

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	DFT-QPSK	L	Outer_Full	VL	NT	-2.42	0.00	PASS
N5	15	5	DFT-QPSK	L	Outer_Full	VN	NT	-3.07	0.00	PASS
N5	15	5	DFT-QPSK	L	Outer_Full	VH	NT	-90.99	-0.11	PASS
N5	15	5	DFT-16QAM	L	Outer_Full	VL	NT	-8.39	-0.01	PASS
N5	15	5	DFT-16QAM	L	Outer_Full	VN	NT	-11.20	-0.01	PASS
N5	15	5	DFT-16QAM	L	Outer_Full	VH	NT	-3.42	0.00	PASS
N5	15	5	DFT-QPSK	M	Outer_Full	VL	NT	-4.45	-0.01	PASS
N5	15	5	DFT-QPSK	M	Outer_Full	VN	NT	-3.93	0.00	PASS
N5	15	5	DFT-QPSK	M	Outer_Full	VH	NT	23.23	0.03	PASS
N5	15	5	DFT-16QAM	M	Outer_Full	VL	NT	-4.70	-0.01	PASS
N5	15	5	DFT-16QAM	M	Outer_Full	VN	NT	5.77	0.01	PASS
N5	15	5	DFT-16QAM	M	Outer_Full	VH	NT	-3.92	0.00	PASS
N5	15	5	DFT-QPSK	H	Outer_Full	VL	NT	14.02	0.02	PASS
N5	15	5	DFT-QPSK	H	Outer_Full	VN	NT	-4.23	0.00	PASS
N5	15	5	DFT-QPSK	H	Outer_Full	VH	NT	92.71	0.11	PASS
N5	15	5	DFT-16QAM	H	Outer_Full	VL	NT	-17.35	-0.02	PASS
N5	15	5	DFT-16QAM	H	Outer_Full	VN	NT	-4.01	0.00	PASS
N5	15	5	DFT-16QAM	H	Outer_Full	VH	NT	-3.89	0.00	PASS
N5	15	10	DFT-QPSK	L	Outer_Full	VL	NT	-3.77	0.00	PASS
N5	15	10	DFT-QPSK	L	Outer_Full	VN	NT	-4.95	-0.01	PASS
N5	15	10	DFT-QPSK	L	Outer_Full	VH	NT	-4.92	-0.01	PASS
N5	15	10	DFT-16QAM	L	Outer_Full	VL	NT	22.39	0.03	PASS
N5	15	10	DFT-16QAM	L	Outer_Full	VN	NT	-5.19	-0.01	PASS
N5	15	10	DFT-16QAM	L	Outer_Full	VH	NT	70.41	0.08	PASS
N5	15	10	DFT-QPSK	M	Outer_Full	VL	NT	-9.01	-0.01	PASS
N5	15	10	DFT-QPSK	M	Outer_Full	VN	NT	-10.98	-0.01	PASS
N5	15	10	DFT-QPSK	M	Outer_Full	VH	NT	-8.76	-0.01	PASS
N5	15	10	DFT-16QAM	M	Outer_Full	VL	NT	29.39	0.04	PASS
N5	15	10	DFT-16QAM	M	Outer_Full	VN	NT	-7.22	-0.01	PASS
N5	15	10	DFT-16QAM	M	Outer_Full	VH	NT	-8.22	-0.01	PASS
N5	15	10	DFT-QPSK	H	Outer_Full	VL	NT	-3.42	0.00	PASS
N5	15	10	DFT-QPSK	H	Outer_Full	VN	NT	-6.61	-0.01	PASS

N5	15	10	DFT-QPSK	H	Outer_Full	VH	NT	-7.08	-0.01	PASS
N5	15	10	DFT-16QAM	H	Outer_Full	VL	NT	-5.13	-0.01	PASS
N5	15	10	DFT-16QAM	H	Outer_Full	VN	NT	-5.56	-0.01	PASS
N5	15	10	DFT-16QAM	H	Outer_Full	VH	NT	6.93	0.01	PASS
N5	15	15	DFT-QPSK	L	Outer_Full	VL	NT	-2.75	0.00	PASS
N5	15	15	DFT-QPSK	L	Outer_Full	VN	NT	-6.30	-0.01	PASS
N5	15	15	DFT-QPSK	L	Outer_Full	VH	NT	29.68	0.04	PASS
N5	15	15	DFT-16QAM	L	Outer_Full	VL	NT	-9.24	-0.01	PASS
