





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
N41	30	20	DFT-QPSK	L	Outer_Full	VL	NT	4.98	0.00	PASS
N41	30	20	DFT-QPSK	L	Outer_Full	VN	NT	-0.03	0.00	PASS
N41	30	20	DFT-QPSK	L	Outer_Full	VH	NT	-2.79	0.00	PASS
N41	30	20	DFT-16QAM	L	Outer_Full	VL	NT	-3.10	0.00	PASS
N41	30	20	DFT-16QAM	L	Outer_Full	VN	NT	2.87	0.00	PASS
N41	30	20	DFT-16QAM	L	Outer_Full	VH	NT	-1.06	0.00	PASS
N41	30	20	DFT-QPSK	M	Outer_Full	VL	NT	-1.59	0.00	PASS
N41	30	20	DFT-QPSK	M	Outer_Full	VN	NT	-4.29	0.00	PASS
N41	30	20	DFT-QPSK	M	Outer_Full	VH	NT	-8.50	0.00	PASS
N41	30	20	DFT-16QAM	M	Outer_Full	VL	NT	-3.90	0.00	PASS
N41	30	20	DFT-16QAM	M	Outer_Full	VN	NT	-8.67	0.00	PASS
N41	30	20	DFT-16QAM	M	Outer_Full	VH	NT	-3.12	0.00	PASS
N41	30	20	DFT-QPSK	H	Outer_Full	VL	NT	-7.43	0.00	PASS
N41	30	20	DFT-QPSK	H	Outer_Full	VN	NT	-5.71	0.00	PASS
N41	30	20	DFT-QPSK	H	Outer_Full	VH	NT	-6.59	0.00	PASS
N41	30	20	DFT-16QAM	H	Outer_Full	VL	NT	-1.66	0.00	PASS
N41	30	20	DFT-16QAM	H	Outer_Full	VN	NT	-5.57	0.00	PASS
N41	30	20	DFT-16QAM	H	Outer_Full	VH	NT	-1.70	0.00	PASS
N41	30	30	DFT-QPSK	L	Outer_Full	VL	NT	-8.39	0.00	PASS
N41	30	30	DFT-QPSK	L	Outer_Full	VN	NT	-3.66	0.00	PASS
N41	30	30	DFT-QPSK	L	Outer_Full	VH	NT	-17.54	-0.01	PASS
N41	30	30	DFT-16QAM	L	Outer_Full	VL	NT	-16.24	-0.01	PASS
N41	30	30	DFT-16QAM	L	Outer_Full	VN	NT	-10.57	0.00	PASS
N41	30	30	DFT-16QAM	L	Outer_Full	VH	NT	0.37	0.00	PASS
N41	30	30	DFT-QPSK	M	Outer_Full	VL	NT	-10.75	0.00	PASS
N41	30	30	DFT-QPSK	M	Outer_Full	VN	NT	-8.87	0.00	PASS
N41	30	30	DFT-QPSK	M	Outer_Full	VH	NT	-5.90	0.00	PASS
N41	30	30	DFT-16QAM	M	Outer_Full	VL	NT	-5.52	0.00	PASS
N41	30	30	DFT-16QAM	M	Outer_Full	VN	NT	-9.41	0.00	PASS
N41	30	30	DFT-16QAM	M	Outer_Full	VH	NT	-1.15	0.00	PASS
N41	30	30	DFT-QPSK	H	Outer_Full	VL	NT	-4.64	0.00	PASS
N41	30	30	DFT-QPSK	H	Outer_Full	VN	NT	-15.43	-0.01	PASS

N41	30	30	DFT-QPSK	H	Outer_Full	VH	NT	-7.80	0.00	PASS
N41	30	30	DFT-16QAM	H	Outer_Full	VL	NT	-7.34	0.00	PASS
N41	30	30	DFT-16QAM	H	Outer_Full	VN	NT	-10.34	0.00	PASS
N41	30	30	DFT-16QAM	H	Outer_Full	VH	NT	-18.64	-0.01	PASS
N41	30	40	DFT-QPSK	L	Outer_Full	VL	NT	-6.74	0.00	PASS
N41	30	40	DFT-QPSK	L	Outer_Full	VN	NT	-10.31	0.00	PASS
N41	30	40	DFT-QPSK	L	Outer_Full	VH	NT	-9.19	0.00	PASS
N41	30	40	DFT-16QAM	L	Outer_Full	VL	NT	-12.35	0.00	PASS
N41	30	40	DFT-16QAM	L	Outer_Full	VN	NT	-6.43	0.00	PASS
N41	30	40	DFT-16QAM	L	Outer_Full	VH	NT	-10.64	0.00	PASS
N41	30	40	DFT-QPSK	M	Outer_Full	VL	NT	-3.76	0.00	PASS
N41	30	40	DFT-QPSK	M	Outer_Full	VN	NT	-6.80	0.00	PASS
N41	30	40	DFT-QPSK	M	Outer_Full	VH	NT	-3.87	0.00	PASS
N41	30	40	DFT-16QAM	M	Outer_Full	VL	NT	-2.87	0.00	PASS
N41	30	40	DFT-16QAM	M	Outer_Full	VN	NT	-8.42	0.00	PASS
N41	30	40	DFT-16QAM	M	Outer_Full	VH	NT	1.61	0.00	PASS
N41	30	40	DFT-QPSK	H	Outer_Full	VL	NT	-15.35	-0.01	PASS
N41	30	40	DFT-QPSK	H	Outer_Full	VN	NT	-20.43	-0.01	PASS
N41	30	40	DFT-QPSK	H	Outer_Full	VH	NT	-19.72	-0.01	PASS
