

















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
N5	15	5	CP-QPSK	L	Outer_Full	VL	NT	-2.96	0.00	PASS
N5	15	5	CP-QPSK	L	Outer_Full	VN	NT	-9.66	-0.01	PASS
N5	15	5	CP-QPSK	L	Outer_Full	VH	NT	-5.83	-0.01	PASS
N5	15	5	CP-16QAM	L	Outer_Full	VL	NT	-56.71	-0.07	PASS
N5	15	5	CP-16QAM	L	Outer_Full	VN	NT	-8.52	-0.01	PASS
N5	15	5	CP-16QAM	L	Outer_Full	VH	NT	-5.26	-0.01	PASS
N5	15	5	CP-QPSK	M	Outer_Full	VL	NT	-2.90	0.00	PASS
N5	15	5	CP-QPSK	M	Outer_Full	VN	NT	-10.74	-0.01	PASS
N5	15	5	CP-QPSK	M	Outer_Full	VH	NT	-36.78	-0.04	PASS
N5	15	5	CP-16QAM	M	Outer_Full	VL	NT	-8.86	-0.01	PASS
N5	15	5	CP-16QAM	M	Outer_Full	VN	NT	-61.29	-0.07	PASS
N5	15	5	CP-16QAM	M	Outer_Full	VH	NT	-22.02	-0.03	PASS
N5	15	5	CP-QPSK	H	Outer_Full	VL	NT	5.71	0.01	PASS
N5	15	5	CP-QPSK	H	Outer_Full	VN	NT	-0.95	0.00	PASS
N5	15	5	CP-QPSK	H	Outer_Full	VH	NT	3.44	0.00	PASS
N5	15	5	CP-16QAM	H	Outer_Full	VL	NT	0.16	0.00	PASS
N5	15	5	CP-16QAM	H	Outer_Full	VN	NT	2.52	0.00	PASS
N5	15	5	CP-16QAM	H	Outer_Full	VH	NT	53.00	0.06	PASS
N5	15	10	CP-QPSK	L	Outer_Full	VL	NT	-0.82	0.00	PASS
N5	15	10	CP-QPSK	L	Outer_Full	VN	NT	-2.44	0.00	PASS
N5	15	10	CP-QPSK	L	Outer_Full	VH	NT	-28.64	-0.03	PASS
N5	15	10	CP-16QAM	L	Outer_Full	VL	NT	-0.51	0.00	PASS
N5	15	10	CP-16QAM	L	Outer_Full	VN	NT	-0.25	0.00	PASS
N5	15	10	CP-16QAM	L	Outer_Full	VH	NT	0.38	0.00	PASS
N5	15	10	CP-QPSK	M	Outer_Full	VL	NT	-0.11	0.00	PASS
N5	15	10	CP-QPSK	M	Outer_Full	VN	NT	-0.53	0.00	PASS
N5	15	10	CP-QPSK	M	Outer_Full	VH	NT	60.70	0.07	PASS
N5	15	10	CP-16QAM	M	Outer_Full	VL	NT	75.50	0.09	PASS
N5	15	10	CP-16QAM	M	Outer_Full	VN	NT	-203.23	-0.24	PASS
N5	15	10	CP-16QAM	M	Outer_Full	VH	NT	-62.69	-0.07	PASS
N5	15	10	CP-QPSK	H	Outer_Full	VL	NT	-112.32	-0.13	PASS
N5	15	10	CP-QPSK	H	Outer_Full	VN	NT	-1.34	0.00	PASS

N5	15	10	CP-QPSK	H	Outer_Full	VH	NT	-2.24	0.00	PASS
N5	15	10	CP-16QAM	H	Outer_Full	VL	NT	10.59	0.01	PASS
N5	15	10	CP-16QAM	H	Outer_Full	VN	NT	-40.06	-0.05	PASS
N5	15	10	CP-16QAM	H	Outer_Full	VH	NT	-4.60	-0.01	PASS
N5	15	15	CP-QPSK	L	Outer_Full	VL	NT	0.05	0.00	PASS
N5	15	15	CP-QPSK	L	Outer_Full	VN	NT	7.81	0.01	PASS
N5	15	15	CP-QPSK	L	Outer_Full	VH	NT	-2.61	0.00	PASS
N5	15	15	CP-16QAM	L	Outer_Full	VL	NT	-4.87	-0.01	PASS
