















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	2.58	0.00	PASS
N5	15	5	CP-QPSK	L	Outer_Full	VN	NT	87.10	0.11	PASS
N5	15	5	CP-QPSK	L	Outer_Full	VH	NT	-93.24	-0.11	PASS
N5	15	5	CP-16QAM	L	Outer_Full	VL	NT	61.63	0.07	PASS
N5	15	5	CP-16QAM	L	Outer_Full	VN	NT	-43.74	-0.05	PASS
N5	15	5	CP-16QAM	L	Outer_Full	VH	NT	-5.01	-0.01	PASS
N5	15	5	CP-QPSK	M	Outer_Full	VL	NT	-4.89	-0.01	PASS
N5	15	5	CP-QPSK	M	Outer_Full	VN	NT	21.90	0.03	PASS
N5	15	5	CP-QPSK	M	Outer_Full	VH	NT	-5.52	-0.01	PASS
N5	15	5	CP-16QAM	M	Outer_Full	VL	NT	68.80	0.08	PASS
N5	15	5	CP-16QAM	M	Outer_Full	VN	NT	2.94	0.00	PASS
N5	15	5	CP-16QAM	M	Outer_Full	VH	NT	-78.06	-0.09	PASS
N5	15	5	CP-QPSK	H	Outer_Full	VL	NT	-2.53	0.00	PASS
N5	15	5	CP-QPSK	H	Outer_Full	VN	NT	1.31	0.00	PASS
N5	15	5	CP-QPSK	H	Outer_Full	VH	NT	6.04	0.01	PASS
N5	15	5	CP-16QAM	H	Outer_Full	VL	NT	-17.85	-0.02	PASS
N5	15	5	CP-16QAM	H	Outer_Full	VN	NT	-0.83	0.00	PASS
N5	15	5	CP-16QAM	H	Outer_Full	VH	NT	4.64	0.01	PASS
N5	15	10	CP-QPSK	L	Outer_Full	VL	NT	57.24	0.07	PASS
N5	15	10	CP-QPSK	L	Outer_Full	VN	NT	-69.73	-0.08	PASS
N5	15	10	CP-QPSK	L	Outer_Full	VH	NT	-4.71	-0.01	PASS
N5	15	10	CP-16QAM	L	Outer_Full	VL	NT	-55.33	-0.07	PASS
N5	15	10	CP-16QAM	L	Outer_Full	VN	NT	-20.18	-0.02	PASS
N5	15	10	CP-16QAM	L	Outer_Full	VH	NT	-12.69	-0.02	PASS
N5	15	10	CP-QPSK	M	Outer_Full	VL	NT	104.42	0.12	PASS
N5	15	10	CP-QPSK	M	Outer_Full	VN	NT	11.18	0.01	PASS
N5	15	10	CP-QPSK	M	Outer_Full	VH	NT	-3.90	0.00	PASS
N5	15	10	CP-16QAM	M	Outer_Full	VL	NT	-6.10	-0.01	PASS
N5	15	10	CP-16QAM	M	Outer_Full	VN	NT	112.13	0.13	PASS
N5	15	10	CP-16QAM	M	Outer_Full	VH	NT	121.22	0.14	PASS
N5	15	10	CP-QPSK	H	Outer_Full	VL	NT	4.34	0.01	PASS
N5	15	10	CP-QPSK	H	Outer_Full	VN	NT	-37.58	-0.04	PASS

N5	15	10	CP-QPSK	H	Outer_Full	VH	NT	-113.22	-0.13	PASS
N5	15	10	CP-16QAM	H	Outer_Full	VL	NT	-4.72	-0.01	PASS
N5	15	10	CP-16QAM	H	Outer_Full	VN	NT	2.43	0.00	PASS
N5	15	10	CP-16QAM	H	Outer_Full	VH	NT	0.41	0.00	PASS
N5	15	15	CP-QPSK	L	Outer_Full	VL	NT	39.21	0.05	PASS
N5	15	15	CP-QPSK	L	Outer_Full	VN	NT	-1.30	0.00	PASS
N5	15	15	CP-QPSK	L	Outer_Full	VH	NT	-4.05	0.00	PASS
N5	15	15	CP-16QAM	L	Outer_Full	VL	NT	4.56	0.01	PASS