N41	30	40	DFT-16QAM	H	Outer_Full	VL	NT	-9.21	0.00	PASS
N41	30	40	DFT-16QAM	H	Outer_Full	VN	NT	4.72	0.00	PASS
N41	30	40	DFT-16QAM	H	Outer_Full	VH	NT	-7.74	0.00	PASS
N41	30	50	DFT-QPSK	L	Outer_Full	VL	NT	-5.30	0.00	PASS
N41	30	50	DFT-QPSK	L	Outer_Full	VN	NT	-10.72	0.00	PASS
N41	30	50	DFT-QPSK	L	Outer_Full	VH	NT	-4.13	0.00	PASS
N41	30	50	DFT-16QAM	L	Outer_Full	VL	NT	3.67	0.00	PASS
N41	30	50	DFT-16QAM	L	Outer_Full	VN	NT	-4.32	0.00	PASS
N41	30	50	DFT-16QAM	L	Outer_Full	VH	NT	4.94	0.00	PASS
N41	30	50	DFT-QPSK	M	Outer_Full	VL	NT	-19.22	-0.01	PASS
N41	30	50	DFT-QPSK	M	Outer_Full	VN	NT	-19.47	-0.01	PASS
N41	30	50	DFT-QPSK	M	Outer_Full	VH	NT	-6.27	0.00	PASS
N41	30	50	DFT-16QAM	M	Outer_Full	VL	NT	-9.44	0.00	PASS
N41	30	50	DFT-16QAM	M	Outer_Full	VN	NT	-10.56	0.00	PASS
N41	30	50	DFT-16QAM	M	Outer_Full	VH	NT	-8.72	0.00	PASS
N41	30	50	DFT-QPSK	H	Outer_Full	VL	NT	1.76	0.00	PASS
N41	30	50	DFT-QPSK	H	Outer_Full	VN	NT	-4.91	0.00	PASS
N41	30	50	DFT-QPSK	H	Outer_Full	VH	NT	-13.56	-0.01	PASS
N41	30	50	DFT-16QAM	H	Outer_Full	VL	NT	-9.50	0.00	PASS
N41	30	50	DFT-16QAM	H	Outer_Full	VN	NT	-8.63	0.00	PASS
N41	30	50	DFT-16QAM	H	Outer_Full	VH	NT	-9.74	0.00	PASS

N41	30	60	DFT-QPSK	L	Outer_Full	VL	NT	-14.66	-0.01	PASS
N41	30	60	DFT-QPSK	L	Outer_Full	VN	NT	-12.40	0.00	PASS
N41	30	60	DFT-QPSK	L	Outer_Full	VH	NT	-9.56	0.00	PASS
N41	30	60	DFT-16QAM	L	Outer_Full	VL	NT	-13.34	-0.01	PASS
N41	30	60	DFT-16QAM	L	Outer_Full	VN	NT	-6.14	0.00	PASS
N41	30	60	DFT-16QAM	L	Outer_Full	VH	NT	-9.73	0.00	PASS
N41	30	60	DFT-QPSK	M	Outer_Full	VL	NT	-9.43	0.00	PASS
N41	30	60	DFT-QPSK	M	Outer_Full	VN	NT	-2.99	0.00	PASS
N41	30	60	DFT-QPSK	M	Outer_Full	VH	NT	-12.47	0.00	PASS
N41	30	60	DFT-16QAM	M	Outer_Full	VL	NT	-9.66	0.00	PASS
N41	30	60	DFT-16QAM	M	Outer_Full	VN	NT	-7.83	0.00	PASS
N41	30	60	DFT-16QAM	M	Outer_Full	VH	NT	-11.36	0.00	PASS
N41	30	60	DFT-QPSK	H	Outer_Full	VL	NT	-12.75	0.00	PASS
N41	30	60	DFT-QPSK	H	Outer_Full	VN	NT	-5.31	0.00	PASS
N41	30	60	DFT-QPSK	H	Outer_Full	VH	NT	-11.37	0.00	PASS
N41	30	60	DFT-16QAM	H	Outer_Full	VL	NT	-10.47	0.00	PASS
N41	30	60	DFT-16QAM	H	Outer_Full	VN	NT	-14.55	-0.01	PASS
N41	30	60	DFT-16QAM	H	Outer_Full	VH	NT	-12.89	0.00	PASS
N41	30	70	DFT-QPSK	L	Outer_Full	VL	NT	-1.87	0.00	PASS
N41	30	70	DFT-QPSK	L	Outer_Full	VN	NT	-0.69	0.00	PASS
N41	30	70	DFT-QPSK	L	Outer_Full	VH	NT	-3.20	0.00	PASS
N41	30	80	DFT-QPSK	L	Outer_Full	VL	NT	-0.89	0.00	PASS
N41	30	80	DFT-QPSK	L	Outer_Full	VN	NT	-7.35	0.00	PASS
N41	30	80	DFT-QPSK	L	Outer_Full	VH	NT	-4.61	0.00	PASS
N41	30	80	DFT-16QAM	L	Outer_Full	VL	NT	-1.24	0.00	PASS
N41	30	80	DFT-16QAM	L	Outer_Full	VN	NT	-2.73	0.00	PASS
N41	30	80	DFT-16QAM	L	Outer_Full	VH	NT	-8.39	0.00	PASS
N41	30	80	DFT-QPSK	M	Outer_Full	VL	NT	-9.08	0.00	PASS
N41	30	80	DFT-QPSK	M	Outer_Full	VN	NT	-7.07	0.00	PASS
N41	30	80	DFT-QPSK	M	Outer_Full	VH	NT	3.93	0.00	PASS
