































**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	-20.68	0.01	PASS
N77-345 0-3550	30	20	CP-QPSK	L	Outer_Full	VN	NT	-14.68	0.00	PASS
N77-345 0-3550	30	20	CP-QPSK	L	Outer_Full	VH	NT	-32.34	-0.01	PASS
N77-345 0-3550	30	20	CP-16QAM	L	Outer_Full	VL	NT	-25.30	-0.01	PASS
N77-345 0-3550	30	20	CP-16QAM	L	Outer_Full	VN	NT	-29.60	-0.01	PASS
N77-345 0-3550	30	20	CP-16QAM	L	Outer_Full	VH	NT	-17.47	-0.01	PASS
N77-345 0-3550	30	20	CP-QPSK	M	Outer_Full	VL	NT	-40.37	-0.01	PASS
N77-345 0-3550	30	20	CP-QPSK	M	Outer_Full	VN	NT	-40.61	-0.01	PASS
N77-345 0-3550	30	20	CP-QPSK	M	Outer_Full	VH	NT	-16.50	0.00	PASS
N77-345 0-3550	30	20	CP-16QAM	M	Outer_Full	VL	NT	-26.24	-0.01	PASS
N77-345 0-3550	30	20	CP-16QAM	M	Outer_Full	VN	NT	-14.49	0.00	PASS
N77-345 0-3550	30	20	CP-16QAM	M	Outer_Full	VH	NT	-27.50	-0.01	PASS
N77-345 0-3550	30	20	CP-QPSK	H	Outer_Full	VL	NT	-30.66	-0.01	PASS
N77-345 0-3550	30	20	CP-QPSK	H	Outer_Full	VN	NT	-28.67	-0.01	PASS
N77-345 0-3550	30	20	CP-QPSK	H	Outer_Full	VH	NT	-21.34	-0.01	PASS
N77-345 0-3550	30	20	CP-16QAM	H	Outer_Full	VL	NT	-21.07	-0.01	PASS
N77-345	30	20	CP-16QAM	H	Outer_Full	VN	NT	-21.09	-0.01	PASS

0-3550										
N77-345 0-3550	30	20	CP-16QAM	H	Outer_Full	VH	NT	-25.63	-0.01	PASS
N77-345 0-3550	30	40	CP-QPSK	L	Outer_Full	VL	NT	-36.48	-0.01	PASS
N77-345 0-3550	30	40	CP-QPSK	L	Outer_Full	VN	NT	-26.04	-0.01	PASS
N77-345 0-3550	30	40	CP-QPSK	L	Outer_Full	VH	NT	-25.84	-0.01	PASS
N77-345 0-3550	30	40	CP-16QAM	L	Outer_Full	VL	NT	-46.03	-0.01	PASS
N77-345 0-3550	30	40	CP-16QAM	L	Outer_Full	VN	NT	-32.90	-0.01	PASS
N77-345 0-3550	30	40	CP-16QAM	L	Outer_Full	VH	NT	-17.17	0.00	PASS
N77-345 0-3550	30	40	CP-QPSK	M	Outer_Full	VL	NT	-27.71	-0.01	PASS
N77-345 0-3550	30	40	CP-QPSK	M	Outer_Full	VN	NT	-35.88	-0.01	PASS
N77-345 0-3550	30	40	CP-QPSK	M	Outer_Full	VH	NT	-22.72	-0.01	PASS
N77-345 0-3550	30	40	CP-16QAM	M	Outer_Full	VL	NT	-32.69	-0.01	PASS
N77-345 0-3550	30	40	CP-16QAM	M	Outer_Full	VN	NT	-32.96	-0.01	PASS
N77-345 0-3550	30	40	CP-16QAM	M	Outer_Full	VH	NT	-27.05	-0.01	PASS
N77-345 0-3550	30	40	CP-QPSK	H	Outer_Full	VL	NT	-29.11	-0.01	PASS
N77-345 0-3550	30	40	CP-QPSK	H	Outer_Full	VN	NT	-18.98	-0.01	PASS
N77-345 0-3550	30	40	CP-QPSK	H	Outer_Full	VH	NT	-13.86	0.00	PASS
N77-345 0-3550	30	40	CP-16QAM	H	Outer_Full	VL	NT	-21.17	-0.01	PASS
N77-345 0-3550	30	40	CP-16QAM	H	Outer_Full	VN	NT	-22.43	-0.01	PASS
N77-345 0-3550	30	40	CP-16QAM	H	Outer_Full	VH	NT	-20.44	-0.01	PASS
N77-345 0-3550	30	50	CP-QPSK	L	Outer_Full	VL	NT	-25.56	-0.01	PASS
N77-345	30	50	CP-QPSK	L	Outer_Full	VN	NT	-38.67	-0.01	PASS



0-3550										
N77-345 0-3550	30	50	CP-QPSK	L	Outer_Full	VH	NT	-39.16	-0.01	PASS
N77-345 0-3550	30	50	CP-16QAM	L	Outer_Full	VL	NT	-36.70	-0.01	PASS
N77-345 0-3550	30	50	CP-16QAM	L	Outer_Full	VN	NT	-23.93	-0.01	PASS
N77-345 0-3550	30	50	CP-16QAM	L	Outer_Full	VH	NT	-32.58	-0.01	PASS
N77-345 0-3550	30	50	CP-QPSK	M	Outer_Full	VL	NT	-36.11	-0.01	PASS
N77-345 0-3550	30	50	CP-QPSK	M	Outer_Full	VN	NT	-31.24	-0.01	PASS
N77-345 0-3550	30	50	CP-QPSK	M	Outer_Full	VH	NT	-31.13	-0.01	PASS
N77-345 0-3550	30	50	CP-16QAM	M	Outer_Full	VL	NT	-33.60	-0.01	PASS
N77-345 0-3550	30	50	CP-16QAM	M	Outer_Full	VN	NT	-36.01	-0.01	PASS
N77-345 0-3550	30	50	CP-16QAM	M	Outer_Full	VH	NT	-19.59	-0.01	PASS
N77-345 0-3550	30	50	CP-QPSK	H	Outer_Full	VL	NT	-23.71	-0.01	PASS
N77-345 0-3550	30	50	CP-QPSK	H	Outer_Full	VN	NT	-30.24	-0.01	PASS
N77-345 0-3550	30	50	CP-QPSK	H	Outer_Full	VH	NT	-33.00	-0.01	PASS
N77-345 0-3550	30	50	CP-16QAM	H	Outer_Full	VL	NT	-15.99	0.00	PASS
N77-345 0-3550	30	50	CP-16QAM	H	Outer_Full	VN	NT	-20.96	-0.01	PASS
N77-345 0-3550	30	50	CP-16QAM	H	Outer_Full	VH	NT	-24.83	-0.01	PASS
N77-345 0-3550	30	60	CP-QPSK	L	Outer_Full	VL	NT	-26.07	-0.01	PASS
N77-345 0-3550	30	60	CP-QPSK	L	Outer_Full	VN	NT	-30.53	-0.01	PASS
N77-345 0-3550	30	60	CP-QPSK	L	Outer_Full	VH	NT	-14.68	0.00	PASS
N77-345 0-3550	30	60	CP-16QAM	L	Outer_Full	VL	NT	-22.63	-0.01	PASS
N77-345	30	60	CP-16QAM	L	Outer_Full	VN	NT	-5.54	0.00	PASS