N5	15	15	CP-16QAM	L	Outer_Full	VN	NT	75.49	0.09	PASS
N5	15	15	CP-16QAM	L	Outer_Full	VH	NT	-3.26	0.00	PASS
N5	15	15	CP-QPSK	M	Outer_Full	VL	NT	-66.06	-0.08	PASS
N5	15	15	CP-QPSK	M	Outer_Full	VN	NT	-5.35	-0.01	PASS
N5	15	15	CP-QPSK	M	Outer_Full	VH	NT	-7.33	-0.01	PASS
N5	15	15	CP-16QAM	M	Outer_Full	VL	NT	-3.43	0.00	PASS
N5	15	15	CP-16QAM	M	Outer_Full	VN	NT	30.62	0.04	PASS
N5	15	15	CP-16QAM	M	Outer_Full	VH	NT	83.64	0.10	PASS
N5	15	15	CP-QPSK	H	Outer_Full	VL	NT	46.87	0.06	PASS
N5	15	15	CP-QPSK	H	Outer_Full	VN	NT	120.25	0.14	PASS
N5	15	15	CP-QPSK	H	Outer_Full	VH	NT	-7.18	-0.01	PASS
N5	15	15	CP-16QAM	H	Outer_Full	VL	NT	-59.41	-0.07	PASS
N5	15	15	CP-16QAM	H	Outer_Full	VN	NT	61.64	0.07	PASS
N5	15	15	CP-16QAM	H	Outer_Full	VH	NT	0.88	0.00	PASS
N5	15	20	CP-QPSK	L	Outer_Full	VL	NT	-100.67	-0.12	PASS
N5	15	20	CP-QPSK	L	Outer_Full	VN	NT	21.17	0.03	PASS
N5	15	20	CP-QPSK	L	Outer_Full	VH	NT	66.56	0.08	PASS
N5	15	20	CP-16QAM	L	Outer_Full	VL	NT	-26.76	-0.03	PASS
N5	15	20	CP-16QAM	L	Outer_Full	VN	NT	-4.08	0.00	PASS
N5	15	20	CP-16QAM	L	Outer_Full	VH	NT	-8.00	-0.01	PASS
N5	15	20	CP-QPSK	M	Outer_Full	VL	NT	-8.74	-0.01	PASS
N5	15	20	CP-QPSK	M	Outer_Full	VN	NT	-19.46	-0.02	PASS
N5	15	20	CP-QPSK	M	Outer_Full	VH	NT	3.99	0.00	PASS
N5	15	20	CP-16QAM	M	Outer_Full	VL	NT	3.26	0.00	PASS
N5	15	20	CP-16QAM	M	Outer_Full	VN	NT	-0.04	0.00	PASS
N5	15	20	CP-16QAM	M	Outer_Full	VH	NT	-3.87	0.00	PASS
N5	15	20	CP-QPSK	H	Outer_Full	VL	NT	18.38	0.02	PASS
N5	15	20	CP-QPSK	H	Outer_Full	VN	NT	-72.49	-0.09	PASS
N5	15	20	CP-QPSK	H	Outer_Full	VH	NT	132.62	0.16	PASS
N5	15	20	CP-16QAM	H	Outer_Full	VL	NT	2.82	0.00	PASS
N5	15	20	CP-16QAM	H	Outer_Full	VN	NT	-0.72	0.00	PASS
N5	15	20	CP-16QAM	H	Outer_Full	VH	NT	6.62	0.01	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	64.693008	0.078273	PASS
N5	15	5	CP-QPSK	L	Outer_Full	NV	-20	-8.882524	-0.010747	PASS
N5	15	5	CP-QPSK	L	Outer_Full	NV	-10	81.777397	0.098944	PASS
N5	15	5	CP-QPSK	L	Outer_Full	NV	0	-43.645470	-0.052808	PASS
N5	15	5	CP-QPSK	L	Outer_Full	NV	10	-0.610135	-0.000738	PASS
N5	15	5	CP-QPSK	L	Outer_Full	NV	20	4.525738	0.005476	PASS
N5	15	5	CP-QPSK	L	Outer_Full	NV	30	9.068792	0.010973	PASS
