













## 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
N7	15	5	CP-QPSK	L	Outer_Full	VL	NT	-4.89	0.00	PASS
N7	15	5	CP-QPSK	L	Outer_Full	VN	NT	-10.92	0.00	PASS
N7	15	5	CP-QPSK	L	Outer_Full	VH	NT	-15.78	-0.01	PASS
N7	15	5	CP-16QAM	L	Outer_Full	VL	NT	-5.79	0.00	PASS
N7	15	5	CP-16QAM	L	Outer_Full	VN	NT	-33.54	-0.01	PASS
N7	15	5	CP-16QAM	L	Outer_Full	VH	NT	-1.80	0.00	PASS
N7	15	5	CP-QPSK	M	Outer_Full	VL	NT	-21.24	-0.01	PASS
N7	15	5	CP-QPSK	M	Outer_Full	VN	NT	35.46	0.01	PASS
N7	15	5	CP-QPSK	M	Outer_Full	VH	NT	-6.91	0.00	PASS
N7	15	5	CP-16QAM	M	Outer_Full	VL	NT	-97.76	-0.04	PASS
N7	15	5	CP-16QAM	M	Outer_Full	VN	NT	-1.17	0.00	PASS
N7	15	5	CP-16QAM	M	Outer_Full	VH	NT	-12.54	0.00	PASS
N7	15	5	CP-QPSK	H	Outer_Full	VL	NT	19.13	0.01	PASS
N7	15	5	CP-QPSK	H	Outer_Full	VN	NT	-6.87	0.00	PASS
N7	15	5	CP-QPSK	H	Outer_Full	VH	NT	-17.79	-0.01	PASS
N7	15	5	CP-16QAM	H	Outer_Full	VL	NT	-5.82	0.00	PASS
N7	15	5	CP-16QAM	H	Outer_Full	VN	NT	136.47	0.05	PASS
N7	15	5	CP-16QAM	H	Outer_Full	VH	NT	21.69	0.01	PASS
N7	15	10	CP-QPSK	L	Outer_Full	VL	NT	3.74	0.00	PASS
N7	15	10	CP-QPSK	L	Outer_Full	VN	NT	-33.98	-0.01	PASS
N7	15	10	CP-QPSK	L	Outer_Full	VH	NT	15.73	0.01	PASS
N7	15	10	CP-16QAM	L	Outer_Full	VL	NT	7.06	0.00	PASS
N7	15	10	CP-16QAM	L	Outer_Full	VN	NT	-32.23	-0.01	PASS
N7	15	10	CP-16QAM	L	Outer_Full	VH	NT	-151.56	-0.06	PASS
N7	15	10	CP-QPSK	M	Outer_Full	VL	NT	-10.55	0.00	PASS
N7	15	10	CP-QPSK	M	Outer_Full	VN	NT	-10.22	0.00	PASS
N7	15	10	CP-QPSK	M	Outer_Full	VH	NT	4.57	0.00	PASS
N7	15	10	CP-16QAM	M	Outer_Full	VL	NT	-35.90	-0.01	PASS
N7	15	10	CP-16QAM	M	Outer_Full	VN	NT	1.10	0.00	PASS
N7	15	10	CP-16QAM	M	Outer_Full	VH	NT	-4.16	0.00	PASS
N7	15	10	CP-QPSK	H	Outer_Full	VL	NT	4.12	0.00	PASS
N7	15	10	CP-QPSK	H	Outer_Full	VN	NT	3.68	0.00	PASS

N7	15	10	CP-QPSK	H	Outer_Full	VH	NT	-0.98	0.00	PASS
N7	15	10	CP-16QAM	H	Outer_Full	VL	NT	-36.66	-0.01	PASS
N7	15	10	CP-16QAM	H	Outer_Full	VN	NT	-35.43	-0.01	PASS
N7	15	10	CP-16QAM	H	Outer_Full	VH	NT	-10.93	0.00	PASS
N7	15	15	CP-QPSK	L	Outer_Full	VL	NT	11.43	0.00	PASS
N7	15	15	CP-QPSK	L	Outer_Full	VN	NT	7.96	0.00	PASS
N7	15	15	CP-QPSK	L	Outer_Full	VH	NT	30.51	0.01	PASS
N7	15	15	CP-16QAM	L	Outer_Full	VL	NT	-107.87	-0.04	PASS