N41	30	80	DFT-16QAM	M	Outer_Full	VL	NT	-16.35	-0.01	PASS
N41	30	80	DFT-16QAM	M	Outer_Full	VN	NT	-7.95	0.00	PASS
N41	30	80	DFT-16QAM	M	Outer_Full	VH	NT	-7.02	0.00	PASS
N41	30	80	DFT-QPSK	H	Outer_Full	VL	NT	-5.60	0.00	PASS
N41	30	80	DFT-QPSK	H	Outer_Full	VN	NT	-7.62	0.00	PASS
N41	30	80	DFT-QPSK	H	Outer_Full	VH	NT	-10.67	0.00	PASS
N41	30	80	DFT-16QAM	H	Outer_Full	VL	NT	-12.10	0.00	PASS
N41	30	80	DFT-16QAM	H	Outer_Full	VN	NT	-13.67	-0.01	PASS
N41	30	80	DFT-16QAM	H	Outer_Full	VH	NT	-13.37	-0.01	PASS
N41	30	90	DFT-QPSK	L	Outer_Full	VL	NT	-8.90	0.00	PASS

N41	30	90	DFT-QPSK	L	Outer_Full	VN	NT	-2.52	0.00	PASS
N41	30	90	DFT-QPSK	L	Outer_Full	VH	NT	-10.97	0.00	PASS
N41	30	90	DFT-16QAM	L	Outer_Full	VL	NT	-14.29	-0.01	PASS
N41	30	90	DFT-16QAM	L	Outer_Full	VN	NT	-7.69	0.00	PASS
N41	30	90	DFT-16QAM	L	Outer_Full	VH	NT	-8.18	0.00	PASS
N41	30	90	DFT-QPSK	M	Outer_Full	VL	NT	-9.90	0.00	PASS
N41	30	90	DFT-QPSK	M	Outer_Full	VN	NT	-15.40	-0.01	PASS
N41	30	90	DFT-QPSK	M	Outer_Full	VH	NT	-7.11	0.00	PASS
N41	30	90	DFT-16QAM	M	Outer_Full	VL	NT	-13.38	-0.01	PASS
N41	30	90	DFT-16QAM	M	Outer_Full	VN	NT	-3.55	0.00	PASS
N41	30	90	DFT-16QAM	M	Outer_Full	VH	NT	-6.75	0.00	PASS
N41	30	90	DFT-QPSK	H	Outer_Full	VL	NT	-3.90	0.00	PASS
N41	30	90	DFT-QPSK	H	Outer_Full	VN	NT	-5.79	0.00	PASS
N41	30	90	DFT-QPSK	H	Outer_Full	VH	NT	-17.73	-0.01	PASS
N41	30	90	DFT-16QAM	H	Outer_Full	VL	NT	-19.20	-0.01	PASS
N41	30	90	DFT-16QAM	H	Outer_Full	VN	NT	-10.30	0.00	PASS
N41	30	90	DFT-16QAM	H	Outer_Full	VH	NT	-15.66	-0.01	PASS
N41	30	100	DFT-QPSK	L	Outer_Full	VL	NT	-9.34	0.00	PASS
N41	30	100	DFT-QPSK	L	Outer_Full	VN	NT	-3.47	0.00	PASS
N41	30	100	DFT-QPSK	L	Outer_Full	VH	NT	-11.26	0.00	PASS
N41	30	100	DFT-16QAM	L	Outer_Full	VL	NT	-2.55	0.00	PASS
N41	30	100	DFT-16QAM	L	Outer_Full	VN	NT	-5.17	0.00	PASS
N41	30	100	DFT-16QAM	L	Outer_Full	VH	NT	-8.09	0.00	PASS
N41	30	100	DFT-QPSK	M	Outer_Full	VL	NT	1.76	0.00	PASS
N41	30	100	DFT-QPSK	M	Outer_Full	VN	NT	-15.43	-0.01	PASS
N41	30	100	DFT-QPSK	M	Outer_Full	VH	NT	-3.90	0.00	PASS
N41	30	100	DFT-16QAM	M	Outer_Full	VL	NT	-12.95	0.00	PASS
N41	30	100	DFT-16QAM	M	Outer_Full	VN	NT	-10.73	0.00	PASS
N41	30	100	DFT-16QAM	M	Outer_Full	VH	NT	4.93	0.00	PASS
N41	30	100	DFT-QPSK	H	Outer_Full	VL	NT	-7.99	0.00	PASS
N41	30	100	DFT-QPSK	H	Outer_Full	VN	NT	1.51	0.00	PASS
N41	30	100	DFT-QPSK	H	Outer_Full	VH	NT	-8.71	0.00	PASS
N41	30	100	DFT-16QAM	H	Outer_Full	VL	NT	-8.98	0.00	PASS
N41	30	100	DFT-16QAM	H	Outer_Full	VN	NT	0.39	0.00	PASS
N41	30	100	DFT-16QAM	H	Outer_Full	VH	NT	-16.58	-0.01	PASS
N41	30	70	DFT-16QAM	L	Outer_Full	VL	NT	-8.48	0.00	PASS
N41	30	70	DFT-16QAM	L	Outer_Full	VN	NT	-1.87	0.00	PASS
N41	30	70	DFT-16QAM	L	Outer_Full	VH	NT	0.83	0.00	PASS
N41	30	70	DFT-QPSK	M	Outer_Full	VL	NT	-10.49	0.00	PASS
N41	30	70	DFT-QPSK	M	Outer_Full	VN	NT	-1.65	0.00	PASS

N41	30	70	DFT-QPSK	M	Outer_Full	VH	NT	-6.68	0.00	PASS