0-3550										
N77-345 0-3550	30	60	CP-16QAM	L	Outer_Full	VH	NT	-32.95	-0.01	PASS
N77-345 0-3550	30	60	CP-QPSK	M	Outer_Full	VL	NT	-23.59	-0.01	PASS
N77-345 0-3550	30	60	CP-QPSK	M	Outer_Full	VN	NT	-28.99	-0.01	PASS
N77-345 0-3550	30	60	CP-QPSK	M	Outer_Full	VH	NT	-33.07	-0.01	PASS
N77-345 0-3550	30	60	CP-16QAM	M	Outer_Full	VL	NT	-22.17	-0.01	PASS
N77-345 0-3550	30	60	CP-16QAM	M	Outer_Full	VN	NT	-27.46	-0.01	PASS
N77-345 0-3550	30	60	CP-16QAM	M	Outer_Full	VH	NT	-36.67	-0.01	PASS
N77-345 0-3550	30	60	CP-QPSK	H	Outer_Full	VL	NT	-3.48	0.00	PASS
N77-345 0-3550	30	60	CP-QPSK	H	Outer_Full	VN	NT	-9.57	0.00	PASS
N77-345 0-3550	30	60	CP-QPSK	H	Outer_Full	VH	NT	-26.62	-0.01	PASS
N77-345 0-3550	30	60	CP-16QAM	H	Outer_Full	VL	NT	-30.92	-0.01	PASS
N77-345 0-3550	30	60	CP-16QAM	H	Outer_Full	VN	NT	-15.35	0.00	PASS
N77-345 0-3550	30	60	CP-16QAM	H	Outer_Full	VH	NT	-19.72	-0.01	PASS
N77-345 0-3550	30	80	CP-QPSK	L	Outer_Full	VL	NT	-12.95	0.00	PASS
N77-345 0-3550	30	80	CP-QPSK	L	Outer_Full	VN	NT	-9.22	0.00	PASS
N77-345 0-3550	30	80	CP-QPSK	L	Outer_Full	VH	NT	-24.49	-0.01	PASS
N77-345 0-3550	30	80	CP-16QAM	L	Outer_Full	VL	NT	-11.33	0.00	PASS
N77-345 0-3550	30	80	CP-16QAM	L	Outer_Full	VN	NT	-10.20	0.00	PASS
N77-345 0-3550	30	80	CP-16QAM	L	Outer_Full	VH	NT	-25.21	-0.01	PASS
N77-345 0-3550	30	80	CP-QPSK	M	Outer_Full	VL	NT	-43.41	-0.01	PASS
N77-345	30	80	CP-QPSK	M	Outer_Full	VN	NT	-37.15	-0.01	PASS

0-3550										
N77-345 0-3550	30	80	CP-QPSK	M	Outer_Full	VH	NT	-38.56	-0.01	PASS
N77-345 0-3550	30	80	CP-16QAM	M	Outer_Full	VL	NT	-38.36	-0.01	PASS
N77-345 0-3550	30	80	CP-16QAM	M	Outer_Full	VN	NT	-24.79	-0.01	PASS
N77-345 0-3550	30	80	CP-16QAM	M	Outer_Full	VH	NT	-31.67	-0.01	PASS
N77-345 0-3550	30	80	CP-QPSK	H	Outer_Full	VL	NT	-3.84	0.00	PASS
N77-345 0-3550	30	80	CP-QPSK	H	Outer_Full	VN	NT	-9.15	0.00	PASS
N77-345 0-3550	30	80	CP-QPSK	H	Outer_Full	VH	NT	-18.39	-0.01	PASS
N77-345 0-3550	30	80	CP-16QAM	H	Outer_Full	VL	NT	-25.98	-0.01	PASS
N77-345 0-3550	30	80	CP-16QAM	H	Outer_Full	VN	NT	-40.57	-0.01	PASS
N77-345 0-3550	30	80	CP-16QAM	H	Outer_Full	VH	NT	-25.94	-0.01	PASS
N77-345 0-3550	30	90	CP-QPSK	L	Outer_Full	VL	NT	-17.17	0.00	PASS
N77-345 0-3550	30	90	CP-QPSK	L	Outer_Full	VN	NT	-16.33	0.00	PASS
N77-345 0-3550	30	90	CP-QPSK	L	Outer_Full	VH	NT	-3.16	0.00	PASS
N77-345 0-3550	30	90	CP-16QAM	L	Outer_Full	VL	NT	-18.07	-0.01	PASS
N77-345 0-3550	30	90	CP-16QAM	L	Outer_Full	VN	NT	-18.91	-0.01	PASS
N77-345 0-3550	30	90	CP-16QAM	L	Outer_Full	VH	NT	-17.70	-0.01	PASS
N77-345 0-3550	30	90	CP-QPSK	M	Outer_Full	VL	NT	-43.82	-0.01	PASS
N77-345 0-3550	30	90	CP-QPSK	M	Outer_Full	VN	NT	-35.54	-0.01	PASS
N77-345 0-3550	30	90	CP-QPSK	M	Outer_Full	VH	NT	-31.04	-0.01	PASS
N77-345 0-3550	30	90	CP-16QAM	M	Outer_Full	VL	NT	-30.51	-0.01	PASS
N77-345	30	90	CP-16QAM	M	Outer_Full	VN	NT	-40.71	-0.01	PASS

0-3550										
N77-345 0-3550	30	90	CP-16QAM	M	Outer_Full	VH	NT	-17.72	-0.01	PASS
N77-345 0-3550	30	90	CP-QPSK	H	Outer_Full	VL	NT	-15.88	0.00	PASS
N77-345 0-3550	30	90	CP-QPSK	H	Outer_Full	VN	NT	-28.03	-0.01	PASS
N77-345 0-3550	30	90	CP-QPSK	H	Outer_Full	VH	NT	-12.08	0.00	PASS
N77-345 0-3550	30	90	CP-16QAM	H	Outer_Full	VL	NT	-26.46	-0.01	PASS
N77-345 0-3550	30	90	CP-16QAM	H	Outer_Full	VN	NT	-24.31	-0.01	PASS
N77-345 0-3550	30	90	CP-16QAM	H	Outer_Full	VH	NT	-27.19	-0.01	PASS
N77-345 0-3550	30	100	CP-QPSK	L	Outer_Full	VL	NT	-29.30	-0.01	PASS
N77-345 0-3550	30	100	CP-QPSK	L	Outer_Full	VN	NT	-19.04	-0.01	PASS
N77-345 0-3550	30	100	CP-QPSK	L	Outer_Full	VH	NT	-27.10	-0.01	PASS
N77-345 0-3550	30	100	CP-16QAM	L	Outer_Full	VL	NT	-31.90	-0.01	PASS
N77-345 0-3550	30	100	CP-16QAM	L	Outer_Full	VN	NT	-18.43	-0.01	PASS
N77-345 0-3550	30	100	CP-16QAM	L	Outer_Full	VH	NT	-36.82	-0.01	PASS
N77-345 0-3550	30	100	CP-QPSK	M	Outer_Full	VL	NT	-16.76	0.00	PASS
N77-345 0-3550	30	100	CP-QPSK	M	Outer_Full	VN	NT	-36.33	-0.01	PASS
N77-345 0-3550	30	100	CP-QPSK	M	Outer_Full	VH	NT	-23.13	-0.01	PASS
N77-345 0-3550	30	100	CP-16QAM	M	Outer_Full	VL	NT	-33.30	-0.01	PASS
N77-345 0-3550	30	100	CP-16QAM	M	Outer_Full	VN	NT	-29.11	-0.01	PASS
N77-345 0-3550	30	100	CP-16QAM	M	Outer_Full	VH	NT	-25.58	-0.01	PASS
N77-345 0-3550	30	100	CP-QPSK	H	Outer_Full	VL	NT	-21.67	-0.01	PASS
N77-345	30	100	CP-QPSK	H	Outer_Full	VN	NT	-15.74	0.00	PASS