N7	15	15	CP-16QAM	L	Outer_Full	VN	NT	76.18	0.03	PASS
N7	15	15	CP-16QAM	L	Outer_Full	VH	NT	-13.99	-0.01	PASS
N7	15	15	CP-QPSK	M	Outer_Full	VL	NT	10.69	0.00	PASS
N7	15	15	CP-QPSK	M	Outer_Full	VN	NT	41.63	0.02	PASS
N7	15	15	CP-QPSK	M	Outer_Full	VH	NT	6.40	0.00	PASS
N7	15	15	CP-16QAM	M	Outer_Full	VL	NT	46.59	0.02	PASS
N7	15	15	CP-16QAM	M	Outer_Full	VN	NT	-6.14	0.00	PASS
N7	15	15	CP-16QAM	M	Outer_Full	VH	NT	-30.69	-0.01	PASS
N7	15	15	CP-QPSK	H	Outer_Full	VL	NT	-8.00	0.00	PASS
N7	15	15	CP-QPSK	H	Outer_Full	VN	NT	84.68	0.03	PASS
N7	15	15	CP-QPSK	H	Outer_Full	VH	NT	39.57	0.02	PASS
N7	15	15	CP-16QAM	H	Outer_Full	VL	NT	15.13	0.01	PASS
N7	15	15	CP-16QAM	H	Outer_Full	VN	NT	-7.17	0.00	PASS
N7	15	15	CP-16QAM	H	Outer_Full	VH	NT	-96.04	-0.04	PASS
N7	15	20	CP-QPSK	L	Outer_Full	VL	NT	-5.01	0.00	PASS
N7	15	20	CP-QPSK	L	Outer_Full	VN	NT	30.51	0.01	PASS
N7	15	20	CP-QPSK	L	Outer_Full	VH	NT	-1.92	0.00	PASS
N7	15	20	CP-16QAM	L	Outer_Full	VL	NT	59.56	0.02	PASS
N7	15	20	CP-16QAM	L	Outer_Full	VN	NT	-4.62	0.00	PASS
N7	15	20	CP-16QAM	L	Outer_Full	VH	NT	-3.57	0.00	PASS
N7	15	20	CP-QPSK	M	Outer_Full	VL	NT	1.62	0.00	PASS
N7	15	20	CP-QPSK	M	Outer_Full	VN	NT	-2.47	0.00	PASS
N7	15	20	CP-QPSK	M	Outer_Full	VH	NT	22.06	0.01	PASS
N7	15	20	CP-16QAM	M	Outer_Full	VL	NT	5.27	0.00	PASS
N7	15	20	CP-16QAM	M	Outer_Full	VN	NT	7.88	0.00	PASS
N7	15	20	CP-16QAM	M	Outer_Full	VH	NT	-10.23	0.00	PASS
N7	15	20	CP-QPSK	H	Outer_Full	VL	NT	-1.52	0.00	PASS
N7	15	20	CP-QPSK	H	Outer_Full	VN	NT	-49.66	-0.02	PASS
N7	15	20	CP-QPSK	H	Outer_Full	VH	NT	12.29	0.00	PASS
N7	15	20	CP-16QAM	H	Outer_Full	VL	NT	4.31	0.00	PASS
N7	15	20	CP-16QAM	H	Outer_Full	VN	NT	6.28	0.00	PASS
N7	15	20	CP-16QAM	H	Outer_Full	VH	NT	-68.57	-0.03	PASS



## Frequency Error VS. Temperature

Voltage										
Band	SCS	Bandwidth	Modulation	Channel	RB Config	Voltage	Temperature	Deviation(Hz)	Deviation (ppm)	Verdict
N7	15	5	CP-QPSK	L	Outer_Full	NV	-30	4.247983	0.001697	PASS
N7	15	5	CP-QPSK	L	Outer_Full	NV	-20	-9.777566	-0.003907	PASS
N7	15	5	CP-QPSK	L	Outer_Full	NV	-10	-1.523685	-0.000609	PASS
N7	15	5	CP-QPSK	L	Outer_Full	NV	0	2.321423	0.000928	PASS
N7	15	5	CP-QPSK	L	Outer_Full	NV	10	-10.661286	-0.004260	PASS
