	30	50	CP-QPSK	L	Outer_Full	NV	50	-30.149429	-0.008676	PASS
N77-345 0-3550	30	50	CP-16QAM	L	Outer_Full	NV	-30	-35.393311	-0.010185	PASS
N77-345	30	50	CP-16QAM	L	Outer_Full	NV	-20	-16.548470	-0.004762	PASS

0-3550										
N77-345 0-3550	30	50	CP-16QAM	L	Outer_Full	NV	-10	-38.720482	-0.011143	PASS
N77-345 0-3550	30	50	CP-16QAM	L	Outer_Full	NV	0	-24.307726	-0.006995	PASS
N77-345 0-3550	30	50	CP-16QAM	L	Outer_Full	NV	10	-26.988558	-0.007767	PASS
N77-345 0-3550	30	50	CP-16QAM	L	Outer_Full	NV	20	-53.849968	-0.015496	PASS
N77-345 0-3550	30	50	CP-16QAM	L	Outer_Full	NV	30	-36.021095	-0.010366	PASS
N77-345 0-3550	30	50	CP-16QAM	L	Outer_Full	NV	40	-21.612478	-0.006219	PASS
N77-345 0-3550	30	50	CP-16QAM	L	Outer_Full	NV	50	-45.854042	-0.013195	PASS
N77-345 0-3550	30	50	CP-QPSK	M	Outer_Full	NV	-30	-34.267799	-0.009791	PASS
N77-345 0-3550	30	50	CP-QPSK	M	Outer_Full	NV	-20	-14.771263	-0.004220	PASS
N77-345 0-3550	30	50	CP-QPSK	M	Outer_Full	NV	-10	-33.581486	-0.009595	PASS
N77-345 0-3550	30	50	CP-QPSK	M	Outer_Full	NV	0	-28.368450	-0.008105	PASS
N77-345 0-3550	30	50	CP-QPSK	M	Outer_Full	NV	10	-38.041481	-0.010869	PASS
N77-345 0-3550	30	50	CP-QPSK	M	Outer_Full	NV	20	-25.356083	-0.007245	PASS
N77-345 0-3550	30	50	CP-QPSK	M	Outer_Full	NV	30	-29.021162	-0.008292	PASS
N77-345 0-3550	30	50	CP-QPSK	M	Outer_Full	NV	40	-35.464176	-0.010133	PASS
N77-345 0-3550	30	50	CP-QPSK	M	Outer_Full	NV	50	-13.245692	-0.003784	PASS
N77-345 0-3550	30	50	CP-16QAM	M	Outer_Full	NV	-30	-22.364157	-0.006390	PASS
N77-345 0-3550	30	50	CP-16QAM	M	Outer_Full	NV	-20	-17.753542	-0.005072	PASS
N77-345 0-3550	30	50	CP-16QAM	M	Outer_Full	NV	-10	-21.559101	-0.006160	PASS
N77-345 0-3550	30	50	CP-16QAM	M	Outer_Full	NV	0	-14.727471	-0.004208	PASS
N77-345	30	50	CP-16QAM	M	Outer_Full	NV	10	-13.378246	-0.003822	PASS

0-3550										
N77-345 0-3550	30	50	CP-16QAM	M	Outer_Full	NV	20	-33.065300	-0.009447	PASS
N77-345 0-3550	30	50	CP-16QAM	M	Outer_Full	NV	30	-26.528822	-0.007580	PASS
N77-345 0-3550	30	50	CP-16QAM	M	Outer_Full	NV	40	-24.898165	-0.007114	PASS
N77-345 0-3550	30	50	CP-16QAM	M	Outer_Full	NV	50	-15.926225	-0.004550	PASS
N77-345 0-3550	30	50	CP-QPSK	H	Outer_Full	NV	-30	-22.957876	-0.006513	PASS
N77-345 0-3550	30	50	CP-QPSK	H	Outer_Full	NV	-20	-20.415874	-0.005792	PASS
N77-345 0-3550	30	50	CP-QPSK	H	Outer_Full	NV	-10	-12.731384	-0.003612	PASS
N77-345 0-3550	30	50	CP-QPSK	H	Outer_Full	NV	0	-19.399212	-0.005503	PASS
N77-345 0-3550	30	50	CP-QPSK	H	Outer_Full	NV	10	-37.164421	-0.010543	PASS