N5	15	15	DFT-16QAM	L	Outer_Full	VN	NT	-85.46	-0.10	PASS
N5	15	15	DFT-16QAM	L	Outer_Full	VH	NT	-7.21	-0.01	PASS
N5	15	15	DFT-QPSK	M	Outer_Full	VL	NT	-67.70	-0.08	PASS
N5	15	15	DFT-QPSK	M	Outer_Full	VN	NT	-7.12	-0.01	PASS
N5	15	15	DFT-QPSK	M	Outer_Full	VH	NT	-7.11	-0.01	PASS
N5	15	15	DFT-16QAM	M	Outer_Full	VL	NT	-8.29	-0.01	PASS
N5	15	15	DFT-16QAM	M	Outer_Full	VN	NT	-4.98	-0.01	PASS
N5	15	15	DFT-16QAM	M	Outer_Full	VH	NT	-8.38	-0.01	PASS
N5	15	15	DFT-QPSK	H	Outer_Full	VL	NT	-78.23	-0.09	PASS
N5	15	15	DFT-QPSK	H	Outer_Full	VN	NT	-4.56	-0.01	PASS
N5	15	15	DFT-QPSK	H	Outer_Full	VH	NT	-4.01	0.00	PASS
N5	15	15	DFT-16QAM	H	Outer_Full	VL	NT	62.93	0.07	PASS
N5	15	15	DFT-16QAM	H	Outer_Full	VN	NT	-6.57	-0.01	PASS
N5	15	15	DFT-16QAM	H	Outer_Full	VH	NT	-5.18	-0.01	PASS
N5	15	20	DFT-QPSK	L	Outer_Full	VL	NT	-3.25	0.00	PASS
N5	15	20	DFT-QPSK	L	Outer_Full	VN	NT	16.34	0.02	PASS
N5	15	20	DFT-QPSK	L	Outer_Full	VH	NT	-113.78	-0.14	PASS
N5	15	20	DFT-16QAM	L	Outer_Full	VL	NT	-5.34	-0.01	PASS
N5	15	20	DFT-16QAM	L	Outer_Full	VN	NT	-3.06	0.00	PASS
N5	15	20	DFT-16QAM	L	Outer_Full	VH	NT	30.61	0.04	PASS
N5	15	20	DFT-QPSK	M	Outer_Full	VL	NT	-40.75	-0.05	PASS
N5	15	20	DFT-QPSK	M	Outer_Full	VN	NT	-8.16	-0.01	PASS
N5	15	20	DFT-QPSK	M	Outer_Full	VH	NT	-14.29	-0.02	PASS
N5	15	20	DFT-16QAM	M	Outer_Full	VL	NT	-5.24	-0.01	PASS
N5	15	20	DFT-16QAM	M	Outer_Full	VN	NT	24.37	0.03	PASS
N5	15	20	DFT-16QAM	M	Outer_Full	VH	NT	56.65	0.07	PASS
N5	15	20	DFT-QPSK	H	Outer_Full	VL	NT	66.52	0.08	PASS
N5	15	20	DFT-QPSK	H	Outer_Full	VN	NT	-2.75	0.00	PASS
N5	15	20	DFT-QPSK	H	Outer_Full	VH	NT	-19.50	-0.02	PASS
N5	15	20	DFT-16QAM	H	Outer_Full	VL	NT	-1.71	0.00	PASS
N5	15	20	DFT-16QAM	H	Outer_Full	VN	NT	0.01	0.00	PASS
N5	15	20	DFT-16QAM	H	Outer_Full	VH	NT	-2.25	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	DFT-QPSK	L	Outer_Full	NV	-30	-4.332925	-0.005242	PASS
N5	15	5	DFT-QPSK	L	Outer_Full	NV	-20	23.780375	0.028772	PASS
N5	15	5	DFT-QPSK	L	Outer_Full	NV	-10	18.478535	0.022358	PASS
N5	15	5	DFT-QPSK	L	Outer_Full	NV	0	-6.927725	-0.008382	PASS
N5	15	5	DFT-QPSK	L	Outer_Full	NV	10	-25.243723	-0.030543	PASS
N5	15	5	DFT-QPSK	L	Outer_Full	NV	20	-55.494690	-0.067144	PASS
N5	15	5	DFT-QPSK	L	Outer_Full	NV	30	45.875748	0.055506	PASS