N7	15	5	CP-QPSK	L	Outer_Full	NV	20	-5.468066	-0.002185	PASS
N7	15	5	CP-QPSK	L	Outer_Full	NV	30	-16.519073	-0.006601	PASS
N7	15	5	CP-QPSK	L	Outer_Full	NV	40	-10.775127	-0.004306	PASS
N7	15	5	CP-QPSK	L	Outer_Full	NV	50	21.265858	0.008498	PASS
N7	15	5	CP-16QAM	L	Outer_Full	NV	-30	-8.438166	-0.003372	PASS
N7	15	5	CP-16QAM	L	Outer_Full	NV	-20	0.881774	0.000352	PASS
N7	15	5	CP-16QAM	L	Outer_Full	NV	-10	-54.967644	-0.021965	PASS
N7	15	5	CP-16QAM	L	Outer_Full	NV	0	-8.404219	-0.003358	PASS
N7	15	5	CP-16QAM	L	Outer_Full	NV	10	36.088646	0.014421	PASS
N7	15	5	CP-16QAM	L	Outer_Full	NV	20	-35.793339	-0.014303	PASS
N7	15	5	CP-16QAM	L	Outer_Full	NV	30	-71.996834	-0.028770	PASS
N7	15	5	CP-16QAM	L	Outer_Full	NV	40	-4.883965	-0.001952	PASS
N7	15	5	CP-16QAM	L	Outer_Full	NV	50	-1.021090	-0.000408	PASS
N7	15	5	CP-QPSK	M	Outer_Full	NV	-30	-14.996302	-0.005916	PASS
N7	15	5	CP-QPSK	M	Outer_Full	NV	-20	2.100996	0.000829	PASS
N7	15	5	CP-QPSK	M	Outer_Full	NV	-10	3.782589	0.001492	PASS
N7	15	5	CP-QPSK	M	Outer_Full	NV	0	7.766755	0.003064	PASS
N7	15	5	CP-QPSK	M	Outer_Full	NV	10	72.865738	0.028744	PASS
N7	15	5	CP-QPSK	M	Outer_Full	NV	20	-1.571832	-0.000620	PASS
N7	15	5	CP-QPSK	M	Outer_Full	NV	30	-63.077385	-0.024883	PASS
N7	15	5	CP-QPSK	M	Outer_Full	NV	40	-9.616076	-0.003793	PASS
N7	15	5	CP-QPSK	M	Outer_Full	NV	50	11.853938	0.004676	PASS
N7	15	5	CP-16QAM	M	Outer_Full	NV	-30	-7.319616	-0.002887	PASS
N7	15	5	CP-16QAM	M	Outer_Full	NV	-20	0.355101	0.000140	PASS
N7	15	5	CP-16QAM	M	Outer_Full	NV	-10	-79.441521	-0.031338	PASS
N7	15	5	CP-16QAM	M	Outer_Full	NV	0	-5.711725	-0.002253	PASS
N7	15	5	CP-16QAM	M	Outer_Full	NV	10	-50.156342	-0.019786	PASS
N7	15	5	CP-16QAM	M	Outer_Full	NV	20	90.479584	0.035692	PASS
N7	15	5	CP-16QAM	M	Outer_Full	NV	30	57.622120	0.022731	PASS
N7	15	5	CP-16QAM	M	Outer_Full	NV	40	4.327928	0.001707	PASS
N7	15	5	CP-16QAM	M	Outer_Full	NV	50	77.813828	0.030696	PASS

N7	15	5	CP-QPSK	H	Outer_Full	NV	-30	4.567583	0.001779	PASS
N7	15	5	CP-QPSK	H	Outer_Full	NV	-20	2.460311	0.000958	PASS
N7	15	5	CP-QPSK	H	Outer_Full	NV	-10	4.757806	0.001853	PASS
N7	15	5	CP-QPSK	H	Outer_Full	NV	0	86.729469	0.033780	PASS
N7	15	5	CP-QPSK	H	Outer_Full	NV	10	-6.981411	-0.002719	PASS