N5	15	15	CP-16QAM	L	Outer_Full	VN	NT	1.45	0.00	PASS
N5	15	15	CP-16QAM	L	Outer_Full	VH	NT	-1.34	0.00	PASS
N5	15	15	CP-QPSK	M	Outer_Full	VL	NT	-1.19	0.00	PASS
N5	15	15	CP-QPSK	M	Outer_Full	VN	NT	5.01	0.01	PASS
N5	15	15	CP-QPSK	M	Outer_Full	VH	NT	-6.40	-0.01	PASS
N5	15	15	CP-16QAM	M	Outer_Full	VL	NT	-3.64	0.00	PASS
N5	15	15	CP-16QAM	M	Outer_Full	VN	NT	-7.75	-0.01	PASS
N5	15	15	CP-16QAM	M	Outer_Full	VH	NT	1.06	0.00	PASS
N5	15	15	CP-QPSK	H	Outer_Full	VL	NT	-6.88	-0.01	PASS
N5	15	15	CP-QPSK	H	Outer_Full	VN	NT	-0.23	0.00	PASS
N5	15	15	CP-QPSK	H	Outer_Full	VH	NT	-0.39	0.00	PASS
N5	15	15	CP-16QAM	H	Outer_Full	VL	NT	-3.63	0.00	PASS
N5	15	15	CP-16QAM	H	Outer_Full	VN	NT	-8.82	-0.01	PASS
N5	15	15	CP-16QAM	H	Outer_Full	VH	NT	-7.24	-0.01	PASS
N5	15	20	CP-QPSK	L	Outer_Full	VL	NT	-0.36	0.00	PASS
N5	15	20	CP-QPSK	L	Outer_Full	VN	NT	0.68	0.00	PASS
N5	15	20	CP-QPSK	L	Outer_Full	VH	NT	-4.18	-0.01	PASS
N5	15	20	CP-16QAM	L	Outer_Full	VL	NT	-2.89	0.00	PASS
N5	15	20	CP-16QAM	L	Outer_Full	VN	NT	-6.94	-0.01	PASS
N5	15	20	CP-16QAM	L	Outer_Full	VH	NT	-0.13	0.00	PASS
N5	15	20	CP-QPSK	M	Outer_Full	VL	NT	-5.02	-0.01	PASS
N5	15	20	CP-QPSK	M	Outer_Full	VN	NT	3.06	0.00	PASS
N5	15	20	CP-QPSK	M	Outer_Full	VH	NT	-5.80	-0.01	PASS
N5	15	20	CP-16QAM	M	Outer_Full	VL	NT	-4.16	0.00	PASS
N5	15	20	CP-16QAM	M	Outer_Full	VN	NT	-3.23	0.00	PASS
N5	15	20	CP-16QAM	M	Outer_Full	VH	NT	-1.52	0.00	PASS
N5	15	20	CP-QPSK	H	Outer_Full	VL	NT	-1.91	0.00	PASS
N5	15	20	CP-QPSK	H	Outer_Full	VN	NT	-1.40	0.00	PASS
N5	15	20	CP-QPSK	H	Outer_Full	VH	NT	3.17	0.00	PASS
N5	15	20	CP-16QAM	H	Outer_Full	VL	NT	2.70	0.00	PASS
N5	15	20	CP-16QAM	H	Outer_Full	VN	NT	-4.13	0.00	PASS
N5	15	20	CP-16QAM	H	Outer_Full	VH	NT	-0.27	0.00	PASS

Frequency Error VS. Temperature

Voltage										
Band	SCS	Bandwidth	Modulation	Channel	RB Config	Voltage	Temperature	Deviation(Hz)	Deviation (ppm)	Verdict
N5	15	5	CP-QPSK	L	Outer_Full	NV	-30	0.093519	0.000113	PASS
N5	15	5	CP-QPSK	L	Outer_Full	NV	-20	-18.804222	-0.022752	PASS
N5	15	5	CP-QPSK	L	Outer_Full	NV	-10	88.204239	0.106720	PASS
N5	15	5	CP-QPSK	L	Outer_Full	NV	0	-0.365366	-0.000442	PASS
N5	15	5	CP-QPSK	L	Outer_Full	NV	10	-26.569309	-0.032147	PASS