0-3550										
N77-345 0-3550	30	100	CP-QPSK	H	Outer_Full	VH	NT	-1.48	0.00	PASS
N77-345 0-3550	30	100	CP-16QAM	H	Outer_Full	VL	NT	-29.87	-0.01	PASS
N77-345 0-3550	30	100	CP-16QAM	H	Outer_Full	VN	NT	-17.44	0.00	PASS
N77-345 0-3550	30	100	CP-16QAM	H	Outer_Full	VH	NT	-28.63	-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	-5.895853	-0.001704	PASS
N77-345 0-3550	30	20	CP-QPSK	L	Outer_Full	NV	-20	-19.133923	-0.005530	PASS
N77-345 0-3550	30	20	CP-QPSK	L	Outer_Full	NV	-10	-31.933208	-0.009229	PASS
N77-345 0-3550	30	20	CP-QPSK	L	Outer_Full	NV	0	-21.316839	-0.006161	PASS
N77-345 0-3550	30	20	CP-QPSK	L	Outer_Full	NV	10	-31.737795	-0.009173	PASS
N77-345 0-3550	30	20	CP-QPSK	L	Outer_Full	NV	20	-22.573620	-0.006524	PASS
N77-345 0-3550	30	20	CP-QPSK	L	Outer_Full	NV	30	-26.480801	-0.007653	PASS
N77-345 0-3550	30	20	CP-QPSK	L	Outer_Full	NV	40	-11.372426	-0.003287	PASS
N77-345 0-3550	30	20	CP-QPSK	L	Outer_Full	NV	50	-21.109873	-0.006101	PASS
N77-345 0-3550	30	20	CP-16QAM	L	Outer_Full	NV	-30	-22.032763	-0.006368	PASS
N77-345 0-3550	30	20	CP-16QAM	L	Outer_Full	NV	-20	-26.016804	-0.007519	PASS
N77-345 0-3550	30	20	CP-16QAM	L	Outer_Full	NV	-10	-10.836263	-0.003132	PASS
N77-345 0-3550	30	20	CP-16QAM	L	Outer_Full	NV	0	-14.320224	-0.004139	PASS
N77-345	30	20	CP-16QAM	L	Outer_Full	NV	10	-21.495546	-0.006213	PASS

0-3550										
N77-345 0-3550	30	20	CP-16QAM	L	Outer_Full	NV	20	-24.225637	-0.007002	PASS
N77-345 0-3550	30	20	CP-16QAM	L	Outer_Full	NV	30	-6.600320	-0.001908	PASS
N77-345 0-3550	30	20	CP-16QAM	L	Outer_Full	NV	40	-31.159597	-0.009006	PASS
N77-345 0-3550	30	20	CP-16QAM	L	Outer_Full	NV	50	-33.045811	-0.009551	PASS
N77-345 0-3550	30	20	CP-QPSK	M	Outer_Full	NV	-30	-39.070518	-0.011163	PASS
N77-345 0-3550	30	20	CP-QPSK	M	Outer_Full	NV	-20	-27.836895	-0.007953	PASS
N77-345 0-3550	30	20	CP-QPSK	M	Outer_Full	NV	-10	-33.240826	-0.009497	PASS
N77-345 0-3550	30	20	CP-QPSK	M	Outer_Full	NV	0	-33.231792	-0.009495	PASS
N77-345 0-3550	30	20	CP-QPSK	M	Outer_Full	NV	10	-35.850883	-0.010243	PASS
N77-345 0-3550	30	20	CP-QPSK	M	Outer_Full	NV	20	-32.668190	-0.009334	PASS
N77-345 0-3550	30	20	CP-QPSK	M	Outer_Full	NV	30	-27.780931	-0.007937	PASS
N77-345 0-3550	30	20	CP-QPSK	M	Outer_Full	NV	40	-43.733429	-0.012495	PASS
N77-345 0-3550	30	20	CP-QPSK	M	Outer_Full	NV	50	-35.573315	-0.010164	PASS
N77-345 0-3550	30	20	CP-16QAM	M	Outer_Full	NV	-30	-40.984432	-0.011710	PASS
N77-345 0-3550	30	20	CP-16QAM	M	Outer_Full	NV	-20	-48.872608	-0.013964	PASS
N77-345 0-3550	30	20	CP-16QAM	M	Outer_Full	NV	-10	-42.178967	-0.012051	PASS
N77-345 0-3550	30	20	CP-16QAM	M	Outer_Full	NV	0	-27.483841	-0.007853	PASS
N77-345 0-3550	30	20	CP-16QAM	M	Outer_Full	NV	10	-37.768555	-0.010791	PASS
N77-345 0-3550	30	20	CP-16QAM	M	Outer_Full	NV	20	-21.406181	-0.006116	PASS
N77-345 0-3550	30	20	CP-16QAM	M	Outer_Full	NV	30	-32.148201	-0.009185	PASS
N77-345	30	20	CP-16QAM	M	Outer_Full	NV	40	-19.924612	-0.005693	PASS

0-3550										
N77-345 0-3550	30	20	CP-16QAM	M	Outer_Full	NV	50	-28.264437	-0.008076	PASS
N77-345 0-3550	30	20	CP-QPSK	H	Outer_Full	NV	-30	-17.300121	-0.004887	PASS
N77-345 0-3550	30	20	CP-QPSK	H	Outer_Full	NV	-20	-24.034325	-0.006789	PASS
N77-345 0-3550	30	20	CP-QPSK	H	Outer_Full	NV	-10	-24.614903	-0.006953	PASS
N77-345 0-3550	30	20	CP-QPSK	H	Outer_Full	NV	0	-39.010323	-0.011020	PASS
N77-345 0-3550	30	20	CP-QPSK	H	Outer_Full	NV	10	-30.461264	-0.008605	PASS
N77-345 0-3550	30	20	CP-QPSK	H	Outer_Full	NV	20	-39.528305	-0.011166	PASS
N77-345 0-3550	30	20	CP-QPSK	H	Outer_Full	NV	30	-25.358007	-0.007163	PASS
N77-345 0-3550	30	20	CP-QPSK	H	Outer_Full	NV	40	-33.129105	-0.009359	PASS
N77-345 0-3550	30	20	CP-QPSK	H	Outer_Full	NV	50	-17.614174	-0.004976	PASS
N77-345 0-3550	30	20	CP-16QAM	H	Outer_Full	NV	-30	-43.730652	-0.012353	PASS
N77-345 0-3550	30	20	CP-16QAM	H	Outer_Full	NV	-20	-28.105263	-0.007939	PASS
N77-345 0-3550	30	20	CP-16QAM	H	Outer_Full	NV	-10	-27.185696	-0.007680	PASS
N77-345 0-3550	30	20	CP-16QAM	H	Outer_Full	NV	0	-45.763706	-0.012928	PASS
N77-345 0-3550	30	20	CP-16QAM	H	Outer_Full	NV	10	-25.928534	-0.007324	PASS
N77-345 0-3550	30	20	CP-16QAM	H	Outer_Full	NV	20	-25.286993	-0.007143	PASS
N77-345 0-3550	30	20	CP-16QAM	H	Outer_Full	NV	30	-23.130995	-0.006534	PASS
N77-345 0-3550	30	20	CP-16QAM	H	Outer_Full	NV	40	-23.163177	-0.006543	PASS
N77-345 0-3550	30	20	CP-16QAM	H	Outer_Full	NV	50	-20.557657	-0.005807	PASS
N77-345 0-3550	30	40	CP-QPSK	L	Outer_Full	NV	-30	-22.071953	-0.006361	PASS
N77-345	30	40	CP-QPSK	L	Outer_Full	NV	-20	-25.975145	-0.007486	PASS