N7	15	5	CP-QPSK	H	Outer_Full	NV	20	19.127262	0.007450	PASS
N7	15	5	CP-QPSK	H	Outer_Full	NV	30	-2.213448	-0.000862	PASS
N7	15	5	CP-QPSK	H	Outer_Full	NV	40	-10.936749	-0.004260	PASS
N7	15	5	CP-QPSK	H	Outer_Full	NV	50	38.161915	0.014863	PASS
N7	15	5	CP-16QAM	H	Outer_Full	NV	-30	-34.376934	-0.013389	PASS
N7	15	5	CP-16QAM	H	Outer_Full	NV	-20	-13.685025	-0.005330	PASS
N7	15	5	CP-16QAM	H	Outer_Full	NV	-10	-20.910673	-0.008144	PASS
N7	15	5	CP-16QAM	H	Outer_Full	NV	0	-6.206195	-0.002417	PASS
N7	15	5	CP-16QAM	H	Outer_Full	NV	10	-11.444619	-0.004457	PASS
N7	15	5	CP-16QAM	H	Outer_Full	NV	20	23.243713	0.009053	PASS
N7	15	5	CP-16QAM	H	Outer_Full	NV	30	-2.623620	-0.001022	PASS
N7	15	5	CP-16QAM	H	Outer_Full	NV	40	-89.914024	-0.035020	PASS
N7	15	5	CP-16QAM	H	Outer_Full	NV	50	-13.152189	-0.005123	PASS
N7	15	10	CP-QPSK	L	Outer_Full	NV	-30	-13.581774	-0.005422	PASS
N7	15	10	CP-QPSK	L	Outer_Full	NV	-20	-82.705162	-0.033016	PASS
N7	15	10	CP-QPSK	L	Outer_Full	NV	-10	-35.751427	-0.014272	PASS
N7	15	10	CP-QPSK	L	Outer_Full	NV	0	-0.425852	-0.000170	PASS
N7	15	10	CP-QPSK	L	Outer_Full	NV	10	-99.950775	-0.039901	PASS
N7	15	10	CP-QPSK	L	Outer_Full	NV	20	27.799887	0.011098	PASS
N7	15	10	CP-QPSK	L	Outer_Full	NV	30	24.051428	0.009601	PASS
N7	15	10	CP-QPSK	L	Outer_Full	NV	40	-83.797279	-0.033452	PASS
N7	15	10	CP-QPSK	L	Outer_Full	NV	50	-6.847400	-0.002733	PASS
N7	15	10	CP-16QAM	L	Outer_Full	NV	-30	7.049444	0.002814	PASS
N7	15	10	CP-16QAM	L	Outer_Full	NV	-20	-10.357924	-0.004135	PASS
N7	15	10	CP-16QAM	L	Outer_Full	NV	-10	-9.588387	-0.003828	PASS
N7	15	10	CP-16QAM	L	Outer_Full	NV	0	-14.093222	-0.005626	PASS
N7	15	10	CP-16QAM	L	Outer_Full	NV	10	-7.468513	-0.002981	PASS
N7	15	10	CP-16QAM	L	Outer_Full	NV	20	-6.250680	-0.002495	PASS
N7	15	10	CP-16QAM	L	Outer_Full	NV	30	-92.151909	-0.036787	PASS
N7	15	10	CP-16QAM	L	Outer_Full	NV	40	-1.862138	-0.000743	PASS
N7	15	10	CP-16QAM	L	Outer_Full	NV	50	-16.137842	-0.006442	PASS
N7	15	10	CP-QPSK	M	Outer_Full	NV	-30	118.315086	0.046673	PASS
N7	15	10	CP-QPSK	M	Outer_Full	NV	-20	122.571823	0.048352	PASS
N7	15	10	CP-QPSK	M	Outer_Full	NV	-10	8.644153	0.003410	PASS
N7	15	10	CP-QPSK	M	Outer_Full	NV	0	3.095924	0.001221	PASS