N77-345 0-3550	30	50	CP-QPSK	H	Outer_Full	NV	20	-19.479069	-0.005526	PASS
N77-345 0-3550	30	50	CP-QPSK	H	Outer_Full	NV	30	-15.367823	-0.004360	PASS
N77-345 0-3550	30	50	CP-QPSK	H	Outer_Full	NV	40	-29.181406	-0.008278	PASS
N77-345 0-3550	30	50	CP-QPSK	H	Outer_Full	NV	50	-40.613197	-0.011521	PASS
N77-345 0-3550	30	50	CP-16QAM	H	Outer_Full	NV	-30	-15.618319	-0.004431	PASS
N77-345 0-3550	30	50	CP-16QAM	H	Outer_Full	NV	-20	-44.183384	-0.012534	PASS
N77-345 0-3550	30	50	CP-16QAM	H	Outer_Full	NV	-10	-25.901964	-0.007348	PASS
N77-345 0-3550	30	50	CP-16QAM	H	Outer_Full	NV	0	-34.878780	-0.009895	PASS
N77-345 0-3550	30	50	CP-16QAM	H	Outer_Full	NV	10	-38.251465	-0.010851	PASS
N77-345 0-3550	30	50	CP-16QAM	H	Outer_Full	NV	20	-21.259636	-0.006031	PASS
N77-345 0-3550	30	50	CP-16QAM	H	Outer_Full	NV	30	-25.605993	-0.007264	PASS
N77-345	30	50	CP-16QAM	H	Outer_Full	NV	40	-48.167721	-0.013665	PASS

0-3550										
N77-345 0-3550	30	50	CP-16QAM	H	Outer_Full	NV	50	-31.897112	-0.009049	PASS
N77-345 0-3550	30	60	CP-QPSK	L	Outer_Full	NV	-30	-32.498932	-0.009339	PASS
N77-345 0-3550	30	60	CP-QPSK	L	Outer_Full	NV	-20	-30.381674	-0.008730	PASS
N77-345 0-3550	30	60	CP-QPSK	L	Outer_Full	NV	-10	-18.095593	-0.005200	PASS
N77-345 0-3550	30	60	CP-QPSK	L	Outer_Full	NV	0	-22.799675	-0.006552	PASS
N77-345 0-3550	30	60	CP-QPSK	L	Outer_Full	NV	10	-24.188721	-0.006951	PASS
N77-345 0-3550	30	60	CP-QPSK	L	Outer_Full	NV	20	-24.720421	-0.007104	PASS
N77-345 0-3550	30	60	CP-QPSK	L	Outer_Full	NV	30	-18.589670	-0.005342	PASS
N77-345 0-3550	30	60	CP-QPSK	L	Outer_Full	NV	40	-29.504007	-0.008478	PASS
N77-345 0-3550	30	60	CP-QPSK	L	Outer_Full	NV	50	-15.847500	-0.004554	PASS
N77-345 0-3550	30	60	CP-16QAM	L	Outer_Full	NV	-30	-39.198006	-0.011264	PASS
N77-345 0-3550	30	60	CP-16QAM	L	Outer_Full	NV	-20	-18.728806	-0.005382	PASS
N77-345 0-3550	30	60	CP-16QAM	L	Outer_Full	NV	-10	-38.925362	-0.011185	PASS
N77-345 0-3550	30	60	CP-16QAM	L	Outer_Full	NV	0	-13.651536	-0.003923	PASS
N77-345 0-3550	30	60	CP-16QAM	L	Outer_Full	NV	10	-28.145432	-0.008088	PASS
N77-345 0-3550	30	60	CP-16QAM	L	Outer_Full	NV	20	-26.131952	-0.007509	PASS
N77-345 0-3550	30	60	CP-16QAM	L	Outer_Full	NV	30	-41.970303	-0.012060	PASS
N77-345 0-3550	30	60	CP-16QAM	L	Outer_Full	NV	40	-36.831791	-0.010584	PASS
N77-345 0-3550	30	60	CP-16QAM	L	Outer_Full	NV	50	-26.833418	-0.007711	PASS
N77-345 0-3550	30	60	CP-QPSK	M	Outer_Full	NV	-30	-34.612999	-0.009889	PASS
N77-345	30	60	CP-QPSK	M	Outer_Full	NV	-20	-34.985981	-0.009996	PASS