N5	15	5	CP-QPSK	L	Outer_Full	NV	40	-5.114890	-0.006189	PASS
N5	15	5	CP-QPSK	L	Outer_Full	NV	50	80.449966	0.097338	PASS
N5	15	5	CP-16QAM	L	Outer_Full	NV	-30	-2.289853	-0.002771	PASS
N5	15	5	CP-16QAM	L	Outer_Full	NV	-20	100.959801	0.122153	PASS
N5	15	5	CP-16QAM	L	Outer_Full	NV	-10	2.763167	0.003343	PASS
N5	15	5	CP-16QAM	L	Outer_Full	NV	0	-4.165168	-0.005040	PASS
N5	15	5	CP-16QAM	L	Outer_Full	NV	10	-2.312645	-0.002798	PASS
N5	15	5	CP-16QAM	L	Outer_Full	NV	20	-0.129150	-0.000156	PASS
N5	15	5	CP-16QAM	L	Outer_Full	NV	30	6.737709	0.008152	PASS
N5	15	5	CP-16QAM	L	Outer_Full	NV	40	18.300907	0.022143	PASS
N5	15	5	CP-16QAM	L	Outer_Full	NV	50	-5.297274	-0.006409	PASS
N5	15	5	CP-QPSK	M	Outer_Full	NV	-30	-4.469242	-0.005343	PASS
N5	15	5	CP-QPSK	M	Outer_Full	NV	-20	-0.726173	-0.000868	PASS
N5	15	5	CP-QPSK	M	Outer_Full	NV	-10	-46.116806	-0.055131	PASS
N5	15	5	CP-QPSK	M	Outer_Full	NV	0	-37.969810	-0.045391	PASS
N5	15	5	CP-QPSK	M	Outer_Full	NV	10	-11.626173	-0.013899	PASS
N5	15	5	CP-QPSK	M	Outer_Full	NV	20	-3.110069	-0.003718	PASS
N5	15	5	CP-QPSK	M	Outer_Full	NV	30	-72.601379	-0.086792	PASS
N5	15	5	CP-QPSK	M	Outer_Full	NV	40	55.427181	0.066261	PASS
N5	15	5	CP-QPSK	M	Outer_Full	NV	50	1.954288	0.002336	PASS
N5	15	5	CP-16QAM	M	Outer_Full	NV	-30	-58.142883	-0.069507	PASS
N5	15	5	CP-16QAM	M	Outer_Full	NV	-20	-122.259895	-0.146156	PASS
N5	15	5	CP-16QAM	M	Outer_Full	NV	-10	19.351013	0.023133	PASS
N5	15	5	CP-16QAM	M	Outer_Full	NV	0	-1.326529	-0.001586	PASS
N5	15	5	CP-16QAM	M	Outer_Full	NV	10	-6.625454	-0.007920	PASS
N5	15	5	CP-16QAM	M	Outer_Full	NV	20	55.276562	0.066081	PASS
N5	15	5	CP-16QAM	M	Outer_Full	NV	30	-69.983612	-0.083662	PASS
N5	15	5	CP-16QAM	M	Outer_Full	NV	40	-0.831261	-0.000994	PASS
N5	15	5	CP-16QAM	M	Outer_Full	NV	50	-6.704236	-0.008015	PASS

N5	15	5	CP-QPSK	H	Outer_Full	NV	-30	3.668726	0.004334	PASS
N5	15	5	CP-QPSK	H	Outer_Full	NV	-20	55.831474	0.065956	PASS
N5	15	5	CP-QPSK	H	Outer_Full	NV	-10	4.309092	0.005090	PASS
N5	15	5	CP-QPSK	H	Outer_Full	NV	0	-14.861216	-0.017556	PASS
N5	15	5	CP-QPSK	H	Outer_Full	NV	10	9.437733	0.011149	PASS
N5	15	5	CP-QPSK	H	Outer_Full	NV	20	14.406967	0.017019	PASS