N7	15	10	CP-QPSK	M	Outer_Full	NV	10	5.616487	0.002216	PASS

N7	15	10	CP-QPSK	M	Outer_Full	NV	20	100.664246	0.039710	PASS
N7	15	10	CP-QPSK	M	Outer_Full	NV	30	0.831195	0.000328	PASS
N7	15	10	CP-QPSK	M	Outer_Full	NV	40	-10.536041	-0.004156	PASS
N7	15	10	CP-QPSK	M	Outer_Full	NV	50	82.869492	0.032690	PASS
N7	15	10	CP-16QAM	M	Outer_Full	NV	-30	-28.404907	-0.011205	PASS
N7	15	10	CP-16QAM	M	Outer_Full	NV	-20	4.312004	0.001701	PASS
N7	15	10	CP-16QAM	M	Outer_Full	NV	-10	-24.435316	-0.009639	PASS
N7	15	10	CP-16QAM	M	Outer_Full	NV	0	-0.683186	-0.000270	PASS
N7	15	10	CP-16QAM	M	Outer_Full	NV	10	49.912140	0.019689	PASS
N7	15	10	CP-16QAM	M	Outer_Full	NV	20	-3.372959	-0.001331	PASS
N7	15	10	CP-16QAM	M	Outer_Full	NV	30	-7.276479	-0.002870	PASS
N7	15	10	CP-16QAM	M	Outer_Full	NV	40	-6.880354	-0.002714	PASS
N7	15	10	CP-16QAM	M	Outer_Full	NV	50	44.239243	0.017451	PASS
N7	15	10	CP-QPSK	H	Outer_Full	NV	-30	27.724579	0.010809	PASS
N7	15	10	CP-QPSK	H	Outer_Full	NV	-20	138.924576	0.054162	PASS
N7	15	10	CP-QPSK	H	Outer_Full	NV	-10	-9.160590	-0.003571	PASS
N7	15	10	CP-QPSK	H	Outer_Full	NV	0	28.159189	0.010978	PASS
N7	15	10	CP-QPSK	H	Outer_Full	NV	10	-74.782349	-0.029155	PASS
N7	15	10	CP-QPSK	H	Outer_Full	NV	20	-4.159952	-0.001622	PASS
N7	15	10	CP-QPSK	H	Outer_Full	NV	30	3.850421	0.001501	PASS
N7	15	10	CP-QPSK	H	Outer_Full	NV	40	-9.267529	-0.003613	PASS
N7	15	10	CP-QPSK	H	Outer_Full	NV	50	-33.739456	-0.013154	PASS
N7	15	10	CP-16QAM	H	Outer_Full	NV	-30	125.689354	0.049002	PASS
N7	15	10	CP-16QAM	H	Outer_Full	NV	-20	69.225868	0.026989	PASS
N7	15	10	CP-16QAM	H	Outer_Full	NV	-10	-8.386807	-0.003270	PASS
N7	15	10	CP-16QAM	H	Outer_Full	NV	0	-14.691074	-0.005728	PASS
N7	15	10	CP-16QAM	H	Outer_Full	NV	10	2.172243	0.000847	PASS
N7	15	10	CP-16QAM	H	Outer_Full	NV	20	-2.005205	-0.000782	PASS
N7	15	10	CP-16QAM	H	Outer_Full	NV	30	-5.026297	-0.001960	PASS
N7	15	10	CP-16QAM	H	Outer_Full	NV	40	-8.750742	-0.003412	PASS
N7	15	10	CP-16QAM	H	Outer_Full	NV	50	-11.677588	-0.004553	PASS
N7	15	15	CP-QPSK	L	Outer_Full	NV	-30	0.847299	0.000338	PASS
N7	15	15	CP-QPSK	L	Outer_Full	NV	-20	1.545570	0.000616	PASS
N7	15	15	CP-QPSK	L	Outer_Full	NV	-10	63.218906	0.025212	PASS