N5	15	5	DFT-QPSK	L	Outer_Full	NV	40	-4.226898	-0.005114	PASS
N5	15	5	DFT-QPSK	L	Outer_Full	NV	50	92.897850	0.112399	PASS
N5	15	5	DFT-16QAM	L	Outer_Full	NV	-30	29.972586	0.036264	PASS
N5	15	5	DFT-16QAM	L	Outer_Full	NV	-20	-2.700087	-0.003267	PASS
N5	15	5	DFT-16QAM	L	Outer_Full	NV	-10	-3.237724	-0.003917	PASS
N5	15	5	DFT-16QAM	L	Outer_Full	NV	0	-3.634145	-0.004397	PASS
N5	15	5	DFT-16QAM	L	Outer_Full	NV	10	1.560945	0.001889	PASS
N5	15	5	DFT-16QAM	L	Outer_Full	NV	20	31.324743	0.037900	PASS
N5	15	5	DFT-16QAM	L	Outer_Full	NV	30	26.675003	0.032275	PASS
N5	15	5	DFT-16QAM	L	Outer_Full	NV	40	-46.486435	-0.056245	PASS
N5	15	5	DFT-16QAM	L	Outer_Full	NV	50	19.655336	0.023781	PASS
N5	15	5	DFT-QPSK	M	Outer_Full	NV	-30	-60.218143	-0.071988	PASS
N5	15	5	DFT-QPSK	M	Outer_Full	NV	-20	-7.261902	-0.008681	PASS
N5	15	5	DFT-QPSK	M	Outer_Full	NV	-10	-4.429705	-0.005296	PASS
N5	15	5	DFT-QPSK	M	Outer_Full	NV	0	-1.743223	-0.002084	PASS
N5	15	5	DFT-QPSK	M	Outer_Full	NV	10	-88.439262	-0.105725	PASS
N5	15	5	DFT-QPSK	M	Outer_Full	NV	20	-3.819310	-0.004566	PASS
N5	15	5	DFT-QPSK	M	Outer_Full	NV	30	-6.442800	-0.007702	PASS
N5	15	5	DFT-QPSK	M	Outer_Full	NV	40	-91.881203	-0.109840	PASS
N5	15	5	DFT-QPSK	M	Outer_Full	NV	50	-7.296613	-0.008723	PASS
N5	15	5	DFT-16QAM	M	Outer_Full	NV	-30	-6.005960	-0.007180	PASS
N5	15	5	DFT-16QAM	M	Outer_Full	NV	-20	-6.988111	-0.008354	PASS
N5	15	5	DFT-16QAM	M	Outer_Full	NV	-10	-30.218952	-0.036125	PASS
N5	15	5	DFT-16QAM	M	Outer_Full	NV	0	-52.752602	-0.063063	PASS
N5	15	5	DFT-16QAM	M	Outer_Full	NV	10	-6.771697	-0.008095	PASS
N5	15	5	DFT-16QAM	M	Outer_Full	NV	20	-4.329877	-0.005176	PASS
N5	15	5	DFT-16QAM	M	Outer_Full	NV	30	-6.384706	-0.007633	PASS
N5	15	5	DFT-16QAM	M	Outer_Full	NV	40	-163.130386	-0.195015	PASS
N5	15	5	DFT-16QAM	M	Outer_Full	NV	50	-3.602263	-0.004306	PASS

N5	15	5	DFT-QPSK	H	Outer_Full	NV	-30	-5.658803	-0.006685	PASS
N5	15	5	DFT-QPSK	H	Outer_Full	NV	-20	-4.472892	-0.005284	PASS
N5	15	5	DFT-QPSK	H	Outer_Full	NV	-10	-3.758917	-0.004441	PASS
N5	15	5	DFT-QPSK	H	Outer_Full	NV	0	-3.562905	-0.004209	PASS
N5	15	5	DFT-QPSK	H	Outer_Full	NV	10	-3.091346	-0.003652	PASS
N5	15	5	DFT-QPSK	H	Outer_Full	NV	20	-4.063048	-0.004800	PASS