N41	30	70	DFT-16QAM	M	Outer_Full	VL	NT	-6.16	0.00	PASS
N41	30	70	DFT-16QAM	M	Outer_Full	VN	NT	-6.69	0.00	PASS
N41	30	70	DFT-16QAM	M	Outer_Full	VH	NT	-8.43	0.00	PASS
N41	30	70	DFT-QPSK	H	Outer_Full	VL	NT	-5.10	0.00	PASS
N41	30	70	DFT-QPSK	H	Outer_Full	VN	NT	-8.15	0.00	PASS
N41	30	70	DFT-QPSK	H	Outer_Full	VH	NT	-10.04	0.00	PASS
N41	30	70	DFT-16QAM	H	Outer_Full	VL	NT	-3.61	0.00	PASS
N41	30	70	DFT-16QAM	H	Outer_Full	VN	NT	-6.91	0.00	PASS
N41	30	70	DFT-16QAM	H	Outer_Full	VH	NT	-4.18	0.00	PASS

Frequency Error VS. Temperature

Voltage										
Band	SCS	Bandwidth	Modulation	Channel	RB Config	Voltage	Temperature	Deviation(Hz)	Deviation (ppm)	Verdict
N41	30	20	DFT-QPSK	L	Outer_Full	NV	-30	4.120333	0.001644	PASS
N41	30	20	DFT-QPSK	L	Outer_Full	NV	-20	-0.651602	-0.000260	PASS
N41	30	20	DFT-QPSK	L	Outer_Full	NV	-10	-11.052963	-0.004411	PASS
N41	30	20	DFT-QPSK	L	Outer_Full	NV	0	-8.104950	-0.003234	PASS
N41	30	20	DFT-QPSK	L	Outer_Full	NV	10	0.328163	0.000131	PASS
N41	30	20	DFT-QPSK	L	Outer_Full	NV	20	-2.402266	-0.000959	PASS
N41	30	20	DFT-QPSK	L	Outer_Full	NV	30	-0.829218	-0.000331	PASS
N41	30	20	DFT-QPSK	L	Outer_Full	NV	40	2.185390	0.000872	PASS
N41	30	20	DFT-QPSK	L	Outer_Full	NV	50	2.856816	0.001140	PASS
N41	30	20	DFT-16QAM	L	Outer_Full	NV	-30	-4.799793	-0.001915	PASS
N41	30	20	DFT-16QAM	L	Outer_Full	NV	-20	10.424788	0.004160	PASS
N41	30	20	DFT-16QAM	L	Outer_Full	NV	-10	-3.979578	-0.001588	PASS
N41	30	20	DFT-16QAM	L	Outer_Full	NV	0	-2.152335	-0.000859	PASS
N41	30	20	DFT-16QAM	L	Outer_Full	NV	10	-11.107242	-0.004432	PASS
N41	30	20	DFT-16QAM	L	Outer_Full	NV	20	-10.788221	-0.004305	PASS
N41	30	20	DFT-16QAM	L	Outer_Full	NV	30	-6.143613	-0.002452	PASS
N41	30	20	DFT-16QAM	L	Outer_Full	NV	40	2.478611	0.000989	PASS
N41	30	20	DFT-16QAM	L	Outer_Full	NV	50	0.312275	0.000125	PASS
N41	30	20	DFT-QPSK	M	Outer_Full	NV	-30	-12.419515	-0.004790	PASS
N41	30	20	DFT-QPSK	M	Outer_Full	NV	-20	-1.985099	-0.000766	PASS
N41	30	20	DFT-QPSK	M	Outer_Full	NV	-10	-14.632684	-0.005643	PASS
N41	30	20	DFT-QPSK	M	Outer_Full	NV	0	-3.846262	-0.001483	PASS
N41	30	20	DFT-QPSK	M	Outer_Full	NV	10	-9.506237	-0.003666	PASS
N41	30	20	DFT-QPSK	M	Outer_Full	NV	20	-11.522844	-0.004444	PASS

N41	30	20	DFT-QPSK	M	Outer_Full	NV	30	-7.927156	-0.003057	PASS
N41	30	20	DFT-QPSK	M	Outer_Full	NV	40	-2.759245	-0.001064	PASS
N41	30	20	DFT-QPSK	M	Outer_Full	NV	50	-9.813972	-0.003785	PASS
N41	30	20	DFT-16QAM	M	Outer_Full	NV	-30	-3.878881	-0.001496	PASS
N41	30	20	DFT-16QAM	M	Outer_Full	NV	-20	-0.823721	-0.000318	PASS
N41	30	20	DFT-16QAM	M	Outer_Full	NV	-10	-4.831206	-0.001863	PASS
N41	30	20	DFT-16QAM	M	Outer_Full	NV	0	-11.223261	-0.004328	PASS
N41	30	20	DFT-16QAM	M	Outer_Full	NV	10	-10.696597	-0.004125	PASS
N41	30	20	DFT-16QAM	M	Outer_Full	NV	20	-4.888069	-0.001885	PASS
N41	30	20	DFT-16QAM	M	Outer_Full	NV	30	-5.765343	-0.002223	PASS
N41	30	20	DFT-16QAM	M	Outer_Full	NV	40	-10.155766	-0.003917	PASS