0-3550										
N77-345 0-3550	30	40	CP-QPSK	L	Outer_Full	NV	-10	-40.203518	-0.011586	PASS
N77-345 0-3550	30	40	CP-QPSK	L	Outer_Full	NV	0	-26.224844	-0.007558	PASS
N77-345 0-3550	30	40	CP-QPSK	L	Outer_Full	NV	10	-29.546656	-0.008515	PASS
N77-345 0-3550	30	40	CP-QPSK	L	Outer_Full	NV	20	-31.020252	-0.008940	PASS
N77-345 0-3550	30	40	CP-QPSK	L	Outer_Full	NV	30	-24.662464	-0.007107	PASS
N77-345 0-3550	30	40	CP-QPSK	L	Outer_Full	NV	40	-39.452023	-0.011369	PASS
N77-345 0-3550	30	40	CP-QPSK	L	Outer_Full	NV	50	-28.153536	-0.008113	PASS
N77-345 0-3550	30	40	CP-16QAM	L	Outer_Full	NV	-30	-20.889214	-0.006020	PASS
N77-345 0-3550	30	40	CP-16QAM	L	Outer_Full	NV	-20	-45.466396	-0.013103	PASS
N77-345 0-3550	30	40	CP-16QAM	L	Outer_Full	NV	-10	-24.796249	-0.007146	PASS
N77-345 0-3550	30	40	CP-16QAM	L	Outer_Full	NV	0	-23.521755	-0.006779	PASS
N77-345 0-3550	30	40	CP-16QAM	L	Outer_Full	NV	10	-24.231682	-0.006983	PASS
N77-345 0-3550	30	40	CP-16QAM	L	Outer_Full	NV	20	-42.909161	-0.012366	PASS
N77-345 0-3550	30	40	CP-16QAM	L	Outer_Full	NV	30	-19.464748	-0.005609	PASS
N77-345 0-3550	30	40	CP-16QAM	L	Outer_Full	NV	40	-35.359837	-0.010190	PASS
N77-345 0-3550	30	40	CP-16QAM	L	Outer_Full	NV	50	-50.992119	-0.014695	PASS
N77-345 0-3550	30	40	CP-QPSK	M	Outer_Full	NV	-30	-32.633873	-0.009324	PASS
N77-345 0-3550	30	40	CP-QPSK	M	Outer_Full	NV	-20	-25.840385	-0.007383	PASS
N77-345 0-3550	30	40	CP-QPSK	M	Outer_Full	NV	-10	-35.280212	-0.010080	PASS
N77-345 0-3550	30	40	CP-QPSK	M	Outer_Full	NV	0	-37.267181	-0.010648	PASS
N77-345	30	40	CP-QPSK	M	Outer_Full	NV	10	-30.325617	-0.008664	PASS



0-3550										
N77-345 0-3550	30	40	CP-QPSK	M	Outer_Full	NV	20	-20.779596	-0.005937	PASS
N77-345 0-3550	30	40	CP-QPSK	M	Outer_Full	NV	30	-53.572800	-0.015306	PASS
N77-345 0-3550	30	40	CP-QPSK	M	Outer_Full	NV	40	-39.191513	-0.011198	PASS
N77-345 0-3550	30	40	CP-QPSK	M	Outer_Full	NV	50	-43.329086	-0.012380	PASS
N77-345 0-3550	30	40	CP-16QAM	M	Outer_Full	NV	-30	-49.991455	-0.014283	PASS
N77-345 0-3550	30	40	CP-16QAM	M	Outer_Full	NV	-20	-23.198296	-0.006628	PASS
N77-345 0-3550	30	40	CP-16QAM	M	Outer_Full	NV	-10	-39.892323	-0.011398	PASS
N77-345 0-3550	30	40	CP-16QAM	M	Outer_Full	NV	0	-33.745796	-0.009642	PASS
N77-345 0-3550	30	40	CP-16QAM	M	Outer_Full	NV	10	-25.854980	-0.007387	PASS
N77-345 0-3550	30	40	CP-16QAM	M	Outer_Full	NV	20	-17.037869	-0.004868	PASS
N77-345 0-3550	30	40	CP-16QAM	M	Outer_Full	NV	30	-30.033661	-0.008581	PASS
N77-345 0-3550	30	40	CP-16QAM	M	Outer_Full	NV	40	-19.834538	-0.005667	PASS
N77-345 0-3550	30	40	CP-16QAM	M	Outer_Full	NV	50	-34.503910	-0.009858	PASS
N77-345 0-3550	30	40	CP-QPSK	H	Outer_Full	NV	-30	-27.290857	-0.007731	PASS
N77-345 0-3550	30	40	CP-QPSK	H	Outer_Full	NV	-20	-29.629416	-0.008394	PASS
N77-345 0-3550	30	40	CP-QPSK	H	Outer_Full	NV	-10	-33.754631	-0.009562	PASS
N77-345 0-3550	30	40	CP-QPSK	H	Outer_Full	NV	0	-35.045410	-0.009928	PASS
N77-345 0-3550	30	40	CP-QPSK	H	Outer_Full	NV	10	-32.541851	-0.009219	PASS
N77-345 0-3550	30	40	CP-QPSK	H	Outer_Full	NV	20	-29.195337	-0.008271	PASS
N77-345 0-3550	30	40	CP-QPSK	H	Outer_Full	NV	30	-37.680752	-0.010674	PASS
N77-345	30	40	CP-QPSK	H	Outer_Full	NV	40	-26.376978	-0.007472	PASS

0-3550										
N77-345 0-3550	30	40	CP-QPSK	H	Outer_Full	NV	50	-27.945232	-0.007916	PASS
N77-345 0-3550	30	40	CP-16QAM	H	Outer_Full	NV	-30	-39.071575	-0.011068	PASS
N77-345 0-3550	30	40	CP-16QAM	H	Outer_Full	NV	-20	-38.194962	-0.010820	PASS
N77-345 0-3550	30	40	CP-16QAM	H	Outer_Full	NV	-10	-36.434521	-0.010321	PASS
N77-345 0-3550	30	40	CP-16QAM	H	Outer_Full	NV	0	-28.766773	-0.008149	PASS
N77-345 0-3550	30	40	CP-16QAM	H	Outer_Full	NV	10	-25.164503	-0.007129	PASS
N77-345 0-3550	30	40	CP-16QAM	H	Outer_Full	NV	20	-17.426912	-0.004937	PASS
N77-345 0-3550	30	40	CP-16QAM	H	Outer_Full	NV	30	-13.900116	-0.003938	PASS
N77-345 0-3550	30	40	CP-16QAM	H	Outer_Full	NV	40	-24.939697	-0.007065	PASS
N77-345 0-3550	30	40	CP-16QAM	H	Outer_Full	NV	50	-16.626093	-0.004710	PASS
N77-345 0-3550	30	50	CP-QPSK	L	Outer_Full	NV	-30	-33.114918	-0.009530	PASS
N77-345 0-3550	30	50	CP-QPSK	L	Outer_Full	NV	-20	-35.371929	-0.010179	PASS
N77-345 0-3550	30	50	CP-QPSK	L	Outer_Full	NV	-10	-28.838539	-0.008299	PASS
N77-345 0-3550	30	50	CP-QPSK	L	Outer_Full	NV	0	-39.863552	-0.011472	PASS
N77-345 0-3550	30	50	CP-QPSK	L	Outer_Full	NV	10	-41.352749	-0.011900	PASS
N77-345 0-3550	30	50	CP-QPSK	L	Outer_Full	NV	20	-39.412899	-0.011342	PASS
N77-345 0-3550	30	50	CP-QPSK	L	Outer_Full	NV	30	-34.202164	-0.009842	PASS
N77-345 0-3550	30	50	CP-QPSK	L	Outer_Full	NV	40	-49.478691	-0.014239	PASS
N77-345 0-3550	30	50	CP-QPSK	L	Outer_Full	NV	50	-38.018776	-0.010941	PASS
N77-345 0-3550	30	50	CP-16QAM	L	Outer_Full	NV	-30	-38.459358	-0.011067	PASS
N77-345	30	50	CP-16QAM	L	Outer_Full	NV	-20	-44.431129	-0.012786	PASS