N5	15	5	CP-QPSK	H	Outer_Full	NV	30	45.618042	0.053890	PASS
N5	15	5	CP-QPSK	H	Outer_Full	NV	40	45.902988	0.054227	PASS
N5	15	5	CP-QPSK	H	Outer_Full	NV	50	5.225891	0.006174	PASS
N5	15	5	CP-16QAM	H	Outer_Full	NV	-30	-134.608429	-0.159018	PASS
N5	15	5	CP-16QAM	H	Outer_Full	NV	-20	1.001077	0.001183	PASS
N5	15	5	CP-16QAM	H	Outer_Full	NV	-10	26.875835	0.031749	PASS
N5	15	5	CP-16QAM	H	Outer_Full	NV	0	6.673553	0.007884	PASS
N5	15	5	CP-16QAM	H	Outer_Full	NV	10	8.179725	0.009663	PASS
N5	15	5	CP-16QAM	H	Outer_Full	NV	20	111.603142	0.131841	PASS
N5	15	5	CP-16QAM	H	Outer_Full	NV	30	-2.541998	-0.003003	PASS
N5	15	5	CP-16QAM	H	Outer_Full	NV	40	44.444847	0.052504	PASS
N5	15	5	CP-16QAM	H	Outer_Full	NV	50	3.355248	0.003964	PASS
N5	15	10	CP-QPSK	L	Outer_Full	NV	-30	-0.688019	-0.000830	PASS
N5	15	10	CP-QPSK	L	Outer_Full	NV	-20	-4.871504	-0.005876	PASS
N5	15	10	CP-QPSK	L	Outer_Full	NV	-10	28.161413	0.033970	PASS
N5	15	10	CP-QPSK	L	Outer_Full	NV	0	0.803148	0.000969	PASS
N5	15	10	CP-QPSK	L	Outer_Full	NV	10	-1.932923	-0.002332	PASS
N5	15	10	CP-QPSK	L	Outer_Full	NV	20	5.097414	0.006149	PASS
N5	15	10	CP-QPSK	L	Outer_Full	NV	30	14.594013	0.017604	PASS
N5	15	10	CP-QPSK	L	Outer_Full	NV	40	-24.754011	-0.029860	PASS
N5	15	10	CP-QPSK	L	Outer_Full	NV	50	3.372483	0.004068	PASS
N5	15	10	CP-16QAM	L	Outer_Full	NV	-30	-6.152888	-0.007422	PASS
N5	15	10	CP-16QAM	L	Outer_Full	NV	-20	-5.900421	-0.007118	PASS
N5	15	10	CP-16QAM	L	Outer_Full	NV	-10	3.366934	0.004061	PASS
N5	15	10	CP-16QAM	L	Outer_Full	NV	0	78.459274	0.094643	PASS
N5	15	10	CP-16QAM	L	Outer_Full	NV	10	-29.462662	-0.035540	PASS
N5	15	10	CP-16QAM	L	Outer_Full	NV	20	-26.826561	-0.032360	PASS
N5	15	10	CP-16QAM	L	Outer_Full	NV	30	-3.203226	-0.003864	PASS
N5	15	10	CP-16QAM	L	Outer_Full	NV	40	-2.875407	-0.003469	PASS
N5	15	10	CP-16QAM	L	Outer_Full	NV	50	5.358390	0.006464	PASS
N5	15	10	CP-QPSK	M	Outer_Full	NV	-30	82.382957	0.098485	PASS
N5	15	10	CP-QPSK	M	Outer_Full	NV	-20	-84.718628	-0.101277	PASS
N5	15	10	CP-QPSK	M	Outer_Full	NV	-10	-146.115250	-0.174675	PASS
N5	15	10	CP-QPSK	M	Outer_Full	NV	0	-60.520725	-0.072350	PASS
N5	15	10	CP-QPSK	M	Outer_Full	NV	10	-5.466289	-0.006535	PASS