N41	30	20	DFT-16QAM	M	Outer_Full	NV	50	-1.938166	-0.000747	PASS
N41	30	20	DFT-QPSK	H	Outer_Full	NV	-30	-4.808521	-0.001794	PASS
N41	30	20	DFT-QPSK	H	Outer_Full	NV	-20	-11.972694	-0.004467	PASS
N41	30	20	DFT-QPSK	H	Outer_Full	NV	-10	-13.069792	-0.004877	PASS
N41	30	20	DFT-QPSK	H	Outer_Full	NV	0	-3.531341	-0.001318	PASS
N41	30	20	DFT-QPSK	H	Outer_Full	NV	10	-16.120285	-0.006015	PASS
N41	30	20	DFT-QPSK	H	Outer_Full	NV	20	-10.797684	-0.004029	PASS
N41	30	20	DFT-QPSK	H	Outer_Full	NV	30	-9.090117	-0.003392	PASS
N41	30	20	DFT-QPSK	H	Outer_Full	NV	40	0.020570	0.000008	PASS
N41	30	20	DFT-QPSK	H	Outer_Full	NV	50	-7.896037	-0.002946	PASS
N41	30	20	DFT-16QAM	H	Outer_Full	NV	-30	-10.184031	-0.003800	PASS
N41	30	20	DFT-16QAM	H	Outer_Full	NV	-20	-7.126343	-0.002659	PASS
N41	30	20	DFT-16QAM	H	Outer_Full	NV	-10	-14.818089	-0.005529	PASS
N41	30	20	DFT-16QAM	H	Outer_Full	NV	0	-9.919705	-0.003701	PASS
N41	30	20	DFT-16QAM	H	Outer_Full	NV	10	-3.490003	-0.001302	PASS
N41	30	20	DFT-16QAM	H	Outer_Full	NV	20	-7.695554	-0.002871	PASS
N41	30	20	DFT-16QAM	H	Outer_Full	NV	30	-10.728207	-0.004003	PASS
N41	30	20	DFT-16QAM	H	Outer_Full	NV	40	-0.976662	-0.000364	PASS
N41	30	20	DFT-16QAM	H	Outer_Full	NV	50	-0.461568	-0.000172	PASS
N41	30	30	DFT-QPSK	L	Outer_Full	NV	-30	-9.110250	-0.003628	PASS
N41	30	30	DFT-QPSK	L	Outer_Full	NV	-20	-10.869143	-0.004329	PASS
N41	30	30	DFT-QPSK	L	Outer_Full	NV	-10	2.614682	0.001041	PASS
N41	30	30	DFT-QPSK	L	Outer_Full	NV	0	-12.639766	-0.005034	PASS
N41	30	30	DFT-QPSK	L	Outer_Full	NV	10	-6.826273	-0.002719	PASS
N41	30	30	DFT-QPSK	L	Outer_Full	NV	20	10.545400	0.004200	PASS
N41	30	30	DFT-QPSK	L	Outer_Full	NV	30	-13.500972	-0.005377	PASS
N41	30	30	DFT-QPSK	L	Outer_Full	NV	40	-12.438288	-0.004954	PASS
N41	30	30	DFT-QPSK	L	Outer_Full	NV	50	-6.087075	-0.002424	PASS
N41	30	30	DFT-16QAM	L	Outer_Full	NV	-30	-3.521927	-0.001403	PASS

N41	30	30	DFT-16QAM	L	Outer_Full	NV	-20	-5.072262	-0.002020	PASS
N41	30	30	DFT-16QAM	L	Outer_Full	NV	-10	-11.168284	-0.004448	PASS
N41	30	30	DFT-16QAM	L	Outer_Full	NV	0	-2.775854	-0.001105	PASS
N41	30	30	DFT-16QAM	L	Outer_Full	NV	10	-7.789450	-0.003102	PASS
N41	30	30	DFT-16QAM	L	Outer_Full	NV	20	1.979741	0.000788	PASS
N41	30	30	DFT-16QAM	L	Outer_Full	NV	30	-1.713032	-0.000682	PASS
N41	30	30	DFT-16QAM	L	Outer_Full	NV	40	-0.777015	-0.000309	PASS
N41	30	30	DFT-16QAM	L	Outer_Full	NV	50	-16.618345	-0.006618	PASS
N41	30	30	DFT-QPSK	M	Outer_Full	NV	-30	-10.306879	-0.003975	PASS
N41	30	30	DFT-QPSK	M	Outer_Full	NV	-20	-10.976360	-0.004233	PASS
N41	30	30	DFT-QPSK	M	Outer_Full	NV	-10	-4.820220	-0.001859	PASS
N41	30	30	DFT-QPSK	M	Outer_Full	NV	0	-10.837291	-0.004179	PASS
N41	30	30	DFT-QPSK	M	Outer_Full	NV	10	-2.626069	-0.001013	PASS
N41	30	30	DFT-QPSK	M	Outer_Full	NV	20	4.205660	0.001622	PASS
N41	30	30	DFT-QPSK	M	Outer_Full	NV	30	-6.000437	-0.002314	PASS