N5	15	5	DFT-QPSK	H	Outer_Full	NV	30	-4.918209	-0.005810	PASS
N5	15	5	DFT-QPSK	H	Outer_Full	NV	40	12.214448	0.014429	PASS
N5	15	5	DFT-QPSK	H	Outer_Full	NV	50	-89.576324	-0.105820	PASS
N5	15	5	DFT-16QAM	H	Outer_Full	NV	-30	-16.228710	-0.019172	PASS
N5	15	5	DFT-16QAM	H	Outer_Full	NV	-20	33.913631	0.040063	PASS
N5	15	5	DFT-16QAM	H	Outer_Full	NV	-10	-3.216907	-0.003800	PASS
N5	15	5	DFT-16QAM	H	Outer_Full	NV	0	-3.730791	-0.004407	PASS
N5	15	5	DFT-16QAM	H	Outer_Full	NV	10	-3.006723	-0.003552	PASS
N5	15	5	DFT-16QAM	H	Outer_Full	NV	20	11.258094	0.013300	PASS
N5	15	5	DFT-16QAM	H	Outer_Full	NV	30	-4.150359	-0.004903	PASS
N5	15	5	DFT-16QAM	H	Outer_Full	NV	40	-5.154570	-0.006089	PASS
N5	15	5	DFT-16QAM	H	Outer_Full	NV	50	-2.476244	-0.002925	PASS
N5	15	10	DFT-QPSK	L	Outer_Full	NV	-30	-4.822681	-0.005817	PASS
N5	15	10	DFT-QPSK	L	Outer_Full	NV	-20	-5.004740	-0.006037	PASS
N5	15	10	DFT-QPSK	L	Outer_Full	NV	-10	-6.559286	-0.007912	PASS
N5	15	10	DFT-QPSK	L	Outer_Full	NV	0	-42.271240	-0.050991	PASS
N5	15	10	DFT-QPSK	L	Outer_Full	NV	10	-6.523963	-0.007870	PASS
N5	15	10	DFT-QPSK	L	Outer_Full	NV	20	-6.049544	-0.007297	PASS
N5	15	10	DFT-QPSK	L	Outer_Full	NV	30	-5.598073	-0.006753	PASS
N5	15	10	DFT-QPSK	L	Outer_Full	NV	40	10.568708	0.012749	PASS
N5	15	10	DFT-QPSK	L	Outer_Full	NV	50	-1.445839	-0.001744	PASS
N5	15	10	DFT-16QAM	L	Outer_Full	NV	-30	19.762905	0.023839	PASS
N5	15	10	DFT-16QAM	L	Outer_Full	NV	-20	-4.084984	-0.004928	PASS
N5	15	10	DFT-16QAM	L	Outer_Full	NV	-10	-2.390693	-0.002884	PASS
N5	15	10	DFT-16QAM	L	Outer_Full	NV	0	-4.517602	-0.005449	PASS
N5	15	10	DFT-16QAM	L	Outer_Full	NV	10	-32.188236	-0.038828	PASS
N5	15	10	DFT-16QAM	L	Outer_Full	NV	20	-4.800278	-0.005790	PASS
N5	15	10	DFT-16QAM	L	Outer_Full	NV	30	-4.253930	-0.005131	PASS
N5	15	10	DFT-16QAM	L	Outer_Full	NV	40	-3.501830	-0.004224	PASS
N5	15	10	DFT-16QAM	L	Outer_Full	NV	50	-3.669798	-0.004427	PASS
N5	15	10	DFT-QPSK	M	Outer_Full	NV	-30	-36.211750	-0.043290	PASS
N5	15	10	DFT-QPSK	M	Outer_Full	NV	-20	25.876593	0.030934	PASS
N5	15	10	DFT-QPSK	M	Outer_Full	NV	-10	-8.289409	-0.009910	PASS
N5	15	10	DFT-QPSK	M	Outer_Full	NV	0	-9.038137	-0.010805	PASS
N5	15	10	DFT-QPSK	M	Outer_Full	NV	10	61.804535	0.073885	PASS