0-3550										
N77-345 0-3550	30	60	CP-QPSK	M	Outer_Full	NV	-10	-24.753582	-0.007072	PASS
N77-345 0-3550	30	60	CP-QPSK	M	Outer_Full	NV	0	-31.492849	-0.008998	PASS
N77-345 0-3550	30	60	CP-QPSK	M	Outer_Full	NV	10	-26.617441	-0.007605	PASS
N77-345 0-3550	30	60	CP-QPSK	M	Outer_Full	NV	20	-18.892601	-0.005398	PASS
N77-345 0-3550	30	60	CP-QPSK	M	Outer_Full	NV	30	-32.965771	-0.009419	PASS
N77-345 0-3550	30	60	CP-QPSK	M	Outer_Full	NV	40	-17.427465	-0.004979	PASS
N77-345 0-3550	30	60	CP-QPSK	M	Outer_Full	NV	50	-25.450089	-0.007271	PASS
N77-345 0-3550	30	60	CP-16QAM	M	Outer_Full	NV	-30	-21.206078	-0.006059	PASS
N77-345 0-3550	30	60	CP-16QAM	M	Outer_Full	NV	-20	-22.259409	-0.006360	PASS
N77-345 0-3550	30	60	CP-16QAM	M	Outer_Full	NV	-10	-42.624546	-0.012178	PASS
N77-345 0-3550	30	60	CP-16QAM	M	Outer_Full	NV	0	-38.503128	-0.011001	PASS
N77-345 0-3550	30	60	CP-16QAM	M	Outer_Full	NV	10	-37.237469	-0.010639	PASS
N77-345 0-3550	30	60	CP-16QAM	M	Outer_Full	NV	20	-30.654037	-0.008758	PASS
N77-345 0-3550	30	60	CP-16QAM	M	Outer_Full	NV	30	-27.909349	-0.007974	PASS
N77-345 0-3550	30	60	CP-16QAM	M	Outer_Full	NV	40	-22.234467	-0.006353	PASS
N77-345 0-3550	30	60	CP-16QAM	M	Outer_Full	NV	50	-17.122820	-0.004892	PASS
N77-345 0-3550	30	60	CP-QPSK	H	Outer_Full	NV	-30	-28.153019	-0.007998	PASS
N77-345 0-3550	30	60	CP-QPSK	H	Outer_Full	NV	-20	-38.253876	-0.010868	PASS
N77-345 0-3550	30	60	CP-QPSK	H	Outer_Full	NV	-10	-18.110111	-0.005145	PASS
N77-345 0-3550	30	60	CP-QPSK	H	Outer_Full	NV	0	-13.206717	-0.003752	PASS
N77-345	30	60	CP-QPSK	H	Outer_Full	NV	10	-24.641657	-0.007001	PASS

0-3550										
N77-345 0-3550	30	60	CP-QPSK	H	Outer_Full	NV	20	-16.238766	-0.004613	PASS
N77-345 0-3550	30	60	CP-QPSK	H	Outer_Full	NV	30	-22.861982	-0.006495	PASS
N77-345 0-3550	30	60	CP-QPSK	H	Outer_Full	NV	40	-2.005583	-0.000570	PASS
N77-345 0-3550	30	60	CP-QPSK	H	Outer_Full	NV	50	-7.649194	-0.002173	PASS
N77-345 0-3550	30	60	CP-16QAM	H	Outer_Full	NV	-30	-20.225744	-0.005746	PASS
N77-345 0-3550	30	60	CP-16QAM	H	Outer_Full	NV	-20	-15.661016	-0.004449	PASS
N77-345 0-3550	30	60	CP-16QAM	H	Outer_Full	NV	-10	-9.965816	-0.002831	PASS
N77-345 0-3550	30	60	CP-16QAM	H	Outer_Full	NV	0	-27.529722	-0.007821	PASS
N77-345 0-3550	30	60	CP-16QAM	H	Outer_Full	NV	10	-17.940578	-0.005097	PASS
N77-345 0-3550	30	60	CP-16QAM	H	Outer_Full	NV	20	-33.551842	-0.009532	PASS
N77-345 0-3550	30	60	CP-16QAM	H	Outer_Full	NV	30	-27.966757	-0.007945	PASS
N77-345 0-3550	30	60	CP-16QAM	H	Outer_Full	NV	40	-13.853630	-0.003936	PASS