N41	30	30	DFT-QPSK	M	Outer_Full	NV	40	2.679543	0.001033	PASS
N41	30	30	DFT-QPSK	M	Outer_Full	NV	50	-7.287029	-0.002810	PASS
N41	30	30	DFT-16QAM	M	Outer_Full	NV	-30	-13.637068	-0.005259	PASS
N41	30	30	DFT-16QAM	M	Outer_Full	NV	-20	-4.902815	-0.001891	PASS
N41	30	30	DFT-16QAM	M	Outer_Full	NV	-10	-8.691350	-0.003352	PASS
N41	30	30	DFT-16QAM	M	Outer_Full	NV	0	-13.662046	-0.005269	PASS
N41	30	30	DFT-16QAM	M	Outer_Full	NV	10	-9.654940	-0.003723	PASS
N41	30	30	DFT-16QAM	M	Outer_Full	NV	20	-10.870539	-0.004192	PASS
N41	30	30	DFT-16QAM	M	Outer_Full	NV	30	-13.873798	-0.005351	PASS
N41	30	30	DFT-16QAM	M	Outer_Full	NV	40	-0.307551	-0.000119	PASS
N41	30	30	DFT-16QAM	M	Outer_Full	NV	50	-12.587533	-0.004854	PASS
N41	30	30	DFT-QPSK	H	Outer_Full	NV	-30	-16.232765	-0.006068	PASS
N41	30	30	DFT-QPSK	H	Outer_Full	NV	-20	-17.708263	-0.006620	PASS
N41	30	30	DFT-QPSK	H	Outer_Full	NV	-10	-13.476388	-0.005038	PASS
N41	30	30	DFT-QPSK	H	Outer_Full	NV	0	-10.117552	-0.003782	PASS
N41	30	30	DFT-QPSK	H	Outer_Full	NV	10	-7.778891	-0.002908	PASS
N41	30	30	DFT-QPSK	H	Outer_Full	NV	20	-16.185614	-0.006051	PASS
N41	30	30	DFT-QPSK	H	Outer_Full	NV	30	-10.611058	-0.003967	PASS
N41	30	30	DFT-QPSK	H	Outer_Full	NV	40	-2.179408	-0.000815	PASS
N41	30	30	DFT-QPSK	H	Outer_Full	NV	50	-22.997456	-0.008597	PASS
N41	30	30	DFT-16QAM	H	Outer_Full	NV	-30	-13.241594	-0.004950	PASS
N41	30	30	DFT-16QAM	H	Outer_Full	NV	-20	-7.012047	-0.002621	PASS
N41	30	30	DFT-16QAM	H	Outer_Full	NV	-10	-16.251104	-0.006075	PASS
N41	30	30	DFT-16QAM	H	Outer_Full	NV	0	2.857662	0.001068	PASS
N41	30	30	DFT-16QAM	H	Outer_Full	NV	10	-1.775075	-0.000664	PASS

N41	30	30	DFT-16QAM	H	Outer_Full	NV	20	-5.201440	-0.001944	PASS
N41	30	30	DFT-16QAM	H	Outer_Full	NV	30	-12.566976	-0.004698	PASS
N41	30	30	DFT-16QAM	H	Outer_Full	NV	40	-7.921945	-0.002961	PASS
N41	30	30	DFT-16QAM	H	Outer_Full	NV	50	-9.020927	-0.003372	PASS
N41	30	40	DFT-QPSK	L	Outer_Full	NV	-30	-9.028881	-0.003589	PASS
N41	30	40	DFT-QPSK	L	Outer_Full	NV	-20	-3.725190	-0.001481	PASS
N41	30	40	DFT-QPSK	L	Outer_Full	NV	-10	-2.926685	-0.001163	PASS
N41	30	40	DFT-QPSK	L	Outer_Full	NV	0	-6.048960	-0.002404	PASS
N41	30	40	DFT-QPSK	L	Outer_Full	NV	10	-8.055113	-0.003202	PASS
N41	30	40	DFT-QPSK	L	Outer_Full	NV	20	-11.992975	-0.004767	PASS
N41	30	40	DFT-QPSK	L	Outer_Full	NV	30	-9.959501	-0.003958	PASS
N41	30	40	DFT-QPSK	L	Outer_Full	NV	40	-6.688992	-0.002659	PASS
N41	30	40	DFT-QPSK	L	Outer_Full	NV	50	-15.734263	-0.006254	PASS
N41	30	40	DFT-16QAM	L	Outer_Full	NV	-30	-10.097763	-0.004013	PASS
N41	30	40	DFT-16QAM	L	Outer_Full	NV	-20	-2.571596	-0.001022	PASS
N41	30	40	DFT-16QAM	L	Outer_Full	NV	-10	-9.762429	-0.003880	PASS
N41	30	40	DFT-16QAM	L	Outer_Full	NV	0	-7.033652	-0.002796	PASS
N41	30	40	DFT-16QAM	L	Outer_Full	NV	10	-7.334453	-0.002915	PASS
N41	30	40	DFT-16QAM	L	Outer_Full	NV	20	-3.969551	-0.001578	PASS