N5	15	5	CP-QPSK	L	Outer_Full	NV	20	40.117931	0.048540	PASS
N5	15	5	CP-QPSK	L	Outer_Full	NV	30	-11.326107	-0.013704	PASS
N5	15	5	CP-QPSK	L	Outer_Full	NV	40	2.476106	0.002996	PASS
N5	15	5	CP-QPSK	L	Outer_Full	NV	50	37.510548	0.045385	PASS
N5	15	5	CP-16QAM	L	Outer_Full	NV	-30	-2.159622	-0.002613	PASS
N5	15	5	CP-16QAM	L	Outer_Full	NV	-20	-53.071991	-0.064213	PASS
N5	15	5	CP-16QAM	L	Outer_Full	NV	-10	-6.101127	-0.007382	PASS
N5	15	5	CP-16QAM	L	Outer_Full	NV	0	-3.795883	-0.004593	PASS
N5	15	5	CP-16QAM	L	Outer_Full	NV	10	-10.980698	-0.013286	PASS
N5	15	5	CP-16QAM	L	Outer_Full	NV	20	-60.964794	-0.073763	PASS
N5	15	5	CP-16QAM	L	Outer_Full	NV	30	11.318850	0.013695	PASS
N5	15	5	CP-16QAM	L	Outer_Full	NV	40	2.167274	0.002622	PASS
N5	15	5	CP-16QAM	L	Outer_Full	NV	50	2.896767	0.003505	PASS
N5	15	5	CP-QPSK	M	Outer_Full	NV	-30	-142.636368	-0.170516	PASS
N5	15	5	CP-QPSK	M	Outer_Full	NV	-20	-4.569424	-0.005463	PASS
N5	15	5	CP-QPSK	M	Outer_Full	NV	-10	-2.174093	-0.002599	PASS
N5	15	5	CP-QPSK	M	Outer_Full	NV	0	-7.971952	-0.009530	PASS
N5	15	5	CP-QPSK	M	Outer_Full	NV	10	-53.796257	-0.064311	PASS
N5	15	5	CP-QPSK	M	Outer_Full	NV	20	-19.975077	-0.023879	PASS
N5	15	5	CP-QPSK	M	Outer_Full	NV	30	-0.497718	-0.000595	PASS
N5	15	5	CP-QPSK	M	Outer_Full	NV	40	3.843344	0.004595	PASS
N5	15	5	CP-QPSK	M	Outer_Full	NV	50	-2.896515	-0.003463	PASS
N5	15	5	CP-16QAM	M	Outer_Full	NV	-30	25.318367	0.030267	PASS
N5	15	5	CP-16QAM	M	Outer_Full	NV	-20	-3.087113	-0.003691	PASS
N5	15	5	CP-16QAM	M	Outer_Full	NV	-10	-19.977562	-0.023882	PASS
N5	15	5	CP-16QAM	M	Outer_Full	NV	0	-5.472652	-0.006542	PASS
N5	15	5	CP-16QAM	M	Outer_Full	NV	10	18.736334	0.022398	PASS
N5	15	5	CP-16QAM	M	Outer_Full	NV	20	-6.995628	-0.008363	PASS
N5	15	5	CP-16QAM	M	Outer_Full	NV	30	52.388966	0.062629	PASS
N5	15	5	CP-16QAM	M	Outer_Full	NV	40	-126.299133	-0.150985	PASS
N5	15	5	CP-16QAM	M	Outer_Full	NV	50	-4.632623	-0.005538	PASS

N5	15	5	CP-QPSK	H	Outer_Full	NV	-30	13.485703	0.015931	PASS
N5	15	5	CP-QPSK	H	Outer_Full	NV	-20	-50.075554	-0.059156	PASS
N5	15	5	CP-QPSK	H	Outer_Full	NV	-10	-0.245709	-0.000290	PASS
N5	15	5	CP-QPSK	H	Outer_Full	NV	0	-24.523987	-0.028971	PASS