N77-345 0-3550	30	60	CP-16QAM	H	Outer_Full	NV	50	-27.922001	-0.007932	PASS
N77-345 0-3550	30	80	CP-QPSK	L	Outer_Full	NV	-30	-19.777649	-0.005667	PASS
N77-345 0-3550	30	80	CP-QPSK	L	Outer_Full	NV	-20	-11.887106	-0.003406	PASS
N77-345 0-3550	30	80	CP-QPSK	L	Outer_Full	NV	-10	-15.452831	-0.004428	PASS
N77-345 0-3550	30	80	CP-QPSK	L	Outer_Full	NV	0	-27.924185	-0.008001	PASS
N77-345 0-3550	30	80	CP-QPSK	L	Outer_Full	NV	10	-20.682585	-0.005926	PASS
N77-345 0-3550	30	80	CP-QPSK	L	Outer_Full	NV	20	-31.057924	-0.008899	PASS
N77-345 0-3550	30	80	CP-QPSK	L	Outer_Full	NV	30	-32.220085	-0.009232	PASS
N77-345	30	80	CP-QPSK	L	Outer_Full	NV	40	-26.696777	-0.007650	PASS

0-3550										
N77-345 0-3550	30	80	CP-QPSK	L	Outer_Full	NV	50	-18.997381	-0.005443	PASS
N77-345 0-3550	30	80	CP-16QAM	L	Outer_Full	NV	-30	-13.138289	-0.003765	PASS
N77-345 0-3550	30	80	CP-16QAM	L	Outer_Full	NV	-20	-40.100918	-0.011490	PASS
N77-345 0-3550	30	80	CP-16QAM	L	Outer_Full	NV	-10	-18.765881	-0.005377	PASS
N77-345 0-3550	30	80	CP-16QAM	L	Outer_Full	NV	0	-23.943184	-0.006861	PASS
N77-345 0-3550	30	80	CP-16QAM	L	Outer_Full	NV	10	-26.378965	-0.007558	PASS
N77-345 0-3550	30	80	CP-16QAM	L	Outer_Full	NV	20	-24.839874	-0.007117	PASS
N77-345 0-3550	30	80	CP-16QAM	L	Outer_Full	NV	30	-26.125341	-0.007486	PASS
N77-345 0-3550	30	80	CP-16QAM	L	Outer_Full	NV	40	-24.824438	-0.007113	PASS
N77-345 0-3550	30	80	CP-16QAM	L	Outer_Full	NV	50	-24.037489	-0.006888	PASS
N77-345 0-3550	30	80	CP-QPSK	M	Outer_Full	NV	-30	-39.655746	-0.011330	PASS
N77-345 0-3550	30	80	CP-QPSK	M	Outer_Full	NV	-20	-33.803089	-0.009658	PASS
N77-345 0-3550	30	80	CP-QPSK	M	Outer_Full	NV	-10	-37.800171	-0.010800	PASS
N77-345 0-3550	30	80	CP-QPSK	M	Outer_Full	NV	0	-9.376848	-0.002679	PASS
N77-345 0-3550	30	80	CP-QPSK	M	Outer_Full	NV	10	-33.536411	-0.009582	PASS
N77-345 0-3550	30	80	CP-QPSK	M	Outer_Full	NV	20	-26.070681	-0.007449	PASS
N77-345 0-3550	30	80	CP-QPSK	M	Outer_Full	NV	30	-38.832947	-0.011095	PASS
N77-345 0-3550	30	80	CP-QPSK	M	Outer_Full	NV	40	-26.578485	-0.007594	PASS
N77-345 0-3550	30	80	CP-QPSK	M	Outer_Full	NV	50	-32.389812	-0.009254	PASS
N77-345 0-3550	30	80	CP-16QAM	M	Outer_Full	NV	-30	-36.368584	-0.010391	PASS
N77-345	30	80	CP-16QAM	M	Outer_Full	NV	-20	-32.724270	-0.009350	PASS



0-3550										
N77-345 0-3550	30	80	CP-16QAM	M	Outer_Full	NV	-10	-31.579315	-0.009023	PASS
N77-345 0-3550	30	80	CP-16QAM	M	Outer_Full	NV	0	-27.640869	-0.007897	PASS