N41	30	40	DFT-16QAM	L	Outer_Full	NV	30	-11.795079	-0.004688	PASS
N41	30	40	DFT-16QAM	L	Outer_Full	NV	40	-1.161837	-0.000462	PASS
N41	30	40	DFT-16QAM	L	Outer_Full	NV	50	-10.176673	-0.004045	PASS
N41	30	40	DFT-QPSK	M	Outer_Full	NV	-30	-2.414845	-0.000931	PASS
N41	30	40	DFT-QPSK	M	Outer_Full	NV	-20	-12.050907	-0.004647	PASS
N41	30	40	DFT-QPSK	M	Outer_Full	NV	-10	-5.156002	-0.001988	PASS
N41	30	40	DFT-QPSK	M	Outer_Full	NV	0	-9.475293	-0.003654	PASS
N41	30	40	DFT-QPSK	M	Outer_Full	NV	10	0.328767	0.000127	PASS
N41	30	40	DFT-QPSK	M	Outer_Full	NV	20	-10.729046	-0.004138	PASS
N41	30	40	DFT-QPSK	M	Outer_Full	NV	30	-0.382697	-0.000148	PASS
N41	30	40	DFT-QPSK	M	Outer_Full	NV	40	-9.505724	-0.003666	PASS
N41	30	40	DFT-QPSK	M	Outer_Full	NV	50	-9.741149	-0.003757	PASS
N41	30	40	DFT-16QAM	M	Outer_Full	NV	-30	-8.904254	-0.003434	PASS
N41	30	40	DFT-16QAM	M	Outer_Full	NV	-20	-12.073192	-0.004656	PASS
N41	30	40	DFT-16QAM	M	Outer_Full	NV	-10	-20.618740	-0.007952	PASS
N41	30	40	DFT-16QAM	M	Outer_Full	NV	0	-16.273539	-0.006276	PASS
N41	30	40	DFT-16QAM	M	Outer_Full	NV	10	-11.711111	-0.004516	PASS
N41	30	40	DFT-16QAM	M	Outer_Full	NV	20	-12.179299	-0.004697	PASS
N41	30	40	DFT-16QAM	M	Outer_Full	NV	30	-1.084689	-0.000418	PASS
N41	30	40	DFT-16QAM	M	Outer_Full	NV	40	2.422212	0.000934	PASS
N41	30	40	DFT-16QAM	M	Outer_Full	NV	50	-7.221632	-0.002785	PASS

N41	30	40	DFT-QPSK	H	Outer_Full	NV	-30	-22.221106	-0.008323	PASS
N41	30	40	DFT-QPSK	H	Outer_Full	NV	-20	-19.803244	-0.007417	PASS
N41	30	40	DFT-QPSK	H	Outer_Full	NV	-10	-1.520095	-0.000569	PASS
N41	30	40	DFT-QPSK	H	Outer_Full	NV	0	-3.185728	-0.001193	PASS
N41	30	40	DFT-QPSK	H	Outer_Full	NV	10	-6.898917	-0.002584	PASS
N41	30	40	DFT-QPSK	H	Outer_Full	NV	20	-9.517825	-0.003565	PASS
N41	30	40	DFT-QPSK	H	Outer_Full	NV	30	-5.914415	-0.002215	PASS
N41	30	40	DFT-QPSK	H	Outer_Full	NV	40	-14.756555	-0.005527	PASS
N41	30	40	DFT-QPSK	H	Outer_Full	NV	50	-17.152779	-0.006424	PASS
N41	30	40	DFT-16QAM	H	Outer_Full	NV	-30	-6.907477	-0.002587	PASS
N41	30	40	DFT-16QAM	H	Outer_Full	NV	-20	-8.359581	-0.003131	PASS
N41	30	40	DFT-16QAM	H	Outer_Full	NV	-10	0.029117	0.000011	PASS
N41	30	40	DFT-16QAM	H	Outer_Full	NV	0	-1.159249	-0.000434	PASS
N41	30	40	DFT-16QAM	H	Outer_Full	NV	10	4.757745	0.001782	PASS
N41	30	40	DFT-16QAM	H	Outer_Full	NV	20	-14.556440	-0.005452	PASS
N41	30	40	DFT-16QAM	H	Outer_Full	NV	30	-11.480558	-0.004300	PASS
N41	30	40	DFT-16QAM	H	Outer_Full	NV	40	-4.767352	-0.001786	PASS
N41	30	40	DFT-16QAM	H	Outer_Full	NV	50	-10.006035	-0.003748	PASS
N41	30	50	DFT-QPSK	L	Outer_Full	NV	-30	-9.506642	-0.003771	PASS
N41	30	50	DFT-QPSK	L	Outer_Full	NV	-20	7.040359	0.002793	PASS
N41	30	50	DFT-QPSK	L	Outer_Full	NV	-10	-5.143602	-0.002040	PASS
N41	30	50	DFT-QPSK	L	Outer_Full	NV	0	7.578050	0.003006	PASS
N41	30	50	DFT-QPSK	L	Outer_Full	NV	10	-15.125916	-0.006000	PASS