N5	15	5	CP-QPSK	H	Outer_Full	NV	10	18.333689	0.021658	PASS
N5	15	5	CP-QPSK	H	Outer_Full	NV	20	1.486626	0.001756	PASS
N5	15	5	CP-QPSK	H	Outer_Full	NV	30	-55.806477	-0.065926	PASS
N5	15	5	CP-QPSK	H	Outer_Full	NV	40	4.372215	0.005165	PASS
N5	15	5	CP-QPSK	H	Outer_Full	NV	50	116.581520	0.137722	PASS
N5	15	5	CP-16QAM	H	Outer_Full	NV	-30	7.771865	0.009181	PASS
N5	15	5	CP-16QAM	H	Outer_Full	NV	-20	39.971813	0.047220	PASS
N5	15	5	CP-16QAM	H	Outer_Full	NV	-10	134.022583	0.158326	PASS
N5	15	5	CP-16QAM	H	Outer_Full	NV	0	6.185590	0.007307	PASS
N5	15	5	CP-16QAM	H	Outer_Full	NV	10	-0.073739	-0.000087	PASS
N5	15	5	CP-16QAM	H	Outer_Full	NV	20	2.645514	0.003125	PASS
N5	15	5	CP-16QAM	H	Outer_Full	NV	30	21.474617	0.025369	PASS
N5	15	5	CP-16QAM	H	Outer_Full	NV	40	-1.130027	-0.001335	PASS
N5	15	5	CP-16QAM	H	Outer_Full	NV	50	11.288626	0.013336	PASS
N5	15	10	CP-QPSK	L	Outer_Full	NV	-30	-6.439891	-0.007768	PASS
N5	15	10	CP-QPSK	L	Outer_Full	NV	-20	-1.318669	-0.001591	PASS
N5	15	10	CP-QPSK	L	Outer_Full	NV	-10	-33.863934	-0.040849	PASS
N5	15	10	CP-QPSK	L	Outer_Full	NV	0	-73.212990	-0.088315	PASS
N5	15	10	CP-QPSK	L	Outer_Full	NV	10	0.575734	0.000694	PASS
N5	15	10	CP-QPSK	L	Outer_Full	NV	20	-27.117611	-0.032711	PASS
N5	15	10	CP-QPSK	L	Outer_Full	NV	30	-90.409485	-0.109058	PASS
N5	15	10	CP-QPSK	L	Outer_Full	NV	40	-1.056746	-0.001275	PASS
N5	15	10	CP-QPSK	L	Outer_Full	NV	50	25.512600	0.030775	PASS
N5	15	10	CP-16QAM	L	Outer_Full	NV	-30	1.259952	0.001520	PASS
N5	15	10	CP-16QAM	L	Outer_Full	NV	-20	-104.083603	-0.125553	PASS
N5	15	10	CP-16QAM	L	Outer_Full	NV	-10	-5.718044	-0.006898	PASS
N5	15	10	CP-16QAM	L	Outer_Full	NV	0	109.110245	0.131617	PASS
N5	15	10	CP-16QAM	L	Outer_Full	NV	10	61.738842	0.074474	PASS
N5	15	10	CP-16QAM	L	Outer_Full	NV	20	68.694267	0.082864	PASS
N5	15	10	CP-16QAM	L	Outer_Full	NV	30	-64.548630	-0.077863	PASS
N5	15	10	CP-16QAM	L	Outer_Full	NV	40	-0.370695	-0.000447	PASS
N5	15	10	CP-16QAM	L	Outer_Full	NV	50	80.955811	0.097655	PASS
N5	15	10	CP-QPSK	M	Outer_Full	NV	-30	51.979633	0.062139	PASS
N5	15	10	CP-QPSK	M	Outer_Full	NV	-20	-0.742595	-0.000888	PASS
N5	15	10	CP-QPSK	M	Outer_Full	NV	-10	-5.640440	-0.006743	PASS