N7	15	15	CP-QPSK	L	Outer_Full	NV	0	-16.099463	-0.006421	PASS
N7	15	15	CP-QPSK	L	Outer_Full	NV	10	-15.803641	-0.006303	PASS
N7	15	15	CP-QPSK	L	Outer_Full	NV	20	-23.006176	-0.009175	PASS
N7	15	15	CP-QPSK	L	Outer_Full	NV	30	6.560647	0.002616	PASS
N7	15	15	CP-QPSK	L	Outer_Full	NV	40	1.742117	0.000695	PASS
N7	15	15	CP-QPSK	L	Outer_Full	NV	50	11.928251	0.004757	PASS
N7	15	15	CP-16QAM	L	Outer_Full	NV	-30	136.411438	0.054401	PASS

N7	15	15	CP-16QAM	L	Outer_Full	NV	-20	-89.257103	-0.035596	PASS
N7	15	15	CP-16QAM	L	Outer_Full	NV	-10	5.799283	0.002313	PASS
N7	15	15	CP-16QAM	L	Outer_Full	NV	0	3.463532	0.001381	PASS
N7	15	15	CP-16QAM	L	Outer_Full	NV	10	6.593917	0.002630	PASS
N7	15	15	CP-16QAM	L	Outer_Full	NV	20	-55.990784	-0.022329	PASS
N7	15	15	CP-16QAM	L	Outer_Full	NV	30	-18.399025	-0.007338	PASS
N7	15	15	CP-16QAM	L	Outer_Full	NV	40	3.020194	0.001204	PASS
N7	15	15	CP-16QAM	L	Outer_Full	NV	50	-26.681820	-0.010641	PASS
N7	15	15	CP-QPSK	M	Outer_Full	NV	-30	-96.080673	-0.037902	PASS
N7	15	15	CP-QPSK	M	Outer_Full	NV	-20	-0.166778	-0.000066	PASS
N7	15	15	CP-QPSK	M	Outer_Full	NV	-10	-4.827759	-0.001904	PASS
N7	15	15	CP-QPSK	M	Outer_Full	NV	0	-2.526468	-0.000997	PASS
N7	15	15	CP-QPSK	M	Outer_Full	NV	10	-7.827592	-0.003088	PASS
N7	15	15	CP-QPSK	M	Outer_Full	NV	20	-11.058228	-0.004362	PASS
N7	15	15	CP-QPSK	M	Outer_Full	NV	30	3.636580	0.001435	PASS
N7	15	15	CP-QPSK	M	Outer_Full	NV	40	6.397058	0.002523	PASS
N7	15	15	CP-QPSK	M	Outer_Full	NV	50	-111.105721	-0.043829	PASS
N7	15	15	CP-16QAM	M	Outer_Full	NV	-30	5.378591	0.002122	PASS
N7	15	15	CP-16QAM	M	Outer_Full	NV	-20	-7.480034	-0.002951	PASS
N7	15	15	CP-16QAM	M	Outer_Full	NV	-10	0.952995	0.000376	PASS
N7	15	15	CP-16QAM	M	Outer_Full	NV	0	-8.953739	-0.003532	PASS
N7	15	15	CP-16QAM	M	Outer_Full	NV	10	-6.464668	-0.002550	PASS
N7	15	15	CP-16QAM	M	Outer_Full	NV	20	-6.285332	-0.002479	PASS
N7	15	15	CP-16QAM	M	Outer_Full	NV	30	13.316237	0.005253	PASS
N7	15	15	CP-16QAM	M	Outer_Full	NV	40	17.807159	0.007025	PASS
N7	15	15	CP-16QAM	M	Outer_Full	NV	50	-11.040408	-0.004355	PASS
N7	15	15	CP-QPSK	H	Outer_Full	NV	-30	4.869552	0.001900	PASS
N7	15	15	CP-QPSK	H	Outer_Full	NV	-20	-5.559289	-0.002169	PASS