0-3550										
N77-345 0-3550	30	50	CP-16QAM	L	Outer_Full	NV	-10	-46.928833	-0.013505	PASS
N77-345 0-3550	30	50	CP-16QAM	L	Outer_Full	NV	0	-26.837133	-0.007723	PASS
N77-345 0-3550	30	50	CP-16QAM	L	Outer_Full	NV	10	-29.225594	-0.008410	PASS
N77-345 0-3550	30	50	CP-16QAM	L	Outer_Full	NV	20	-28.043726	-0.008070	PASS
N77-345 0-3550	30	50	CP-16QAM	L	Outer_Full	NV	30	-49.219013	-0.014164	PASS
N77-345 0-3550	30	50	CP-16QAM	L	Outer_Full	NV	40	-27.063177	-0.007788	PASS
N77-345 0-3550	30	50	CP-16QAM	L	Outer_Full	NV	50	-26.328642	-0.007577	PASS
N77-345 0-3550	30	50	CP-QPSK	M	Outer_Full	NV	-30	-30.484556	-0.008710	PASS
N77-345 0-3550	30	50	CP-QPSK	M	Outer_Full	NV	-20	-54.553860	-0.015587	PASS
N77-345 0-3550	30	50	CP-QPSK	M	Outer_Full	NV	-10	-27.351711	-0.007815	PASS
N77-345 0-3550	30	50	CP-QPSK	M	Outer_Full	NV	0	-36.616718	-0.010462	PASS
N77-345 0-3550	30	50	CP-QPSK	M	Outer_Full	NV	10	-16.851631	-0.004815	PASS
N77-345 0-3550	30	50	CP-QPSK	M	Outer_Full	NV	20	-17.701880	-0.005058	PASS
N77-345 0-3550	30	50	CP-QPSK	M	Outer_Full	NV	30	-30.381712	-0.008680	PASS
N77-345 0-3550	30	50	CP-QPSK	M	Outer_Full	NV	40	-46.067627	-0.013162	PASS
N77-345 0-3550	30	50	CP-QPSK	M	Outer_Full	NV	50	-35.437439	-0.010125	PASS
N77-345 0-3550	30	50	CP-16QAM	M	Outer_Full	NV	-30	-23.336695	-0.006668	PASS
N77-345 0-3550	30	50	CP-16QAM	M	Outer_Full	NV	-20	-25.715210	-0.007347	PASS
N77-345 0-3550	30	50	CP-16QAM	M	Outer_Full	NV	-10	-28.149218	-0.008043	PASS
N77-345 0-3550	30	50	CP-16QAM	M	Outer_Full	NV	0	-48.272644	-0.013792	PASS
N77-345	30	50	CP-16QAM	M	Outer_Full	NV	10	-24.165945	-0.006905	PASS

0-3550										
N77-345 0-3550	30	50	CP-16QAM	M	Outer_Full	NV	20	-40.117729	-0.011462	PASS
N77-345 0-3550	30	50	CP-16QAM	M	Outer_Full	NV	30	-17.063896	-0.004875	PASS
N77-345 0-3550	30	50	CP-16QAM	M	Outer_Full	NV	40	-30.943493	-0.008841	PASS
N77-345 0-3550	30	50	CP-16QAM	M	Outer_Full	NV	50	-25.335730	-0.007239	PASS
N77-345 0-3550	30	50	CP-QPSK	H	Outer_Full	NV	-30	-34.845428	-0.009885	PASS
N77-345 0-3550	30	50	CP-QPSK	H	Outer_Full	NV	-20	-21.538023	-0.006110	PASS
N77-345 0-3550	30	50	CP-QPSK	H	Outer_Full	NV	-10	-38.575188	-0.010943	PASS
N77-345 0-3550	30	50	CP-QPSK	H	Outer_Full	NV	0	-23.607935	-0.006697	PASS
N77-345 0-3550	30	50	CP-QPSK	H	Outer_Full	NV	10	-28.984526	-0.008223	PASS
N77-345 0-3550	30	50	CP-QPSK	H	Outer_Full	NV	20	-26.383480	-0.007485	PASS
N77-345 0-3550	30	50	CP-QPSK	H	Outer_Full	NV	30	-18.916456	-0.005366	PASS
N77-345 0-3550	30	50	CP-QPSK	H	Outer_Full	NV	40	-32.925461	-0.009341	PASS
N77-345 0-3550	30	50	CP-QPSK	H	Outer_Full	NV	50	-38.510845	-0.010925	PASS
N77-345 0-3550	30	50	CP-16QAM	H	Outer_Full	NV	-30	-26.851896	-0.007618	PASS
N77-345 0-3550	30	50	CP-16QAM	H	Outer_Full	NV	-20	-24.306326	-0.006895	PASS
N77-345 0-3550	30	50	CP-16QAM	H	Outer_Full	NV	-10	-24.810120	-0.007038	PASS
N77-345 0-3550	30	50	CP-16QAM	H	Outer_Full	NV	0	-23.205503	-0.006583	PASS
N77-345 0-3550	30	50	CP-16QAM	H	Outer_Full	NV	10	-41.345047	-0.011729	PASS
N77-345 0-3550	30	50	CP-16QAM	H	Outer_Full	NV	20	-37.390728	-0.010607	PASS
N77-345 0-3550	30	50	CP-16QAM	H	Outer_Full	NV	30	-31.532627	-0.008945	PASS
N77-345	30	50	CP-16QAM	H	Outer_Full	NV	40	-25.289995	-0.007174	PASS

0-3550										
N77-345 0-3550	30	50	CP-16QAM	H	Outer_Full	NV	50	-37.801682	-0.010724	PASS
N77-345 0-3550	30	60	CP-QPSK	L	Outer_Full	NV	-30	-39.847092	-0.011450	PASS
N77-345 0-3550	30	60	CP-QPSK	L	Outer_Full	NV	-20	-27.472963	-0.007895	PASS
N77-345 0-3550	30	60	CP-QPSK	L	Outer_Full	NV	-10	-21.767656	-0.006255	PASS
N77-345 0-3550	30	60	CP-QPSK	L	Outer_Full	NV	0	-34.756607	-0.009988	PASS
N77-345 0-3550	30	60	CP-QPSK	L	Outer_Full	NV	10	-18.947870	-0.005445	PASS
N77-345 0-3550	30	60	CP-QPSK	L	Outer_Full	NV	20	-40.957882	-0.011770	PASS
N77-345 0-3550	30	60	CP-QPSK	L	Outer_Full	NV	30	-37.181046	-0.010684	PASS
N77-345 0-3550	30	60	CP-QPSK	L	Outer_Full	NV	40	-28.809916	-0.008279	PASS
N77-345 0-3550	30	60	CP-QPSK	L	Outer_Full	NV	50	-23.198305	-0.006666	PASS
N77-345 0-3550	30	60	CP-16QAM	L	Outer_Full	NV	-30	-18.821581	-0.005409	PASS
N77-345 0-3550	30	60	CP-16QAM	L	Outer_Full	NV	-20	-21.627645	-0.006215	PASS
N77-345 0-3550	30	60	CP-16QAM	L	Outer_Full	NV	-10	-23.224087	-0.006674	PASS
N77-345 0-3550	30	60	CP-16QAM	L	Outer_Full	NV	0	-23.856478	-0.006855	PASS
N77-345 0-3550	30	60	CP-16QAM	L	Outer_Full	NV	10	-44.792648	-0.012871	PASS
N77-345 0-3550	30	60	CP-16QAM	L	Outer_Full	NV	20	-23.310085	-0.006698	PASS
N77-345 0-3550	30	60	CP-16QAM	L	Outer_Full	NV	30	-21.752752	-0.006251	PASS
N77-345 0-3550	30	60	CP-16QAM	L	Outer_Full	NV	40	-19.479572	-0.005598	PASS
N77-345 0-3550	30	60	CP-16QAM	L	Outer_Full	NV	50	-11.761452	-0.003380	PASS
N77-345 0-3550	30	60	CP-QPSK	M	Outer_Full	NV	-30	-31.462275	-0.008989	PASS
N77-345	30	60	CP-QPSK	M	Outer_Full	NV	-20	-18.246765	-0.005213	PASS