N5	15	10	CP-QPSK	M	Outer_Full	NV	0	23.547926	0.028151	PASS
N5	15	10	CP-QPSK	M	Outer_Full	NV	10	40.781139	0.048752	PASS

N5	15	10	CP-QPSK	M	Outer_Full	NV	20	-22.865763	-0.027335	PASS
N5	15	10	CP-QPSK	M	Outer_Full	NV	30	138.733994	0.165851	PASS
N5	15	10	CP-QPSK	M	Outer_Full	NV	40	0.970788	0.001161	PASS
N5	15	10	CP-QPSK	M	Outer_Full	NV	50	80.960190	0.096784	PASS
N5	15	10	CP-16QAM	M	Outer_Full	NV	-30	29.098433	0.034786	PASS
N5	15	10	CP-16QAM	M	Outer_Full	NV	-20	-7.600154	-0.009086	PASS
N5	15	10	CP-16QAM	M	Outer_Full	NV	-10	-0.574569	-0.000687	PASS
N5	15	10	CP-16QAM	M	Outer_Full	NV	0	-1.397824	-0.001671	PASS
N5	15	10	CP-16QAM	M	Outer_Full	NV	10	-2.632961	-0.003148	PASS
N5	15	10	CP-16QAM	M	Outer_Full	NV	20	-2.977260	-0.003559	PASS
N5	15	10	CP-16QAM	M	Outer_Full	NV	30	14.788385	0.017679	PASS
N5	15	10	CP-16QAM	M	Outer_Full	NV	40	-52.224373	-0.062432	PASS
N5	15	10	CP-16QAM	M	Outer_Full	NV	50	-5.327222	-0.006368	PASS
N5	15	10	CP-QPSK	H	Outer_Full	NV	-30	86.492989	0.102480	PASS
N5	15	10	CP-QPSK	H	Outer_Full	NV	-20	0.031912	0.000038	PASS
N5	15	10	CP-QPSK	H	Outer_Full	NV	-10	-6.397882	-0.007580	PASS
N5	15	10	CP-QPSK	H	Outer_Full	NV	0	1.044204	0.001237	PASS
N5	15	10	CP-QPSK	H	Outer_Full	NV	10	-65.824463	-0.077991	PASS
N5	15	10	CP-QPSK	H	Outer_Full	NV	20	-2.237185	-0.002651	PASS
N5	15	10	CP-QPSK	H	Outer_Full	NV	30	-11.296972	-0.013385	PASS
N5	15	10	CP-QPSK	H	Outer_Full	NV	40	41.586792	0.049273	PASS
N5	15	10	CP-QPSK	H	Outer_Full	NV	50	4.536380	0.005375	PASS
N5	15	10	CP-16QAM	H	Outer_Full	NV	-30	2.045736	0.002424	PASS
N5	15	10	CP-16QAM	H	Outer_Full	NV	-20	12.854803	0.015231	PASS
N5	15	10	CP-16QAM	H	Outer_Full	NV	-10	69.491943	0.082336	PASS
N5	15	10	CP-16QAM	H	Outer_Full	NV	0	131.856003	0.156227	PASS
N5	15	10	CP-16QAM	H	Outer_Full	NV	10	-78.846695	-0.093420	PASS
N5	15	10	CP-16QAM	H	Outer_Full	NV	20	0.039051	0.000046	PASS
N5	15	10	CP-16QAM	H	Outer_Full	NV	30	-0.745269	-0.000883	PASS
N5	15	10	CP-16QAM	H	Outer_Full	NV	40	-2.684670	-0.003181	PASS
N5	15	10	CP-16QAM	H	Outer_Full	NV	50	-106.844063	-0.126592	PASS
N5	15	15	CP-QPSK	L	Outer_Full	NV	-30	-0.298722	-0.000359	PASS
N5	15	15	CP-QPSK	L	Outer_Full	NV	-20	2.656693	0.003195	PASS