N5	15	10	CP-QPSK	M	Outer_Full	NV	20	2.491748	0.002979	PASS
N5	15	10	CP-QPSK	M	Outer_Full	NV	30	-0.118656	-0.000142	PASS
N5	15	10	CP-QPSK	M	Outer_Full	NV	40	-2.099091	-0.002509	PASS
N5	15	10	CP-QPSK	M	Outer_Full	NV	50	29.009863	0.034680	PASS
N5	15	10	CP-16QAM	M	Outer_Full	NV	-30	0.550713	0.000658	PASS
N5	15	10	CP-16QAM	M	Outer_Full	NV	-20	-1.003700	-0.001200	PASS
N5	15	10	CP-16QAM	M	Outer_Full	NV	-10	0.834709	0.000998	PASS
N5	15	10	CP-16QAM	M	Outer_Full	NV	0	-2.347650	-0.002807	PASS
N5	15	10	CP-16QAM	M	Outer_Full	NV	10	38.728779	0.046299	PASS
N5	15	10	CP-16QAM	M	Outer_Full	NV	20	-4.343909	-0.005193	PASS
N5	15	10	CP-16QAM	M	Outer_Full	NV	30	-4.497995	-0.005377	PASS
N5	15	10	CP-16QAM	M	Outer_Full	NV	40	5.547432	0.006632	PASS
N5	15	10	CP-16QAM	M	Outer_Full	NV	50	-25.943499	-0.031014	PASS
N5	15	10	CP-QPSK	H	Outer_Full	NV	-30	-196.274826	-0.232553	PASS
N5	15	10	CP-QPSK	H	Outer_Full	NV	-20	-2.705784	-0.003206	PASS
N5	15	10	CP-QPSK	H	Outer_Full	NV	-10	39.271320	0.046530	PASS
N5	15	10	CP-QPSK	H	Outer_Full	NV	0	-24.331951	-0.028829	PASS
N5	15	10	CP-QPSK	H	Outer_Full	NV	10	-33.427666	-0.039606	PASS
N5	15	10	CP-QPSK	H	Outer_Full	NV	20	-1.903875	-0.002256	PASS
N5	15	10	CP-QPSK	H	Outer_Full	NV	30	78.911255	0.093497	PASS
N5	15	10	CP-QPSK	H	Outer_Full	NV	40	17.695230	0.020966	PASS
N5	15	10	CP-QPSK	H	Outer_Full	NV	50	-1.873299	-0.002220	PASS
N5	15	10	CP-16QAM	H	Outer_Full	NV	-30	-5.429331	-0.006433	PASS
N5	15	10	CP-16QAM	H	Outer_Full	NV	-20	-2.353812	-0.002789	PASS
N5	15	10	CP-16QAM	H	Outer_Full	NV	-10	-148.339661	-0.175758	PASS
N5	15	10	CP-16QAM	H	Outer_Full	NV	0	2.180099	0.002583	PASS
N5	15	10	CP-16QAM	H	Outer_Full	NV	10	-0.220625	-0.000261	PASS
N5	15	10	CP-16QAM	H	Outer_Full	NV	20	-1.067603	-0.001265	PASS
N5	15	10	CP-16QAM	H	Outer_Full	NV	30	-3.120143	-0.003697	PASS
N5	15	10	CP-16QAM	H	Outer_Full	NV	40	55.222797	0.065430	PASS
N5	15	10	CP-16QAM	H	Outer_Full	NV	50	-5.693936	-0.006746	PASS
N5	15	15	CP-QPSK	L	Outer_Full	NV	-30	6.487986	0.007803	PASS
N5	15	15	CP-QPSK	L	Outer_Full	NV	-20	-86.684708	-0.104251	PASS
N5	15	15	CP-QPSK	L	Outer_Full	NV	-10	0.772650	0.000929	PASS
N5	15	15	CP-QPSK	L	Outer_Full	NV	0	-79.050697	-0.095070	PASS