N5	15	10	DFT-QPSK	M	Outer_Full	NV	20	-16.448198	-0.019663	PASS
N5	15	10	DFT-QPSK	M	Outer_Full	NV	30	13.205807	0.015787	PASS
N5	15	10	DFT-QPSK	M	Outer_Full	NV	40	-9.557138	-0.011425	PASS
N5	15	10	DFT-QPSK	M	Outer_Full	NV	50	-7.535862	-0.009009	PASS
N5	15	10	DFT-16QAM	M	Outer_Full	NV	-30	-87.771027	-0.104927	PASS
N5	15	10	DFT-16QAM	M	Outer_Full	NV	-20	-53.212482	-0.063613	PASS
N5	15	10	DFT-16QAM	M	Outer_Full	NV	-10	191.330200	0.228727	PASS
N5	15	10	DFT-16QAM	M	Outer_Full	NV	0	-9.254870	-0.011064	PASS
N5	15	10	DFT-16QAM	M	Outer_Full	NV	10	-9.653825	-0.011541	PASS
N5	15	10	DFT-16QAM	M	Outer_Full	NV	20	14.961241	0.017886	PASS
N5	15	10	DFT-16QAM	M	Outer_Full	NV	30	-118.200501	-0.141304	PASS
N5	15	10	DFT-16QAM	M	Outer_Full	NV	40	-9.508770	-0.011367	PASS
N5	15	10	DFT-16QAM	M	Outer_Full	NV	50	83.513344	0.099837	PASS
N5	15	10	DFT-QPSK	H	Outer_Full	NV	-30	-6.409409	-0.007594	PASS
N5	15	10	DFT-QPSK	H	Outer_Full	NV	-20	-5.892960	-0.006982	PASS
N5	15	10	DFT-QPSK	H	Outer_Full	NV	-10	-44.647434	-0.052900	PASS
N5	15	10	DFT-QPSK	H	Outer_Full	NV	0	51.879871	0.061469	PASS
N5	15	10	DFT-QPSK	H	Outer_Full	NV	10	41.793816	0.049519	PASS
N5	15	10	DFT-QPSK	H	Outer_Full	NV	20	-117.733536	-0.139495	PASS
N5	15	10	DFT-QPSK	H	Outer_Full	NV	30	-73.351501	-0.086909	PASS
N5	15	10	DFT-QPSK	H	Outer_Full	NV	40	-4.740335	-0.005617	PASS
N5	15	10	DFT-QPSK	H	Outer_Full	NV	50	-5.753069	-0.006816	PASS
N5	15	10	DFT-16QAM	H	Outer_Full	NV	-30	39.037846	0.046253	PASS
N5	15	10	DFT-16QAM	H	Outer_Full	NV	-20	-65.868576	-0.078043	PASS
N5	15	10	DFT-16QAM	H	Outer_Full	NV	-10	-5.332029	-0.006318	PASS
N5	15	10	DFT-16QAM	H	Outer_Full	NV	0	17.119410	0.020284	PASS
N5	15	10	DFT-16QAM	H	Outer_Full	NV	10	-5.113938	-0.006059	PASS
N5	15	10	DFT-16QAM	H	Outer_Full	NV	20	-3.684094	-0.004365	PASS
N5	15	10	DFT-16QAM	H	Outer_Full	NV	30	-24.130783	-0.028591	PASS
N5	15	10	DFT-16QAM	H	Outer_Full	NV	40	70.166817	0.083136	PASS
N5	15	10	DFT-16QAM	H	Outer_Full	NV	50	-99.614365	-0.118026	PASS
N5	15	15	DFT-QPSK	L	Outer_Full	NV	-30	50.447170	0.060670	PASS
N5	15	15	DFT-QPSK	L	Outer_Full	NV	-20	-5.580942	-0.006712	PASS
N5	15	15	DFT-QPSK	L	Outer_Full	NV	-10	-7.867975	-0.009462	PASS
N5	15	15	DFT-QPSK	L	Outer_Full	NV	0	-6.362120	-0.007651	PASS