N5	15	15	CP-QPSK	L	Outer_Full	NV	-10	-3.257740	-0.003918	PASS
N5	15	15	CP-QPSK	L	Outer_Full	NV	0	1.345680	0.001618	PASS
N5	15	15	CP-QPSK	L	Outer_Full	NV	10	7.001249	0.008420	PASS
N5	15	15	CP-QPSK	L	Outer_Full	NV	20	1.785948	0.002148	PASS
N5	15	15	CP-QPSK	L	Outer_Full	NV	30	-2.767305	-0.003328	PASS
N5	15	15	CP-QPSK	L	Outer_Full	NV	40	4.019716	0.004834	PASS
N5	15	15	CP-QPSK	L	Outer_Full	NV	50	-0.286466	-0.000345	PASS
N5	15	15	CP-16QAM	L	Outer_Full	NV	-30	5.212502	0.006269	PASS

N5	15	15	CP-16QAM	L	Outer_Full	NV	-20	2.549095	0.003066	PASS
N5	15	15	CP-16QAM	L	Outer_Full	NV	-10	-0.126188	-0.000152	PASS
N5	15	15	CP-16QAM	L	Outer_Full	NV	0	7.368918	0.008862	PASS
N5	15	15	CP-16QAM	L	Outer_Full	NV	10	5.246698	0.006310	PASS
N5	15	15	CP-16QAM	L	Outer_Full	NV	20	2.710604	0.003260	PASS
N5	15	15	CP-16QAM	L	Outer_Full	NV	30	-0.670602	-0.000806	PASS
N5	15	15	CP-16QAM	L	Outer_Full	NV	40	-2.796512	-0.003363	PASS
N5	15	15	CP-16QAM	L	Outer_Full	NV	50	5.021724	0.006039	PASS
N5	15	15	CP-QPSK	M	Outer_Full	NV	-30	-4.014538	-0.004799	PASS
N5	15	15	CP-QPSK	M	Outer_Full	NV	-20	-0.601033	-0.000719	PASS
N5	15	15	CP-QPSK	M	Outer_Full	NV	-10	-6.219163	-0.007435	PASS
N5	15	15	CP-QPSK	M	Outer_Full	NV	0	-0.735987	-0.000880	PASS
N5	15	15	CP-QPSK	M	Outer_Full	NV	10	-5.806532	-0.006941	PASS
N5	15	15	CP-QPSK	M	Outer_Full	NV	20	0.597527	0.000714	PASS
N5	15	15	CP-QPSK	M	Outer_Full	NV	30	-3.570500	-0.004268	PASS
N5	15	15	CP-QPSK	M	Outer_Full	NV	40	-6.431933	-0.007689	PASS
N5	15	15	CP-QPSK	M	Outer_Full	NV	50	0.002240	0.000003	PASS
N5	15	15	CP-16QAM	M	Outer_Full	NV	-30	-2.595844	-0.003103	PASS
N5	15	15	CP-16QAM	M	Outer_Full	NV	-20	-5.335249	-0.006378	PASS
N5	15	15	CP-16QAM	M	Outer_Full	NV	-10	3.030710	0.003623	PASS
N5	15	15	CP-16QAM	M	Outer_Full	NV	0	0.526910	0.000630	PASS
N5	15	15	CP-16QAM	M	Outer_Full	NV	10	-1.682664	-0.002012	PASS
N5	15	15	CP-16QAM	M	Outer_Full	NV	20	-4.227912	-0.005054	PASS
N5	15	15	CP-16QAM	M	Outer_Full	NV	30	-6.851387	-0.008191	PASS
N5	15	15	CP-16QAM	M	Outer_Full	NV	40	-9.120681	-0.010903	PASS
N5	15	15	CP-16QAM	M	Outer_Full	NV	50	-1.005403	-0.001202	PASS
N5	15	15	CP-QPSK	H	Outer_Full	NV	-30	2.191074	0.002604	PASS
N5	15	15	CP-QPSK	H	Outer_Full	NV	-20	-5.114938	-0.006078	PASS