0-3550										
N77-345 0-3550	30	60	CP-QPSK	M	Outer_Full	NV	-10	-14.894789	-0.004256	PASS
N77-345 0-3550	30	60	CP-QPSK	M	Outer_Full	NV	0	-5.732059	-0.001638	PASS
N77-345 0-3550	30	60	CP-QPSK	M	Outer_Full	NV	10	-31.453436	-0.008987	PASS
N77-345 0-3550	30	60	CP-QPSK	M	Outer_Full	NV	20	-33.325199	-0.009521	PASS
N77-345 0-3550	30	60	CP-QPSK	M	Outer_Full	NV	30	-8.316583	-0.002376	PASS
N77-345 0-3550	30	60	CP-QPSK	M	Outer_Full	NV	40	-23.993673	-0.006855	PASS
N77-345 0-3550	30	60	CP-QPSK	M	Outer_Full	NV	50	-21.701647	-0.006200	PASS
N77-345 0-3550	30	60	CP-16QAM	M	Outer_Full	NV	-30	-23.517172	-0.006719	PASS
N77-345 0-3550	30	60	CP-16QAM	M	Outer_Full	NV	-20	-30.875624	-0.008822	PASS
N77-345 0-3550	30	60	CP-16QAM	M	Outer_Full	NV	-10	-16.308128	-0.004659	PASS
N77-345 0-3550	30	60	CP-16QAM	M	Outer_Full	NV	0	-16.316757	-0.004662	PASS
N77-345 0-3550	30	60	CP-16QAM	M	Outer_Full	NV	10	-42.814388	-0.012233	PASS
N77-345 0-3550	30	60	CP-16QAM	M	Outer_Full	NV	20	-21.747145	-0.006213	PASS
N77-345 0-3550	30	60	CP-16QAM	M	Outer_Full	NV	30	-24.262049	-0.006932	PASS
N77-345 0-3550	30	60	CP-16QAM	M	Outer_Full	NV	40	-25.948980	-0.007414	PASS
N77-345 0-3550	30	60	CP-16QAM	M	Outer_Full	NV	50	-24.033365	-0.006867	PASS
N77-345 0-3550	30	60	CP-QPSK	H	Outer_Full	NV	-30	-15.977114	-0.004539	PASS
N77-345 0-3550	30	60	CP-QPSK	H	Outer_Full	NV	-20	-19.961205	-0.005671	PASS
N77-345 0-3550	30	60	CP-QPSK	H	Outer_Full	NV	-10	-34.148163	-0.009701	PASS
N77-345 0-3550	30	60	CP-QPSK	H	Outer_Full	NV	0	-15.891739	-0.004515	PASS
N77-345	30	60	CP-QPSK	H	Outer_Full	NV	10	-17.821911	-0.005063	PASS

0-3550										
N77-345 0-3550	30	60	CP-QPSK	H	Outer_Full	NV	20	-15.821116	-0.004495	PASS
N77-345 0-3550	30	60	CP-QPSK	H	Outer_Full	NV	30	-9.247249	-0.002627	PASS
N77-345 0-3550	30	60	CP-QPSK	H	Outer_Full	NV	40	0.357685	0.000102	PASS
N77-345 0-3550	30	60	CP-QPSK	H	Outer_Full	NV	50	-12.447934	-0.003536	PASS
N77-345 0-3550	30	60	CP-16QAM	H	Outer_Full	NV	-30	-22.331162	-0.006344	PASS
N77-345 0-3550	30	60	CP-16QAM	H	Outer_Full	NV	-20	-22.756935	-0.006465	PASS
N77-345 0-3550	30	60	CP-16QAM	H	Outer_Full	NV	-10	-23.782589	-0.006756	PASS
N77-345 0-3550	30	60	CP-16QAM	H	Outer_Full	NV	0	-26.158997	-0.007432	PASS
N77-345 0-3550	30	60	CP-16QAM	H	Outer_Full	NV	10	-23.682621	-0.006728	PASS
N77-345 0-3550	30	60	CP-16QAM	H	Outer_Full	NV	20	-19.781713	-0.005620	PASS
N77-345 0-3550	30	60	CP-16QAM	H	Outer_Full	NV	30	-13.989562	-0.003974	PASS
N77-345 0-3550	30	60	CP-16QAM	H	Outer_Full	NV	40	-10.861577	-0.003086	PASS
N77-345 0-3550	30	60	CP-16QAM	H	Outer_Full	NV	50	-8.672732	-0.002464	PASS
N77-345 0-3550	30	80	CP-QPSK	L	Outer_Full	NV	-30	-28.735474	-0.008234	PASS
N77-345 0-3550	30	80	CP-QPSK	L	Outer_Full	NV	-20	-32.976730	-0.009449	PASS
N77-345 0-3550	30	80	CP-QPSK	L	Outer_Full	NV	-10	-25.166380	-0.007211	PASS
N77-345 0-3550	30	80	CP-QPSK	L	Outer_Full	NV	0	-32.884506	-0.009423	PASS
N77-345 0-3550	30	80	CP-QPSK	L	Outer_Full	NV	10	-29.205614	-0.008368	PASS
N77-345 0-3550	30	80	CP-QPSK	L	Outer_Full	NV	20	-23.802683	-0.006820	PASS
N77-345 0-3550	30	80	CP-QPSK	L	Outer_Full	NV	30	-13.280622	-0.003805	PASS
N77-345	30	80	CP-QPSK	L	Outer_Full	NV	40	-18.302942	-0.005244	PASS

0-3550										
N77-345 0-3550	30	80	CP-QPSK	L	Outer_Full	NV	50	-21.998131	-0.006303	PASS
N77-345 0-3550	30	80	CP-16QAM	L	Outer_Full	NV	-30	-18.806164	-0.005389	PASS
N77-345 0-3550	30	80	CP-16QAM	L	Outer_Full	NV	-20	-7.990167	-0.002289	PASS
N77-345 0-3550	30	80	CP-16QAM	L	Outer_Full	NV	-10	-17.871187	-0.005121	PASS
N77-345 0-3550	30	80	CP-16QAM	L	Outer_Full	NV	0	-3.212216	-0.000920	PASS
N77-345 0-3550	30	80	CP-16QAM	L	Outer_Full	NV	10	-32.665558	-0.009360	PASS
N77-345 0-3550	30	80	CP-16QAM	L	Outer_Full	NV	20	-19.542000	-0.005599	PASS
N77-345 0-3550	30	80	CP-16QAM	L	Outer_Full	NV	30	-22.602186	-0.006476	PASS
N77-345 0-3550	30	80	CP-16QAM	L	Outer_Full	NV	40	-5.965466	-0.001709	PASS
N77-345 0-3550	30	80	CP-16QAM	L	Outer_Full	NV	50	-27.290058	-0.007820	PASS
N77-345 0-3550	30	80	CP-QPSK	M	Outer_Full	NV	-30	-31.938303	-0.009125	PASS
N77-345 0-3550	30	80	CP-QPSK	M	Outer_Full	NV	-20	-15.102834	-0.004315	PASS
N77-345 0-3550	30	80	CP-QPSK	M	Outer_Full	NV	-10	-28.896975	-0.008256	PASS
N77-345 0-3550	30	80	CP-QPSK	M	Outer_Full	NV	0	-40.904106	-0.011687	PASS
N77-345 0-3550	30	80	CP-QPSK	M	Outer_Full	NV	10	-21.270506	-0.006077	PASS
N77-345 0-3550	30	80	CP-QPSK	M	Outer_Full	NV	20	-46.302773	-0.013229	PASS
N77-345 0-3550	30	80	CP-QPSK	M	Outer_Full	NV	30	-39.787045	-0.011368	PASS
N77-345 0-3550	30	80	CP-QPSK	M	Outer_Full	NV	40	-28.742619	-0.008212	PASS
N77-345 0-3550	30	80	CP-QPSK	M	Outer_Full	NV	50	-18.996174	-0.005427	PASS
N77-345 0-3550	30	80	CP-16QAM	M	Outer_Full	NV	-30	-32.450676	-0.009272	PASS
N77-345	30	80	CP-16QAM	M	Outer_Full	NV	-20	-39.256134	-0.011216	PASS