N77-345 0-3550	30	80	CP-16QAM	M	Outer_Full	NV	10	-21.588634	-0.006168	PASS
N77-345 0-3550	30	80	CP-16QAM	M	Outer_Full	NV	20	-17.869991	-0.005106	PASS
N77-345 0-3550	30	80	CP-16QAM	M	Outer_Full	NV	30	-38.844006	-0.011098	PASS
N77-345 0-3550	30	80	CP-16QAM	M	Outer_Full	NV	40	-27.227543	-0.007779	PASS
N77-345 0-3550	30	80	CP-16QAM	M	Outer_Full	NV	50	-47.101814	-0.013458	PASS
N77-345 0-3550	30	80	CP-QPSK	H	Outer_Full	NV	-30	-30.632746	-0.008727	PASS
N77-345 0-3550	30	80	CP-QPSK	H	Outer_Full	NV	-20	-21.196899	-0.006039	PASS
N77-345 0-3550	30	80	CP-QPSK	H	Outer_Full	NV	-10	-33.611061	-0.009576	PASS
N77-345 0-3550	30	80	CP-QPSK	H	Outer_Full	NV	0	-29.782558	-0.008485	PASS
N77-345 0-3550	30	80	CP-QPSK	H	Outer_Full	NV	10	-24.693810	-0.007035	PASS
N77-345 0-3550	30	80	CP-QPSK	H	Outer_Full	NV	20	-24.963591	-0.007112	PASS
N77-345 0-3550	30	80	CP-QPSK	H	Outer_Full	NV	30	-33.155380	-0.009446	PASS
N77-345 0-3550	30	80	CP-QPSK	H	Outer_Full	NV	40	-18.923346	-0.005391	PASS
N77-345 0-3550	30	80	CP-QPSK	H	Outer_Full	NV	50	-25.549362	-0.007279	PASS
N77-345 0-3550	30	80	CP-16QAM	H	Outer_Full	NV	-30	-15.164568	-0.004320	PASS
N77-345 0-3550	30	80	CP-16QAM	H	Outer_Full	NV	-20	-15.259564	-0.004347	PASS
N77-345 0-3550	30	80	CP-16QAM	H	Outer_Full	NV	-10	-36.743462	-0.010468	PASS
N77-345 0-3550	30	80	CP-16QAM	H	Outer_Full	NV	0	-31.849134	-0.009074	PASS
N77-345	30	80	CP-16QAM	H	Outer_Full	NV	10	-28.210032	-0.008037	PASS

0-3550										
N77-345 0-3550	30	80	CP-16QAM	H	Outer_Full	NV	20	-18.483841	-0.005266	PASS
N77-345 0-3550	30	80	CP-16QAM	H	Outer_Full	NV	30	-12.772035	-0.003639	PASS
N77-345 0-3550	30	80	CP-16QAM	H	Outer_Full	NV	40	-25.711966	-0.007325	PASS
N77-345 0-3550	30	80	CP-16QAM	H	Outer_Full	NV	50	-21.952656	-0.006254	PASS
N77-345 0-3550	30	90	CP-QPSK	L	Outer_Full	NV	-30	-26.327072	-0.007533	PASS
N77-345 0-3550	30	90	CP-QPSK	L	Outer_Full	NV	-20	-13.156099	-0.003764	PASS
N77-345 0-3550	30	90	CP-QPSK	L	Outer_Full	NV	-10	-21.786983	-0.006234	PASS
N77-345 0-3550	30	90	CP-QPSK	L	Outer_Full	NV	0	-18.081779	-0.005174	PASS
N77-345 0-3550	30	90	CP-QPSK	L	Outer_Full	NV	10	-24.848984	-0.007110	PASS
N77-345 0-3550	30	90	CP-QPSK	L	Outer_Full	NV	20	-20.625645	-0.005901	PASS
N77-345 0-3550	30	90	CP-QPSK	L	Outer_Full	NV	30	-23.128798	-0.006618	PASS
N77-345 0-3550	30	90	CP-QPSK	L	Outer_Full	NV	40	-23.044102	-0.006593	PASS
N77-345 0-3550	30	90	CP-QPSK	L	Outer_Full	NV	50	-16.456911	-0.004709	PASS
N77-345 0-3550	30	90	CP-16QAM	L	Outer_Full	NV	-30	-24.605400	-0.007040	PASS