N5	15	15	CP-QPSK	H	Outer_Full	NV	-10	0.262143	0.000312	PASS
N5	15	15	CP-QPSK	H	Outer_Full	NV	0	-4.837143	-0.005748	PASS
N5	15	15	CP-QPSK	H	Outer_Full	NV	10	-10.018675	-0.011906	PASS
N5	15	15	CP-QPSK	H	Outer_Full	NV	20	-4.335759	-0.005152	PASS
N5	15	15	CP-QPSK	H	Outer_Full	NV	30	-8.414218	-0.009999	PASS
N5	15	15	CP-QPSK	H	Outer_Full	NV	40	-0.749590	-0.000891	PASS
N5	15	15	CP-QPSK	H	Outer_Full	NV	50	-5.196931	-0.006176	PASS
N5	15	15	CP-16QAM	H	Outer_Full	NV	-30	-2.897567	-0.003443	PASS
N5	15	15	CP-16QAM	H	Outer_Full	NV	-20	-5.667424	-0.006735	PASS
N5	15	15	CP-16QAM	H	Outer_Full	NV	-10	-7.002289	-0.008321	PASS
N5	15	15	CP-16QAM	H	Outer_Full	NV	0	-6.619627	-0.007866	PASS
N5	15	15	CP-16QAM	H	Outer_Full	NV	10	-4.663875	-0.005542	PASS
N5	15	15	CP-16QAM	H	Outer_Full	NV	20	-1.350045	-0.001604	PASS

N5	15	15	CP-16QAM	H	Outer_Full	NV	30	-2.506613	-0.002979	PASS
N5	15	15	CP-16QAM	H	Outer_Full	NV	40	-0.847378	-0.001007	PASS
N5	15	15	CP-16QAM	H	Outer_Full	NV	50	-0.148630	-0.000177	PASS
N5	15	20	CP-QPSK	L	Outer_Full	NV	-30	-6.347451	-0.007611	PASS
N5	15	20	CP-QPSK	L	Outer_Full	NV	-20	-7.503128	-0.008997	PASS
N5	15	20	CP-QPSK	L	Outer_Full	NV	-10	-6.746347	-0.008089	PASS
N5	15	20	CP-QPSK	L	Outer_Full	NV	0	-3.830505	-0.004593	PASS
N5	15	20	CP-QPSK	L	Outer_Full	NV	10	-1.244904	-0.001493	PASS
N5	15	20	CP-QPSK	L	Outer_Full	NV	20	2.657885	0.003187	PASS
N5	15	20	CP-QPSK	L	Outer_Full	NV	30	-4.213872	-0.005053	PASS
N5	15	20	CP-QPSK	L	Outer_Full	NV	40	1.176395	0.001411	PASS
N5	15	20	CP-QPSK	L	Outer_Full	NV	50	-4.383205	-0.005256	PASS
N5	15	20	CP-16QAM	L	Outer_Full	NV	-30	-2.640414	-0.003166	PASS
N5	15	20	CP-16QAM	L	Outer_Full	NV	-20	-5.939959	-0.007122	PASS
N5	15	20	CP-16QAM	L	Outer_Full	NV	-10	2.301594	0.002760	PASS
N5	15	20	CP-16QAM	L	Outer_Full	NV	0	0.737880	0.000885	PASS
N5	15	20	CP-16QAM	L	Outer_Full	NV	10	-1.530332	-0.001835	PASS
N5	15	20	CP-16QAM	L	Outer_Full	NV	20	-3.594952	-0.004310	PASS
N5	15	20	CP-16QAM	L	Outer_Full	NV	30	-5.028552	-0.006029	PASS
N5	15	20	CP-16QAM	L	Outer_Full	NV	40	-5.241963	-0.006285	PASS
N5	15	20	CP-16QAM	L	Outer_Full	NV	50	-6.085603	-0.007297	PASS
N5	15	20	CP-QPSK	M	Outer_Full	NV	-30	-1.463081	-0.001749	PASS