0-3550										
N77-345 0-3550	30	80	CP-16QAM	M	Outer_Full	NV	-10	-42.976887	-0.012279	PASS
N77-345 0-3550	30	80	CP-16QAM	M	Outer_Full	NV	0	-18.283630	-0.005224	PASS
N77-345 0-3550	30	80	CP-16QAM	M	Outer_Full	NV	10	-19.224054	-0.005493	PASS
N77-345 0-3550	30	80	CP-16QAM	M	Outer_Full	NV	20	-45.893845	-0.013113	PASS
N77-345 0-3550	30	80	CP-16QAM	M	Outer_Full	NV	30	-48.805992	-0.013945	PASS
N77-345 0-3550	30	80	CP-16QAM	M	Outer_Full	NV	40	-43.719582	-0.012491	PASS
N77-345 0-3550	30	80	CP-16QAM	M	Outer_Full	NV	50	-40.950054	-0.011700	PASS
N77-345 0-3550	30	80	CP-QPSK	H	Outer_Full	NV	-30	-21.443918	-0.006109	PASS
N77-345 0-3550	30	80	CP-QPSK	H	Outer_Full	NV	-20	-7.820208	-0.002228	PASS
N77-345 0-3550	30	80	CP-QPSK	H	Outer_Full	NV	-10	-28.996908	-0.008261	PASS
N77-345 0-3550	30	80	CP-QPSK	H	Outer_Full	NV	0	-19.935066	-0.005680	PASS
N77-345 0-3550	30	80	CP-QPSK	H	Outer_Full	NV	10	-26.331053	-0.007502	PASS
N77-345 0-3550	30	80	CP-QPSK	H	Outer_Full	NV	20	-34.262970	-0.009762	PASS
N77-345 0-3550	30	80	CP-QPSK	H	Outer_Full	NV	30	-33.755791	-0.009617	PASS
N77-345 0-3550	30	80	CP-QPSK	H	Outer_Full	NV	40	-30.850414	-0.008789	PASS
N77-345 0-3550	30	80	CP-QPSK	H	Outer_Full	NV	50	-21.593431	-0.006152	PASS
N77-345 0-3550	30	80	CP-16QAM	H	Outer_Full	NV	-30	-13.935499	-0.003970	PASS
N77-345 0-3550	30	80	CP-16QAM	H	Outer_Full	NV	-20	-21.070051	-0.006003	PASS
N77-345 0-3550	30	80	CP-16QAM	H	Outer_Full	NV	-10	-2.860793	-0.000815	PASS
N77-345 0-3550	30	80	CP-16QAM	H	Outer_Full	NV	0	-36.407917	-0.010373	PASS
N77-345	30	80	CP-16QAM	H	Outer_Full	NV	10	-18.232363	-0.005194	PASS

0-3550										
N77-345 0-3550	30	80	CP-16QAM	H	Outer_Full	NV	20	-42.001457	-0.011966	PASS
N77-345 0-3550	30	80	CP-16QAM	H	Outer_Full	NV	30	-23.425482	-0.006674	PASS
N77-345 0-3550	30	80	CP-16QAM	H	Outer_Full	NV	40	-23.166950	-0.006600	PASS
N77-345 0-3550	30	80	CP-16QAM	H	Outer_Full	NV	50	-22.595053	-0.006437	PASS
N77-345 0-3550	30	90	CP-QPSK	L	Outer_Full	NV	-30	-21.649321	-0.006194	PASS
N77-345 0-3550	30	90	CP-QPSK	L	Outer_Full	NV	-20	-16.737659	-0.004789	PASS
N77-345 0-3550	30	90	CP-QPSK	L	Outer_Full	NV	-10	-20.577244	-0.005888	PASS
N77-345 0-3550	30	90	CP-QPSK	L	Outer_Full	NV	0	-8.827482	-0.002526	PASS
N77-345 0-3550	30	90	CP-QPSK	L	Outer_Full	NV	10	-14.639354	-0.004189	PASS
N77-345 0-3550	30	90	CP-QPSK	L	Outer_Full	NV	20	-11.887452	-0.003401	PASS
N77-345 0-3550	30	90	CP-QPSK	L	Outer_Full	NV	30	-6.693049	-0.001915	PASS
N77-345 0-3550	30	90	CP-QPSK	L	Outer_Full	NV	40	-0.723388	-0.000207	PASS
N77-345 0-3550	30	90	CP-QPSK	L	Outer_Full	NV	50	-7.148993	-0.002045	PASS
N77-345 0-3550	30	90	CP-16QAM	L	Outer_Full	NV	-30	-31.536795	-0.009023	PASS
N77-345 0-3550	30	90	CP-16QAM	L	Outer_Full	NV	-20	-22.499973	-0.006438	PASS
N77-345 0-3550	30	90	CP-16QAM	L	Outer_Full	NV	-10	-16.068941	-0.004598	PASS
N77-345 0-3550	30	90	CP-16QAM	L	Outer_Full	NV	0	-28.741032	-0.008223	PASS
N77-345 0-3550	30	90	CP-16QAM	L	Outer_Full	NV	10	-18.825043	-0.005386	PASS
N77-345 0-3550	30	90	CP-16QAM	L	Outer_Full	NV	20	-23.632673	-0.006762	PASS
N77-345 0-3550	30	90	CP-16QAM	L	Outer_Full	NV	30	-14.701417	-0.004206	PASS
N77-345	30	90	CP-16QAM	L	Outer_Full	NV	40	-17.331322	-0.004959	PASS

0-3550										
N77-345 0-3550	30	90	CP-16QAM	L	Outer_Full	NV	50	-23.720951	-0.006787	PASS
N77-345 0-3550	30	90	CP-QPSK	M	Outer_Full	NV	-30	-29.322796	-0.008378	PASS
N77-345 0-3550	30	90	CP-QPSK	M	Outer_Full	NV	-20	-28.279066	-0.008080	PASS
N77-345 0-3550	30	90	CP-QPSK	M	Outer_Full	NV	-10	-21.220255	-0.006063	PASS
N77-345 0-3550	30	90	CP-QPSK	M	Outer_Full	NV	0	-23.528486	-0.006722	PASS
N77-345 0-3550	30	90	CP-QPSK	M	Outer_Full	NV	10	-24.171883	-0.006906	PASS
N77-345 0-3550	30	90	CP-QPSK	M	Outer_Full	NV	20	-20.662735	-0.005904	PASS
N77-345 0-3550	30	90	CP-QPSK	M	Outer_Full	NV	30	-10.423574	-0.002978	PASS
N77-345 0-3550	30	90	CP-QPSK	M	Outer_Full	NV	40	-28.011612	-0.008003	PASS
N77-345 0-3550	30	90	CP-QPSK	M	Outer_Full	NV	50	-12.234706	-0.003496	PASS
N77-345 0-3550	30	90	CP-16QAM	M	Outer_Full	NV	-30	-23.566051	-0.006733	PASS
N77-345 0-3550	30	90	CP-16QAM	M	Outer_Full	NV	-20	-51.301571	-0.014658	PASS
N77-345 0-3550	30	90	CP-16QAM	M	Outer_Full	NV	-10	-22.992731	-0.006569	PASS
N77-345 0-3550	30	90	CP-16QAM	M	Outer_Full	NV	0	-20.184963	-0.005767	PASS
N77-345 0-3550	30	90	CP-16QAM	M	Outer_Full	NV	10	-18.538496	-0.005297	PASS
N77-345 0-3550	30	90	CP-16QAM	M	Outer_Full	NV	20	-42.952698	-0.012272	PASS
N77-345 0-3550	30	90	CP-16QAM	M	Outer_Full	NV	30	-40.487823	-0.011568	PASS
N77-345 0-3550	30	90	CP-16QAM	M	Outer_Full	NV	40	-35.477436	-0.010136	PASS
N77-345 0-3550	30	90	CP-16QAM	M	Outer_Full	NV	50	-29.316843	-0.008376	PASS
N77-345 0-3550	30	90	CP-QPSK	H	Outer_Full	NV	-30	-22.076672	-0.006299	PASS
N77-345	30	90	CP-QPSK	H	Outer_Full	NV	-20	-15.783194	-0.004503	PASS