N5	15	15	DFT-QPSK	L	Outer_Full	NV	10	-5.132493	-0.006173	PASS
N5	15	15	DFT-QPSK	L	Outer_Full	NV	20	18.457310	0.022198	PASS
N5	15	15	DFT-QPSK	L	Outer_Full	NV	30	-5.108717	-0.006144	PASS
N5	15	15	DFT-QPSK	L	Outer_Full	NV	40	-7.448297	-0.008958	PASS
N5	15	15	DFT-QPSK	L	Outer_Full	NV	50	-9.142877	-0.010996	PASS
N5	15	15	DFT-16QAM	L	Outer_Full	NV	-30	-7.799557	-0.009380	PASS

N5	15	15	DFT-16QAM	L	Outer_Full	NV	-20	-5.756012	-0.006922	PASS
N5	15	15	DFT-16QAM	L	Outer_Full	NV	-10	-73.209709	-0.088045	PASS
N5	15	15	DFT-16QAM	L	Outer_Full	NV	0	-6.832604	-0.008217	PASS
N5	15	15	DFT-16QAM	L	Outer_Full	NV	10	-48.930428	-0.058846	PASS
N5	15	15	DFT-16QAM	L	Outer_Full	NV	20	96.906586	0.116544	PASS
N5	15	15	DFT-16QAM	L	Outer_Full	NV	30	-6.938727	-0.008345	PASS
N5	15	15	DFT-16QAM	L	Outer_Full	NV	40	71.726028	0.086261	PASS
N5	15	15	DFT-16QAM	L	Outer_Full	NV	50	-95.346153	-0.114668	PASS
N5	15	15	DFT-QPSK	M	Outer_Full	NV	-30	6.870549	0.008213	PASS
N5	15	15	DFT-QPSK	M	Outer_Full	NV	-20	-9.733521	-0.011636	PASS
N5	15	15	DFT-QPSK	M	Outer_Full	NV	-10	-9.098772	-0.010877	PASS
N5	15	15	DFT-QPSK	M	Outer_Full	NV	0	27.342075	0.032686	PASS
N5	15	15	DFT-QPSK	M	Outer_Full	NV	10	-8.872586	-0.010607	PASS
N5	15	15	DFT-QPSK	M	Outer_Full	NV	20	41.503010	0.049615	PASS
N5	15	15	DFT-QPSK	M	Outer_Full	NV	30	-57.311470	-0.068513	PASS
N5	15	15	DFT-QPSK	M	Outer_Full	NV	40	-8.954387	-0.010705	PASS
N5	15	15	DFT-QPSK	M	Outer_Full	NV	50	71.573311	0.085563	PASS
N5	15	15	DFT-16QAM	M	Outer_Full	NV	-30	-10.157484	-0.012143	PASS
N5	15	15	DFT-16QAM	M	Outer_Full	NV	-20	26.663326	0.031875	PASS
N5	15	15	DFT-16QAM	M	Outer_Full	NV	-10	-6.486041	-0.007754	PASS
N5	15	15	DFT-16QAM	M	Outer_Full	NV	0	-103.458519	-0.123680	PASS
N5	15	15	DFT-16QAM	M	Outer_Full	NV	10	-10.307506	-0.012322	PASS
N5	15	15	DFT-16QAM	M	Outer_Full	NV	20	-10.032187	-0.011993	PASS
N5	15	15	DFT-16QAM	M	Outer_Full	NV	30	-10.448157	-0.012490	PASS
N5	15	15	DFT-16QAM	M	Outer_Full	NV	40	-5.665369	-0.006773	PASS
N5	15	15	DFT-16QAM	M	Outer_Full	NV	50	-7.922211	-0.009471	PASS
N5	15	15	DFT-QPSK	H	Outer_Full	NV	-30	-4.647338	-0.005523	PASS
N5	15	15	DFT-QPSK	H	Outer_Full	NV	-20	25.096270	0.029823	PASS