N7	15	15	CP-QPSK	H	Outer_Full	NV	-10	-3.289972	-0.001284	PASS
N7	15	15	CP-QPSK	H	Outer_Full	NV	0	36.357769	0.014188	PASS
N7	15	15	CP-QPSK	H	Outer_Full	NV	10	0.502522	0.000196	PASS
N7	15	15	CP-QPSK	H	Outer_Full	NV	20	-3.670169	-0.001432	PASS
N7	15	15	CP-QPSK	H	Outer_Full	NV	30	-4.968458	-0.001939	PASS
N7	15	15	CP-QPSK	H	Outer_Full	NV	40	-6.960509	-0.002716	PASS
N7	15	15	CP-QPSK	H	Outer_Full	NV	50	-6.639847	-0.002591	PASS
N7	15	15	CP-16QAM	H	Outer_Full	NV	-30	18.136585	0.007078	PASS
N7	15	15	CP-16QAM	H	Outer_Full	NV	-20	-96.032532	-0.037476	PASS
N7	15	15	CP-16QAM	H	Outer_Full	NV	-10	-8.474691	-0.003307	PASS
N7	15	15	CP-16QAM	H	Outer_Full	NV	0	-95.753899	-0.037367	PASS
N7	15	15	CP-16QAM	H	Outer_Full	NV	10	-149.087845	-0.058181	PASS
N7	15	15	CP-16QAM	H	Outer_Full	NV	20	120.918724	0.047188	PASS

N7	15	15	CP-16QAM	H	Outer_Full	NV	30	-0.347928	-0.000136	PASS
N7	15	15	CP-16QAM	H	Outer_Full	NV	40	-14.213664	-0.005547	PASS
N7	15	15	CP-16QAM	H	Outer_Full	NV	50	-4.849529	-0.001892	PASS
N7	15	20	CP-QPSK	L	Outer_Full	NV	-30	-35.946209	-0.014321	PASS
N7	15	20	CP-QPSK	L	Outer_Full	NV	-20	-84.427582	-0.033636	PASS
N7	15	20	CP-QPSK	L	Outer_Full	NV	-10	-55.346298	-0.022050	PASS
N7	15	20	CP-QPSK	L	Outer_Full	NV	0	47.765400	0.019030	PASS
N7	15	20	CP-QPSK	L	Outer_Full	NV	10	25.501305	0.010160	PASS
N7	15	20	CP-QPSK	L	Outer_Full	NV	20	-0.695780	-0.000277	PASS
N7	15	20	CP-QPSK	L	Outer_Full	NV	30	-63.732857	-0.025392	PASS
N7	15	20	CP-QPSK	L	Outer_Full	NV	40	-12.158917	-0.004844	PASS
N7	15	20	CP-QPSK	L	Outer_Full	NV	50	-68.663284	-0.027356	PASS
N7	15	20	CP-16QAM	L	Outer_Full	NV	-30	-106.133835	-0.042284	PASS
N7	15	20	CP-16QAM	L	Outer_Full	NV	-20	82.013573	0.032675	PASS
N7	15	20	CP-16QAM	L	Outer_Full	NV	-10	3.409166	0.001358	PASS
N7	15	20	CP-16QAM	L	Outer_Full	NV	0	102.617020	0.040883	PASS
N7	15	20	CP-16QAM	L	Outer_Full	NV	10	-3.607501	-0.001437	PASS
N7	15	20	CP-16QAM	L	Outer_Full	NV	20	1.393680	0.000555	PASS
N7	15	20	CP-16QAM	L	Outer_Full	NV	30	-11.629621	-0.004633	PASS
N7	15	20	CP-16QAM	L	Outer_Full	NV	40	-1.432192	-0.000571	PASS
N7	15	20	CP-16QAM	L	Outer_Full	NV	50	-12.236588	-0.004875	PASS
N7	15	20	CP-QPSK	M	Outer_Full	NV	-30	41.072369	0.016202	PASS