0-3550										
N77-345 0-3550	30	90	CP-QPSK	H	Outer_Full	NV	-10	-31.602257	-0.009016	PASS
N77-345 0-3550	30	90	CP-QPSK	H	Outer_Full	NV	0	-38.545204	-0.010997	PASS
N77-345 0-3550	30	90	CP-QPSK	H	Outer_Full	NV	10	-20.528942	-0.005857	PASS
N77-345 0-3550	30	90	CP-QPSK	H	Outer_Full	NV	20	-35.139351	-0.010026	PASS
N77-345 0-3550	30	90	CP-QPSK	H	Outer_Full	NV	30	-25.889376	-0.007386	PASS
N77-345 0-3550	30	90	CP-QPSK	H	Outer_Full	NV	40	-29.066467	-0.008293	PASS
N77-345 0-3550	30	90	CP-QPSK	H	Outer_Full	NV	50	-34.033707	-0.009710	PASS
N77-345 0-3550	30	90	CP-16QAM	H	Outer_Full	NV	-30	-19.897951	-0.005677	PASS
N77-345 0-3550	30	90	CP-16QAM	H	Outer_Full	NV	-20	-17.156460	-0.004895	PASS
N77-345 0-3550	30	90	CP-16QAM	H	Outer_Full	NV	-10	-22.787695	-0.006502	PASS
N77-345 0-3550	30	90	CP-16QAM	H	Outer_Full	NV	0	-19.319244	-0.005512	PASS
N77-345 0-3550	30	90	CP-16QAM	H	Outer_Full	NV	10	-27.297863	-0.007788	PASS
N77-345 0-3550	30	90	CP-16QAM	H	Outer_Full	NV	20	-33.203590	-0.009473	PASS
N77-345 0-3550	30	90	CP-16QAM	H	Outer_Full	NV	30	-22.856684	-0.006521	PASS
N77-345 0-3550	30	90	CP-16QAM	H	Outer_Full	NV	40	-30.966251	-0.008835	PASS
N77-345 0-3550	30	90	CP-16QAM	H	Outer_Full	NV	50	-16.123344	-0.004600	PASS
N77-345 0-3550	30	100	CP-QPSK	L	Outer_Full	NV	-30	-24.172979	-0.006907	PASS
N77-345 0-3550	30	100	CP-QPSK	L	Outer_Full	NV	-20	-35.256794	-0.010073	PASS
N77-345 0-3550	30	100	CP-QPSK	L	Outer_Full	NV	-10	-15.344347	-0.004384	PASS
N77-345 0-3550	30	100	CP-QPSK	L	Outer_Full	NV	0	-38.224476	-0.010921	PASS
N77-345	30	100	CP-QPSK	L	Outer_Full	NV	10	-36.173969	-0.010335	PASS

0-3550										
N77-345 0-3550	30	100	CP-QPSK	L	Outer_Full	NV	20	-26.320063	-0.007520	PASS
N77-345 0-3550	30	100	CP-QPSK	L	Outer_Full	NV	30	-31.021666	-0.008863	PASS
N77-345 0-3550	30	100	CP-QPSK	L	Outer_Full	NV	40	-9.159062	-0.002617	PASS
N77-345 0-3550	30	100	CP-QPSK	L	Outer_Full	NV	50	-22.077734	-0.006308	PASS
N77-345 0-3550	30	100	CP-16QAM	L	Outer_Full	NV	-30	-27.325275	-0.007807	PASS
N77-345 0-3550	30	100	CP-16QAM	L	Outer_Full	NV	-20	-22.475719	-0.006422	PASS
N77-345 0-3550	30	100	CP-16QAM	L	Outer_Full	NV	-10	-43.664009	-0.012475	PASS
N77-345 0-3550	30	100	CP-16QAM	L	Outer_Full	NV	0	-36.400387	-0.010400	PASS
N77-345 0-3550	30	100	CP-16QAM	L	Outer_Full	NV	10	-14.229666	-0.004066	PASS
N77-345 0-3550	30	100	CP-16QAM	L	Outer_Full	NV	20	-42.939632	-0.012268	PASS
N77-345 0-3550	30	100	CP-16QAM	L	Outer_Full	NV	30	-19.328419	-0.005522	PASS
N77-345 0-3550	30	100	CP-16QAM	L	Outer_Full	NV	40	-28.757126	-0.008216	PASS
N77-345 0-3550	30	100	CP-16QAM	L	Outer_Full	NV	50	-34.324436	-0.009807	PASS
N77-345 0-3550	30	100	CP-QPSK	M	Outer_Full	NV	-30	-25.864645	-0.007390	PASS
N77-345 0-3550	30	100	CP-QPSK	M	Outer_Full	NV	-20	-28.044506	-0.008013	PASS
N77-345 0-3550	30	100	CP-QPSK	M	Outer_Full	NV	-10	-14.647203	-0.004185	PASS
N77-345 0-3550	30	100	CP-QPSK	M	Outer_Full	NV	0	-37.263264	-0.010647	PASS
N77-345 0-3550	30	100	CP-QPSK	M	Outer_Full	NV	10	-18.747061	-0.005356	PASS
N77-345 0-3550	30	100	CP-QPSK	M	Outer_Full	NV	20	-18.929331	-0.005408	PASS
N77-345 0-3550	30	100	CP-QPSK	M	Outer_Full	NV	30	-15.165051	-0.004333	PASS
N77-345	30	100	CP-QPSK	M	Outer_Full	NV	40	-15.883571	-0.004538	PASS

0-3550										
N77-345 0-3550	30	100	CP-QPSK	M	Outer_Full	NV	50	-32.050709	-0.009157	PASS
N77-345 0-3550	30	100	CP-16QAM	M	Outer_Full	NV	-30	-24.162590	-0.006904	PASS
N77-345 0-3550	30	100	CP-16QAM	M	Outer_Full	NV	-20	-17.619453	-0.005034	PASS
N77-345 0-3550	30	100	CP-16QAM	M	Outer_Full	NV	-10	-28.822845	-0.008235	PASS
N77-345 0-3550	30	100	CP-16QAM	M	Outer_Full	NV	0	-44.079250	-0.012594	PASS
N77-345 0-3550	30	100	CP-16QAM	M	Outer_Full	NV	10	-36.293591	-0.010370	PASS
N77-345 0-3550	30	100	CP-16QAM	M	Outer_Full	NV	20	-30.028292	-0.008579	PASS
N77-345 0-3550	30	100	CP-16QAM	M	Outer_Full	NV	30	-22.304888	-0.006373	PASS
N77-345 0-3550	30	100	CP-16QAM	M	Outer_Full	NV	40	-34.493584	-0.009855	PASS
N77-345 0-3550	30	100	CP-16QAM	M	Outer_Full	NV	50	-29.044910	-0.008299	PASS
N77-345 0-3550	30	100	CP-QPSK	H	Outer_Full	NV	-30	-31.798744	-0.009085	PASS
N77-345 0-3550	30	100	CP-QPSK	H	Outer_Full	NV	-20	-38.745266	-0.011070	PASS
N77-345 0-3550	30	100	CP-QPSK	H	Outer_Full	NV	-10	-32.145241	-0.009184	PASS
N77-345 0-3550	30	100	CP-QPSK	H	Outer_Full	NV	0	-17.149817	-0.004900	PASS
N77-345 0-3550	30	100	CP-QPSK	H	Outer_Full	NV	10	-25.884174	-0.007395	PASS
N77-345 0-3550	30	100	CP-QPSK	H	Outer_Full	NV	20	-17.344233	-0.004955	PASS
N77-345 0-3550	30	100	CP-QPSK	H	Outer_Full	NV	30	-24.638464	-0.007040	PASS
N77-345 0-3550	30	100	CP-QPSK	H	Outer_Full	NV	40	-31.807188	-0.009088	PASS
N77-345 0-3550	30	100	CP-QPSK	H	Outer_Full	NV	50	-23.919657	-0.006834	PASS
N77-345 0-3550	30	100	CP-16QAM	H	Outer_Full	NV	-30	-21.181665	-0.006052	PASS
N77-345	30	100	CP-16QAM	H	Outer_Full	NV	-20	-28.656012	-0.008187	PASS

0-3550										
N77-345 0-3550	30	100	CP-16QAM	H	Outer_Full	NV	-10	-34.883724	-0.009967	PASS
N77-345 0-3550	30	100	CP-16QAM	H	Outer_Full	NV	0	-39.206688	-0.011202	PASS
N77-345 0-3550	30	100	CP-16QAM	H	Outer_Full	NV	10	-30.706759	-0.008773	PASS
N77-345 0-3550	30	100	CP-16QAM	H	Outer_Full	NV	20	-35.266918	-0.010076	PASS
N77-345 0-3550	30	100	CP-16QAM	H	Outer_Full	NV	30	-27.511486	-0.007860	PASS
N77-345 0-3550	30	100	CP-16QAM	H	Outer_Full	NV	40	-17.885715	-0.005110	PASS
N77-345 0-3550	30	100	CP-16QAM	H	Outer_Full	NV	50	-22.502724	-0.006429	PASS