N77-345 0-3550	30	90	CP-16QAM	L	Outer_Full	NV	-20	-9.882781	-0.002828	PASS
N77-345 0-3550	30	90	CP-16QAM	L	Outer_Full	NV	-10	-12.589231	-0.003602	PASS
N77-345 0-3550	30	90	CP-16QAM	L	Outer_Full	NV	0	-0.238341	-0.000068	PASS
N77-345 0-3550	30	90	CP-16QAM	L	Outer_Full	NV	10	-19.106966	-0.005467	PASS
N77-345 0-3550	30	90	CP-16QAM	L	Outer_Full	NV	20	-18.283562	-0.005231	PASS
N77-345 0-3550	30	90	CP-16QAM	L	Outer_Full	NV	30	-19.780048	-0.005660	PASS
N77-345	30	90	CP-16QAM	L	Outer_Full	NV	40	-21.036430	-0.006019	PASS

0-3550										
N77-345 0-3550	30	90	CP-16QAM	L	Outer_Full	NV	50	-11.282372	-0.003228	PASS
N77-345 0-3550	30	90	CP-QPSK	M	Outer_Full	NV	-30	-13.613140	-0.003889	PASS
N77-345 0-3550	30	90	CP-QPSK	M	Outer_Full	NV	-20	-21.326334	-0.006093	PASS
N77-345 0-3550	30	90	CP-QPSK	M	Outer_Full	NV	-10	-22.218121	-0.006348	PASS
N77-345 0-3550	30	90	CP-QPSK	M	Outer_Full	NV	0	-21.978216	-0.006279	PASS
N77-345 0-3550	30	90	CP-QPSK	M	Outer_Full	NV	10	-40.539333	-0.011583	PASS
N77-345 0-3550	30	90	CP-QPSK	M	Outer_Full	NV	20	-25.577936	-0.007308	PASS
N77-345 0-3550	30	90	CP-QPSK	M	Outer_Full	NV	30	-38.080360	-0.010880	PASS
N77-345 0-3550	30	90	CP-QPSK	M	Outer_Full	NV	40	-16.928202	-0.004837	PASS
N77-345 0-3550	30	90	CP-QPSK	M	Outer_Full	NV	50	-21.070677	-0.006020	PASS
N77-345 0-3550	30	90	CP-16QAM	M	Outer_Full	NV	-30	-24.936234	-0.007125	PASS
N77-345 0-3550	30	90	CP-16QAM	M	Outer_Full	NV	-20	-16.525368	-0.004722	PASS
N77-345 0-3550	30	90	CP-16QAM	M	Outer_Full	NV	-10	-9.534203	-0.002724	PASS
N77-345 0-3550	30	90	CP-16QAM	M	Outer_Full	NV	0	-24.820538	-0.007092	PASS
N77-345 0-3550	30	90	CP-16QAM	M	Outer_Full	NV	10	-16.405825	-0.004687	PASS
N77-345 0-3550	30	90	CP-16QAM	M	Outer_Full	NV	20	-32.551022	-0.009300	PASS
N77-345 0-3550	30	90	CP-16QAM	M	Outer_Full	NV	30	-23.985050	-0.006853	PASS
N77-345 0-3550	30	90	CP-16QAM	M	Outer_Full	NV	40	-35.579117	-0.010165	PASS
N77-345 0-3550	30	90	CP-16QAM	M	Outer_Full	NV	50	-23.746426	-0.006785	PASS
N77-345 0-3550	30	90	CP-QPSK	H	Outer_Full	NV	-30	-18.624346	-0.005314	PASS
N77-345	30	90	CP-QPSK	H	Outer_Full	NV	-20	-34.362293	-0.009804	PASS

0-3550										
N77-345 0-3550	30	90	CP-QPSK	H	Outer_Full	NV	-10	-32.274254	-0.009208	PASS
N77-345 0-3550	30	90	CP-QPSK	H	Outer_Full	NV	0	-22.056030	-0.006293	PASS
N77-345 0-3550	30	90	CP-QPSK	H	Outer_Full	NV	10	-26.318338	-0.007509	PASS
N77-345 0-3550	30	90	CP-QPSK	H	Outer_Full	NV	20	-25.810951	-0.007364	PASS
N77-345 0-3550	30	90	CP-QPSK	H	Outer_Full	NV	30	-20.863491	-0.005953	PASS