N7	15	20	CP-QPSK	M	Outer_Full	NV	-20	2.880612	0.001136	PASS
N7	15	20	CP-QPSK	M	Outer_Full	NV	-10	136.862274	0.053989	PASS
N7	15	20	CP-QPSK	M	Outer_Full	NV	0	-6.128996	-0.002418	PASS
N7	15	20	CP-QPSK	M	Outer_Full	NV	10	5.657569	0.002232	PASS
N7	15	20	CP-QPSK	M	Outer_Full	NV	20	-122.018868	-0.048134	PASS
N7	15	20	CP-QPSK	M	Outer_Full	NV	30	-3.019770	-0.001191	PASS
N7	15	20	CP-QPSK	M	Outer_Full	NV	40	-3.853036	-0.001520	PASS
N7	15	20	CP-QPSK	M	Outer_Full	NV	50	-7.494483	-0.002956	PASS
N7	15	20	CP-16QAM	M	Outer_Full	NV	-30	-4.686409	-0.001849	PASS
N7	15	20	CP-16QAM	M	Outer_Full	NV	-20	18.558022	0.007321	PASS
N7	15	20	CP-16QAM	M	Outer_Full	NV	-10	10.491282	0.004139	PASS
N7	15	20	CP-16QAM	M	Outer_Full	NV	0	-28.273096	-0.011153	PASS
N7	15	20	CP-16QAM	M	Outer_Full	NV	10	-40.796352	-0.016093	PASS
N7	15	20	CP-16QAM	M	Outer_Full	NV	20	10.413517	0.004108	PASS
N7	15	20	CP-16QAM	M	Outer_Full	NV	30	23.868725	0.009416	PASS
N7	15	20	CP-16QAM	M	Outer_Full	NV	40	2.406482	0.000949	PASS
N7	15	20	CP-16QAM	M	Outer_Full	NV	50	-2.482486	-0.000979	PASS
N7	15	20	CP-QPSK	H	Outer_Full	NV	-30	125.940613	0.049196	PASS
N7	15	20	CP-QPSK	H	Outer_Full	NV	-20	-2.893407	-0.001130	PASS

N7	15	20	CP-QPSK	H	Outer_Full	NV	-10	23.362791	0.009126	PASS
N7	15	20	CP-QPSK	H	Outer_Full	NV	0	-6.721338	-0.002626	PASS
N7	15	20	CP-QPSK	H	Outer_Full	NV	10	55.587349	0.021714	PASS
N7	15	20	CP-QPSK	H	Outer_Full	NV	20	4.996862	0.001952	PASS
N7	15	20	CP-QPSK	H	Outer_Full	NV	30	-112.049179	-0.043769	PASS
N7	15	20	CP-QPSK	H	Outer_Full	NV	40	5.636777	0.002202	PASS
N7	15	20	CP-QPSK	H	Outer_Full	NV	50	-46.485275	-0.018158	PASS
N7	15	20	CP-16QAM	H	Outer_Full	NV	-30	17.645651	0.006893	PASS
N7	15	20	CP-16QAM	H	Outer_Full	NV	-20	41.658638	0.016273	PASS
N7	15	20	CP-16QAM	H	Outer_Full	NV	-10	112.131432	0.043801	PASS
N7	15	20	CP-16QAM	H	Outer_Full	NV	0	-146.860413	-0.057367	PASS
N7	15	20	CP-16QAM	H	Outer_Full	NV	10	-64.515427	-0.025201	PASS
N7	15	20	CP-16QAM	H	Outer_Full	NV	20	8.793092	0.003435	PASS
N7	15	20	CP-16QAM	H	Outer_Full	NV	30	7.831763	0.003059	PASS
N7	15	20	CP-16QAM	H	Outer_Full	NV	40	-6.153083	-0.002404	PASS
N7	15	20	CP-16QAM	H	Outer_Full	NV	50	9.394388	0.003670	PASS