N5	15	15	DFT-QPSK	H	Outer_Full	NV	-10	-7.567780	-0.008993	PASS
N5	15	15	DFT-QPSK	H	Outer_Full	NV	0	20.643642	0.024532	PASS
N5	15	15	DFT-QPSK	H	Outer_Full	NV	10	-5.167005	-0.006140	PASS
N5	15	15	DFT-QPSK	H	Outer_Full	NV	20	72.606377	0.086282	PASS
N5	15	15	DFT-QPSK	H	Outer_Full	NV	30	61.179970	0.072703	PASS
N5	15	15	DFT-QPSK	H	Outer_Full	NV	40	63.441494	0.075391	PASS
N5	15	15	DFT-QPSK	H	Outer_Full	NV	50	-3.854389	-0.004580	PASS
N5	15	15	DFT-16QAM	H	Outer_Full	NV	-30	-56.948849	-0.067675	PASS
N5	15	15	DFT-16QAM	H	Outer_Full	NV	-20	-118.247276	-0.140520	PASS
N5	15	15	DFT-16QAM	H	Outer_Full	NV	-10	-5.850019	-0.006952	PASS
N5	15	15	DFT-16QAM	H	Outer_Full	NV	0	-27.125347	-0.032235	PASS
N5	15	15	DFT-16QAM	H	Outer_Full	NV	10	-3.072474	-0.003651	PASS
N5	15	15	DFT-16QAM	H	Outer_Full	NV	20	-4.722504	-0.005612	PASS

N5	15	15	DFT-16QAM	H	Outer_Full	NV	30	-79.643913	-0.094645	PASS
N5	15	15	DFT-16QAM	H	Outer_Full	NV	40	-4.564390	-0.005424	PASS
N5	15	15	DFT-16QAM	H	Outer_Full	NV	50	-3.865890	-0.004594	PASS
N5	15	20	DFT-QPSK	L	Outer_Full	NV	-30	-4.421191	-0.005301	PASS
N5	15	20	DFT-QPSK	L	Outer_Full	NV	-20	-4.068297	-0.004878	PASS
N5	15	20	DFT-QPSK	L	Outer_Full	NV	-10	-70.143631	-0.084105	PASS
N5	15	20	DFT-QPSK	L	Outer_Full	NV	0	-23.316942	-0.027958	PASS
N5	15	20	DFT-QPSK	L	Outer_Full	NV	10	-0.425243	-0.000510	PASS
N5	15	20	DFT-QPSK	L	Outer_Full	NV	20	116.827126	0.140080	PASS
N5	15	20	DFT-QPSK	L	Outer_Full	NV	30	11.546233	0.013844	PASS
N5	15	20	DFT-QPSK	L	Outer_Full	NV	40	-31.433769	-0.037690	PASS
N5	15	20	DFT-QPSK	L	Outer_Full	NV	50	-3.658043	-0.004386	PASS
N5	15	20	DFT-16QAM	L	Outer_Full	NV	-30	-2.396856	-0.002874	PASS
N5	15	20	DFT-16QAM	L	Outer_Full	NV	-20	-3.812471	-0.004571	PASS
N5	15	20	DFT-16QAM	L	Outer_Full	NV	-10	-3.002923	-0.003601	PASS
N5	15	20	DFT-16QAM	L	Outer_Full	NV	0	-4.220455	-0.005060	PASS
N5	15	20	DFT-16QAM	L	Outer_Full	NV	10	-5.308589	-0.006365	PASS
N5	15	20	DFT-16QAM	L	Outer_Full	NV	20	-120.343353	-0.144297	PASS
N5	15	20	DFT-16QAM	L	Outer_Full	NV	30	1.705680	0.002045	PASS
N5	15	20	DFT-16QAM	L	Outer_Full	NV	40	-115.818771	-0.138871	PASS
N5	15	20	DFT-16QAM	L	Outer_Full	NV	50	-4.804924	-0.005761	PASS
N5	15	20	DFT-QPSK	M	Outer_Full	NV	-30	-3.345943	-0.004000	PASS