N77-345 0-3550	30	90	CP-QPSK	H	Outer_Full	NV	40	-19.993475	-0.005704	PASS
N77-345 0-3550	30	90	CP-QPSK	H	Outer_Full	NV	50	-28.735363	-0.008198	PASS
N77-345 0-3550	30	90	CP-16QAM	H	Outer_Full	NV	-30	-20.084774	-0.005730	PASS
N77-345 0-3550	30	90	CP-16QAM	H	Outer_Full	NV	-20	-24.390774	-0.006959	PASS
N77-345 0-3550	30	90	CP-16QAM	H	Outer_Full	NV	-10	-28.588804	-0.008157	PASS
N77-345 0-3550	30	90	CP-16QAM	H	Outer_Full	NV	0	-29.802488	-0.008503	PASS
N77-345 0-3550	30	90	CP-16QAM	H	Outer_Full	NV	10	-27.649187	-0.007889	PASS
N77-345 0-3550	30	90	CP-16QAM	H	Outer_Full	NV	20	-41.372284	-0.011804	PASS
N77-345 0-3550	30	90	CP-16QAM	H	Outer_Full	NV	30	0.789311	0.000225	PASS
N77-345 0-3550	30	90	CP-16QAM	H	Outer_Full	NV	40	-12.217174	-0.003486	PASS
N77-345 0-3550	30	90	CP-16QAM	H	Outer_Full	NV	50	-26.581972	-0.007584	PASS
N77-345 0-3550	30	100	CP-QPSK	L	Outer_Full	NV	-30	-43.414490	-0.012404	PASS
N77-345 0-3550	30	100	CP-QPSK	L	Outer_Full	NV	-20	-33.530071	-0.009580	PASS
N77-345 0-3550	30	100	CP-QPSK	L	Outer_Full	NV	-10	-11.752346	-0.003358	PASS
N77-345 0-3550	30	100	CP-QPSK	L	Outer_Full	NV	0	-21.486135	-0.006139	PASS
N77-345	30	100	CP-QPSK	L	Outer_Full	NV	10	-15.699459	-0.004486	PASS

0-3550										
N77-345 0-3550	30	100	CP-QPSK	L	Outer_Full	NV	20	-11.908003	-0.003402	PASS
N77-345 0-3550	30	100	CP-QPSK	L	Outer_Full	NV	30	-40.161987	-0.011475	PASS
N77-345 0-3550	30	100	CP-QPSK	L	Outer_Full	NV	40	-26.815176	-0.007661	PASS
N77-345 0-3550	30	100	CP-QPSK	L	Outer_Full	NV	50	-30.806913	-0.008802	PASS
N77-345 0-3550	30	100	CP-16QAM	L	Outer_Full	NV	-30	-33.929993	-0.009694	PASS
N77-345 0-3550	30	100	CP-16QAM	L	Outer_Full	NV	-20	-25.220911	-0.007206	PASS
N77-345 0-3550	30	100	CP-16QAM	L	Outer_Full	NV	-10	-17.196600	-0.004913	PASS
N77-345 0-3550	30	100	CP-16QAM	L	Outer_Full	NV	0	-23.358732	-0.006674	PASS
N77-345 0-3550	30	100	CP-16QAM	L	Outer_Full	NV	10	-13.472329	-0.003849	PASS
N77-345 0-3550	30	100	CP-16QAM	L	Outer_Full	NV	20	-35.275967	-0.010079	PASS
N77-345 0-3550	30	100	CP-16QAM	L	Outer_Full	NV	30	-39.378181	-0.011251	PASS
N77-345 0-3550	30	100	CP-16QAM	L	Outer_Full	NV	40	-26.261909	-0.007503	PASS
N77-345 0-3550	30	100	CP-16QAM	L	Outer_Full	NV	50	-28.717985	-0.008205	PASS
N77-345 0-3550	30	100	CP-QPSK	M	Outer_Full	NV	-30	-19.708696	-0.005631	PASS
N77-345 0-3550	30	100	CP-QPSK	M	Outer_Full	NV	-20	-18.656242	-0.005330	PASS
N77-345 0-3550	30	100	CP-QPSK	M	Outer_Full	NV	-10	-13.494872	-0.003856	PASS
N77-345 0-3550	30	100	CP-QPSK	M	Outer_Full	NV	0	-12.213898	-0.003490	PASS