N5	15	20	CP-QPSK	M	Outer_Full	NV	-20	-5.487008	-0.006559	PASS
N5	15	20	CP-QPSK	M	Outer_Full	NV	-10	2.392910	0.002861	PASS
N5	15	20	CP-QPSK	M	Outer_Full	NV	0	0.097810	0.000117	PASS
N5	15	20	CP-QPSK	M	Outer_Full	NV	10	-0.504221	-0.000603	PASS
N5	15	20	CP-QPSK	M	Outer_Full	NV	20	-1.761000	-0.002105	PASS
N5	15	20	CP-QPSK	M	Outer_Full	NV	30	-2.398143	-0.002867	PASS
N5	15	20	CP-QPSK	M	Outer_Full	NV	40	-1.860074	-0.002224	PASS
N5	15	20	CP-QPSK	M	Outer_Full	NV	50	-1.695234	-0.002027	PASS
N5	15	20	CP-16QAM	M	Outer_Full	NV	-30	0.208466	0.000249	PASS
N5	15	20	CP-16QAM	M	Outer_Full	NV	-20	2.369155	0.002832	PASS
N5	15	20	CP-16QAM	M	Outer_Full	NV	-10	-6.231179	-0.007449	PASS
N5	15	20	CP-16QAM	M	Outer_Full	NV	0	-4.503901	-0.005384	PASS
N5	15	20	CP-16QAM	M	Outer_Full	NV	10	-2.208458	-0.002640	PASS
N5	15	20	CP-16QAM	M	Outer_Full	NV	20	0.014729	0.000018	PASS
N5	15	20	CP-16QAM	M	Outer_Full	NV	30	-7.050853	-0.008429	PASS
N5	15	20	CP-16QAM	M	Outer_Full	NV	40	-4.560941	-0.005452	PASS
N5	15	20	CP-16QAM	M	Outer_Full	NV	50	-1.383622	-0.001654	PASS
N5	15	20	CP-QPSK	H	Outer_Full	NV	-30	0.604991	0.000721	PASS
N5	15	20	CP-QPSK	H	Outer_Full	NV	-20	-0.740402	-0.000882	PASS

N5	15	20	CP-QPSK	H	Outer_Full	NV	-10	-0.785124	-0.000936	PASS
N5	15	20	CP-QPSK	H	Outer_Full	NV	0	0.201676	0.000240	PASS
N5	15	20	CP-QPSK	H	Outer_Full	NV	10	1.596869	0.001903	PASS
N5	15	20	CP-QPSK	H	Outer_Full	NV	20	3.279930	0.003909	PASS
N5	15	20	CP-QPSK	H	Outer_Full	NV	30	5.568359	0.006637	PASS
N5	15	20	CP-QPSK	H	Outer_Full	NV	40	-1.722910	-0.002054	PASS
N5	15	20	CP-QPSK	H	Outer_Full	NV	50	2.013496	0.002400	PASS
N5	15	20	CP-16QAM	H	Outer_Full	NV	-30	3.859274	0.004600	PASS
N5	15	20	CP-16QAM	H	Outer_Full	NV	-20	-2.157180	-0.002571	PASS
N5	15	20	CP-16QAM	H	Outer_Full	NV	-10	2.469779	0.002944	PASS
N5	15	20	CP-16QAM	H	Outer_Full	NV	0	-3.913918	-0.004665	PASS
N5	15	20	CP-16QAM	H	Outer_Full	NV	10	1.369554	0.001632	PASS
N5	15	20	CP-16QAM	H	Outer_Full	NV	20	-4.566520	-0.005443	PASS
N5	15	20	CP-16QAM	H	Outer_Full	NV	30	0.919620	0.001096	PASS
N5	15	20	CP-16QAM	H	Outer_Full	NV	40	-4.558132	-0.005433	PASS
N5	15	20	CP-16QAM	H	Outer_Full	NV	50	1.553214	0.001851	PASS