N5	15	15	CP-QPSK	L	Outer_Full	NV	10	-40.219936	-0.048370	PASS
N5	15	15	CP-QPSK	L	Outer_Full	NV	20	3.228864	0.003883	PASS
N5	15	15	CP-QPSK	L	Outer_Full	NV	30	-41.902203	-0.050394	PASS
N5	15	15	CP-QPSK	L	Outer_Full	NV	40	3.504680	0.004215	PASS
N5	15	15	CP-QPSK	L	Outer_Full	NV	50	42.433784	0.051033	PASS
N5	15	15	CP-16QAM	L	Outer_Full	NV	-30	-71.127571	-0.085541	PASS

N5	15	15	CP-16QAM	L	Outer_Full	NV	-20	80.505600	0.096820	PASS
N5	15	15	CP-16QAM	L	Outer_Full	NV	-10	-2.619845	-0.003151	PASS
N5	15	15	CP-16QAM	L	Outer_Full	NV	0	20.051579	0.024115	PASS
N5	15	15	CP-16QAM	L	Outer_Full	NV	10	56.400654	0.067830	PASS
N5	15	15	CP-16QAM	L	Outer_Full	NV	20	-21.072302	-0.025343	PASS
N5	15	15	CP-16QAM	L	Outer_Full	NV	30	0.983450	0.001183	PASS
N5	15	15	CP-16QAM	L	Outer_Full	NV	40	5.028091	0.006047	PASS
N5	15	15	CP-16QAM	L	Outer_Full	NV	50	2.098768	0.002524	PASS
N5	15	15	CP-QPSK	M	Outer_Full	NV	-30	-0.212233	-0.000254	PASS
N5	15	15	CP-QPSK	M	Outer_Full	NV	-20	-4.411055	-0.005273	PASS
N5	15	15	CP-QPSK	M	Outer_Full	NV	-10	36.067192	0.043117	PASS
N5	15	15	CP-QPSK	M	Outer_Full	NV	0	3.834933	0.004584	PASS
N5	15	15	CP-QPSK	M	Outer_Full	NV	10	-1.651207	-0.001974	PASS
N5	15	15	CP-QPSK	M	Outer_Full	NV	20	3.632697	0.004343	PASS
N5	15	15	CP-QPSK	M	Outer_Full	NV	30	-1.223262	-0.001462	PASS
N5	15	15	CP-QPSK	M	Outer_Full	NV	40	-61.698555	-0.073758	PASS
N5	15	15	CP-QPSK	M	Outer_Full	NV	50	96.577522	0.115454	PASS
N5	15	15	CP-16QAM	M	Outer_Full	NV	-30	-77.676834	-0.092859	PASS
N5	15	15	CP-16QAM	M	Outer_Full	NV	-20	-5.695279	-0.006808	PASS
N5	15	15	CP-16QAM	M	Outer_Full	NV	-10	2.942569	0.003518	PASS
N5	15	15	CP-16QAM	M	Outer_Full	NV	0	-0.056249	-0.000067	PASS
N5	15	15	CP-16QAM	M	Outer_Full	NV	10	-2.712212	-0.003242	PASS
N5	15	15	CP-16QAM	M	Outer_Full	NV	20	-72.885338	-0.087131	PASS
N5	15	15	CP-16QAM	M	Outer_Full	NV	30	3.323542	0.003973	PASS
N5	15	15	CP-16QAM	M	Outer_Full	NV	40	-0.692944	-0.000828	PASS
N5	15	15	CP-16QAM	M	Outer_Full	NV	50	-1.027783	-0.001229	PASS
N5	15	15	CP-QPSK	H	Outer_Full	NV	-30	-6.516960	-0.007744	PASS
N5	15	15	CP-QPSK	H	Outer_Full	NV	-20	-20.144169	-0.023938	PASS