N5	15	20	DFT-QPSK	M	Outer_Full	NV	-20	-5.987066	-0.007157	PASS
N5	15	20	DFT-QPSK	M	Outer_Full	NV	-10	26.630978	0.031836	PASS
N5	15	20	DFT-QPSK	M	Outer_Full	NV	0	-52.055305	-0.062230	PASS
N5	15	20	DFT-QPSK	M	Outer_Full	NV	10	-18.312521	-0.021892	PASS
N5	15	20	DFT-QPSK	M	Outer_Full	NV	20	-5.792989	-0.006925	PASS
N5	15	20	DFT-QPSK	M	Outer_Full	NV	30	-73.799912	-0.088225	PASS
N5	15	20	DFT-QPSK	M	Outer_Full	NV	40	-54.747894	-0.065449	PASS
N5	15	20	DFT-QPSK	M	Outer_Full	NV	50	-5.791817	-0.006924	PASS
N5	15	20	DFT-16QAM	M	Outer_Full	NV	-30	-4.978966	-0.005952	PASS
N5	15	20	DFT-16QAM	M	Outer_Full	NV	-20	49.437527	0.059100	PASS
N5	15	20	DFT-16QAM	M	Outer_Full	NV	-10	-104.505470	-0.124932	PASS
N5	15	20	DFT-16QAM	M	Outer_Full	NV	0	-4.047911	-0.004839	PASS
N5	15	20	DFT-16QAM	M	Outer_Full	NV	10	-5.221701	-0.006242	PASS
N5	15	20	DFT-16QAM	M	Outer_Full	NV	20	22.943672	0.027428	PASS
N5	15	20	DFT-16QAM	M	Outer_Full	NV	30	-4.786784	-0.005722	PASS
N5	15	20	DFT-16QAM	M	Outer_Full	NV	40	-5.684383	-0.006795	PASS
N5	15	20	DFT-16QAM	M	Outer_Full	NV	50	-9.072878	-0.010846	PASS
N5	15	20	DFT-QPSK	H	Outer_Full	NV	-30	44.688187	0.053264	PASS
N5	15	20	DFT-QPSK	H	Outer_Full	NV	-20	-3.615175	-0.004309	PASS

N5	15	20	DFT-QPSK	H	Outer_Full	NV	-10	-0.142255	-0.000170	PASS
N5	15	20	DFT-QPSK	H	Outer_Full	NV	0	0.626539	0.000747	PASS
N5	15	20	DFT-QPSK	H	Outer_Full	NV	10	-64.486397	-0.076861	PASS
N5	15	20	DFT-QPSK	H	Outer_Full	NV	20	0.133580	0.000159	PASS
N5	15	20	DFT-QPSK	H	Outer_Full	NV	30	106.041016	0.126390	PASS
N5	15	20	DFT-QPSK	H	Outer_Full	NV	40	71.587662	0.085325	PASS
N5	15	20	DFT-QPSK	H	Outer_Full	NV	50	-2.331264	-0.002779	PASS
N5	15	20	DFT-16QAM	H	Outer_Full	NV	-30	-3.802198	-0.004532	PASS
N5	15	20	DFT-16QAM	H	Outer_Full	NV	-20	-38.249096	-0.045589	PASS
N5	15	20	DFT-16QAM	H	Outer_Full	NV	-10	-2.358619	-0.002811	PASS
N5	15	20	DFT-16QAM	H	Outer_Full	NV	0	-2.054363	-0.002449	PASS
N5	15	20	DFT-16QAM	H	Outer_Full	NV	10	-1.219386	-0.001453	PASS
N5	15	20	DFT-16QAM	H	Outer_Full	NV	20	-51.443188	-0.061315	PASS
N5	15	20	DFT-16QAM	H	Outer_Full	NV	30	127.624802	0.152115	PASS
N5	15	20	DFT-16QAM	H	Outer_Full	NV	40	-3.939892	-0.004696	PASS
N5	15	20	DFT-16QAM	H	Outer_Full	NV	50	-3.402515	-0.004055	PASS