N77-345 0-3550	30	100	CP-QPSK	M	Outer_Full	NV	10	-29.397009	-0.008399	PASS
N77-345 0-3550	30	100	CP-QPSK	M	Outer_Full	NV	20	-43.582943	-0.012452	PASS
N77-345 0-3550	30	100	CP-QPSK	M	Outer_Full	NV	30	-22.343988	-0.006384	PASS
N77-345	30	100	CP-QPSK	M	Outer_Full	NV	40	-37.064934	-0.010590	PASS

0-3550										
N77-345 0-3550	30	100	CP-QPSK	M	Outer_Full	NV	50	-11.749240	-0.003357	PASS
N77-345 0-3550	30	100	CP-16QAM	M	Outer_Full	NV	-30	-33.519405	-0.009577	PASS
N77-345 0-3550	30	100	CP-16QAM	M	Outer_Full	NV	-20	-29.159803	-0.008331	PASS
N77-345 0-3550	30	100	CP-16QAM	M	Outer_Full	NV	-10	-23.977655	-0.006851	PASS
N77-345 0-3550	30	100	CP-16QAM	M	Outer_Full	NV	0	-33.567806	-0.009591	PASS
N77-345 0-3550	30	100	CP-16QAM	M	Outer_Full	NV	10	-27.732801	-0.007924	PASS
N77-345 0-3550	30	100	CP-16QAM	M	Outer_Full	NV	20	-38.186295	-0.010910	PASS
N77-345 0-3550	30	100	CP-16QAM	M	Outer_Full	NV	30	-31.185274	-0.008910	PASS
N77-345 0-3550	30	100	CP-16QAM	M	Outer_Full	NV	40	-22.115629	-0.006319	PASS
N77-345 0-3550	30	100	CP-16QAM	M	Outer_Full	NV	50	-14.590791	-0.004169	PASS
N77-345 0-3550	30	100	CP-QPSK	H	Outer_Full	NV	-30	-21.751680	-0.006215	PASS
N77-345 0-3550	30	100	CP-QPSK	H	Outer_Full	NV	-20	-35.915836	-0.010262	PASS
N77-345 0-3550	30	100	CP-QPSK	H	Outer_Full	NV	-10	-24.940308	-0.007126	PASS
N77-345 0-3550	30	100	CP-QPSK	H	Outer_Full	NV	0	-34.995647	-0.009999	PASS
N77-345 0-3550	30	100	CP-QPSK	H	Outer_Full	NV	10	-21.818045	-0.006234	PASS
N77-345 0-3550	30	100	CP-QPSK	H	Outer_Full	NV	20	-34.218315	-0.009777	PASS
N77-345 0-3550	30	100	CP-QPSK	H	Outer_Full	NV	30	-39.730747	-0.011352	PASS
N77-345 0-3550	30	100	CP-QPSK	H	Outer_Full	NV	40	-29.828316	-0.008522	PASS
N77-345 0-3550	30	100	CP-QPSK	H	Outer_Full	NV	50	-36.983944	-0.010567	PASS
N77-345 0-3550	30	100	CP-16QAM	H	Outer_Full	NV	-30	-16.349583	-0.004671	PASS
N77-345	30	100	CP-16QAM	H	Outer_Full	NV	-20	-23.602365	-0.006744	PASS

0-3550										
N77-345 0-3550	30	100	CP-16QAM	H	Outer_Full	NV	-10	-32.963436	-0.009418	PASS
N77-345 0-3550	30	100	CP-16QAM	H	Outer_Full	NV	0	-18.129490	-0.005180	PASS
N77-345 0-3550	30	100	CP-16QAM	H	Outer_Full	NV	10	-42.523777	-0.012150	PASS
N77-345 0-3550	30	100	CP-16QAM	H	Outer_Full	NV	20	-31.573893	-0.009021	PASS
N77-345 0-3550	30	100	CP-16QAM	H	Outer_Full	NV	30	-20.376297	-0.005822	PASS
N77-345 0-3550	30	100	CP-16QAM	H	Outer_Full	NV	40	-28.797693	-0.008228	PASS
N77-345 0-3550	30	100	CP-16QAM	H	Outer_Full	NV	50	-15.028151	-0.004294	PASS