N5	15	15	CP-QPSK	H	Outer_Full	NV	-10	-97.268448	-0.115589	PASS
N5	15	15	CP-QPSK	H	Outer_Full	NV	0	3.852511	0.004578	PASS
N5	15	15	CP-QPSK	H	Outer_Full	NV	10	-2.056730	-0.002444	PASS
N5	15	15	CP-QPSK	H	Outer_Full	NV	20	4.309390	0.005121	PASS
N5	15	15	CP-QPSK	H	Outer_Full	NV	30	5.287858	0.006284	PASS
N5	15	15	CP-QPSK	H	Outer_Full	NV	40	2.935556	0.003488	PASS
N5	15	15	CP-QPSK	H	Outer_Full	NV	50	-9.686089	-0.011511	PASS
N5	15	15	CP-16QAM	H	Outer_Full	NV	-30	-2.043195	-0.002428	PASS
N5	15	15	CP-16QAM	H	Outer_Full	NV	-20	66.691078	0.079253	PASS
N5	15	15	CP-16QAM	H	Outer_Full	NV	-10	-7.984428	-0.009488	PASS
N5	15	15	CP-16QAM	H	Outer_Full	NV	0	0.575059	0.000683	PASS
N5	15	15	CP-16QAM	H	Outer_Full	NV	10	-1.799262	-0.002138	PASS
N5	15	15	CP-16QAM	H	Outer_Full	NV	20	-3.719284	-0.004420	PASS

N5	15	15	CP-16QAM	H	Outer_Full	NV	30	4.633180	0.005506	PASS
N5	15	15	CP-16QAM	H	Outer_Full	NV	40	-66.626434	-0.079176	PASS
N5	15	15	CP-16QAM	H	Outer_Full	NV	50	0.688733	0.000818	PASS
N5	15	20	CP-QPSK	L	Outer_Full	NV	-30	2.478961	0.002972	PASS
N5	15	20	CP-QPSK	L	Outer_Full	NV	-20	-99.451065	-0.119246	PASS
N5	15	20	CP-QPSK	L	Outer_Full	NV	-10	-10.077889	-0.012084	PASS
N5	15	20	CP-QPSK	L	Outer_Full	NV	0	-0.858323	-0.001029	PASS
N5	15	20	CP-QPSK	L	Outer_Full	NV	10	-6.606478	-0.007921	PASS
N5	15	20	CP-QPSK	L	Outer_Full	NV	20	-1.348843	-0.001617	PASS
N5	15	20	CP-QPSK	L	Outer_Full	NV	30	-39.074223	-0.046852	PASS
N5	15	20	CP-QPSK	L	Outer_Full	NV	40	-0.971016	-0.001164	PASS
N5	15	20	CP-QPSK	L	Outer_Full	NV	50	-5.909974	-0.007086	PASS
N5	15	20	CP-16QAM	L	Outer_Full	NV	-30	-0.881807	-0.001057	PASS
N5	15	20	CP-16QAM	L	Outer_Full	NV	-20	-4.664629	-0.005593	PASS
N5	15	20	CP-16QAM	L	Outer_Full	NV	-10	2.943936	0.003530	PASS
N5	15	20	CP-16QAM	L	Outer_Full	NV	0	-0.413564	-0.000496	PASS
N5	15	20	CP-16QAM	L	Outer_Full	NV	10	-55.909374	-0.067038	PASS
N5	15	20	CP-16QAM	L	Outer_Full	NV	20	-6.064098	-0.007271	PASS
N5	15	20	CP-16QAM	L	Outer_Full	NV	30	-24.401974	-0.029259	PASS
N5	15	20	CP-16QAM	L	Outer_Full	NV	40	28.507715	0.034182	PASS
N5	15	20	CP-16QAM	L	Outer_Full	NV	50	-2.448436	-0.002936	PASS
N5	15	20	CP-QPSK	M	Outer_Full	NV	-30	3.550584	0.004245	PASS
N5	15	20	CP-QPSK	M	Outer_Full	NV	-20	-48.553555	-0.058044	PASS
N5	15	20	CP-QPSK	M	Outer_Full	NV	-10	-5.212751	-0.006232	PASS
N5	15	20	CP-QPSK	M	Outer_Full	NV	0	2.361305	0.002823	PASS
N5	15	20	CP-QPSK	M	Outer_Full	NV	10	-69.735390	-0.083366	PASS
N5	15	20	CP-QPSK	M	Outer_Full	NV	20	1.557793	0.001862	PASS
N5	15	20	CP-QPSK	M	Outer_Full	NV	30	-3.566278	-0.004263	PASS
N5	15	20	CP-QPSK	M	Outer_Full	NV	40	20.095856	0.024024	PASS
N5	15	20	CP-QPSK	M	Outer_Full	NV	50	-1.892033	-0.002262	PASS
N5	15	20	CP-16QAM	M	Outer_Full	NV	-30	2.133482	0.002550	PASS
N5	15	20	CP-16QAM	M	Outer_Full	NV	-20	0.545817	0.000653	PASS
N5	15	20	CP-16QAM	M	Outer_Full	NV	-10	-2.490159	-0.002977	PASS
N5	15	20	CP-16QAM	M	Outer_Full	NV	0	8.395766	0.010037	PASS
N5	15	20	CP-16QAM	M	Outer_Full	NV	10	56.146023	0.067120	PASS
N5	15	20	CP-16QAM	M	Outer_Full	NV	20	16.588766	0.019831	PASS
N5	15	20	CP-16QAM	M	Outer_Full	NV	30	-2.290625	-0.002738	PASS
N5	15	20	CP-16QAM	M	Outer_Full	NV	40	25.994238	0.031075	PASS
N5	15	20	CP-16QAM	M	Outer_Full	NV	50	-49.570671	-0.059260	PASS
N5	15	20	CP-QPSK	H	Outer_Full	NV	-30	55.437878	0.066076	PASS
N5	15	20	CP-QPSK	H	Outer_Full	NV	-20	-44.800125	-0.053397	PASS

N5	15	20	CP-QPSK	H	Outer_Full	NV	-10	117.107025	0.139579	PASS
N5	15	20	CP-QPSK	H	Outer_Full	NV	0	76.623802	0.091328	PASS
N5	15	20	CP-QPSK	H	Outer_Full	NV	10	6.305306	0.007515	PASS
N5	15	20	CP-QPSK	H	Outer_Full	NV	20	72.786713	0.086754	PASS
N5	15	20	CP-QPSK	H	Outer_Full	NV	30	96.909386	0.115506	PASS
N5	15	20	CP-QPSK	H	Outer_Full	NV	40	1.430871	0.001705	PASS
N5	15	20	CP-QPSK	H	Outer_Full	NV	50	8.467089	0.010092	PASS
N5	15	20	CP-16QAM	H	Outer_Full	NV	-30	3.350263	0.003993	PASS
N5	15	20	CP-16QAM	H	Outer_Full	NV	-20	28.318787	0.033753	PASS
N5	15	20	CP-16QAM	H	Outer_Full	NV	-10	13.329452	0.015887	PASS
N5	15	20	CP-16QAM	H	Outer_Full	NV	0	-4.820430	-0.005745	PASS
N5	15	20	CP-16QAM	H	Outer_Full	NV	10	-12.483621	-0.014879	PASS
N5	15	20	CP-16QAM	H	Outer_Full	NV	20	1.014457	0.001209	PASS
N5	15	20	CP-16QAM	H	Outer_Full	NV	30	-1.018872	-0.001214	PASS
N5	15	20	CP-16QAM	H	Outer_Full	NV	40	92.399109	0.110130	PASS
N5	15	20	CP-16QAM	H	Outer_Full	NV	50	-3.677464	-0.004383	PASS