N41	30	50	DFT-QPSK	L	Outer_Full	NV	20	-12.458243	-0.004942	PASS
N41	30	50	DFT-QPSK	L	Outer_Full	NV	30	-16.881668	-0.006696	PASS
N41	30	50	DFT-QPSK	L	Outer_Full	NV	40	-5.383012	-0.002135	PASS
N41	30	50	DFT-QPSK	L	Outer_Full	NV	50	-4.196229	-0.001664	PASS
N41	30	50	DFT-16QAM	L	Outer_Full	NV	-30	-0.455992	-0.000181	PASS
N41	30	50	DFT-16QAM	L	Outer_Full	NV	-20	-2.891728	-0.001147	PASS
N41	30	50	DFT-16QAM	L	Outer_Full	NV	-10	-4.343906	-0.001723	PASS
N41	30	50	DFT-16QAM	L	Outer_Full	NV	0	-14.518090	-0.005759	PASS
N41	30	50	DFT-16QAM	L	Outer_Full	NV	10	-9.192423	-0.003646	PASS
N41	30	50	DFT-16QAM	L	Outer_Full	NV	20	4.156750	0.001649	PASS
N41	30	50	DFT-16QAM	L	Outer_Full	NV	30	-11.092544	-0.004400	PASS
N41	30	50	DFT-16QAM	L	Outer_Full	NV	40	-3.490738	-0.001385	PASS
N41	30	50	DFT-16QAM	L	Outer_Full	NV	50	-0.164566	-0.000065	PASS
N41	30	50	DFT-QPSK	M	Outer_Full	NV	-30	-9.330518	-0.003598	PASS
N41	30	50	DFT-QPSK	M	Outer_Full	NV	-20	-8.819626	-0.003401	PASS
N41	30	50	DFT-QPSK	M	Outer_Full	NV	-10	-6.263481	-0.002416	PASS
N41	30	50	DFT-QPSK	M	Outer_Full	NV	0	-2.482867	-0.000958	PASS

N41	30	50	DFT-QPSK	M	Outer_Full	NV	10	-12.682927	-0.004891	PASS
N41	30	50	DFT-QPSK	M	Outer_Full	NV	20	-7.860350	-0.003031	PASS
N41	30	50	DFT-QPSK	M	Outer_Full	NV	30	-5.103330	-0.002020	PASS
N41	30	50	DFT-QPSK	M	Outer_Full	NV	40	-1.809834	-0.000698	PASS
N41	30	50	DFT-QPSK	M	Outer_Full	NV	50	-3.415625	-0.001317	PASS
N41	30	50	DFT-16QAM	M	Outer_Full	NV	-30	-6.057120	-0.002336	PASS
N41	30	50	DFT-16QAM	M	Outer_Full	NV	-20	-20.468773	-0.007894	PASS
N41	30	50	DFT-16QAM	M	Outer_Full	NV	-10	-5.198466	-0.002005	PASS
N41	30	50	DFT-16QAM	M	Outer_Full	NV	0	-1.680103	-0.000648	PASS
N41	30	50	DFT-16QAM	M	Outer_Full	NV	10	-4.197540	-0.001619	PASS
N41	30	50	DFT-16QAM	M	Outer_Full	NV	20	-1.937337	-0.000747	PASS
N41	30	50	DFT-16QAM	M	Outer_Full	NV	30	-8.799016	-0.003393	PASS
N41	30	50	DFT-16QAM	M	Outer_Full	NV	40	-12.569799	-0.004848	PASS
N41	30	50	DFT-16QAM	M	Outer_Full	NV	50	-3.441898	-0.001327	PASS
N41	30	50	DFT-QPSK	H	Outer_Full	NV	-30	1.393566	0.000523	PASS
N41	30	50	DFT-QPSK	H	Outer_Full	NV	-20	-6.119281	-0.002296	PASS
N41	30	50	DFT-QPSK	H	Outer_Full	NV	-10	-0.737503	-0.000277	PASS
N41	30	50	DFT-QPSK	H	Outer_Full	NV	0	-11.235859	-0.004216	PASS
N41	30	50	DFT-QPSK	H	Outer_Full	NV	10	-9.005948	-0.003379	PASS
N41	30	50	DFT-QPSK	H	Outer_Full	NV	20	-16.506704	-0.006194	PASS
N41	30	50	DFT-QPSK	H	Outer_Full	NV	30	2.830717	0.001062	PASS
N41	30	50	DFT-QPSK	H	Outer_Full	NV	40	-16.203730	-0.006080	PASS
N41	30	50	DFT-QPSK	H	Outer_Full	NV	50	-15.565503	-0.005841	PASS
N41	30	50	DFT-16QAM	H	Outer_Full	NV	-30	0.464953	0.000174	PASS
N41	30	50	DFT-16QAM	H	Outer_Full	NV	-20	-5.229712	-0.001962	PASS
N41	30	50	DFT-16QAM	H	Outer_Full	NV	-10	-11.915133	-0.004471	PASS
N41	30	50	DFT-16QAM	H	Outer_Full	NV	0	-17.814016	-0.006684	PASS
N41	30	50	DFT-16QAM	H	Outer_Full	NV	10	-11.818654	-0.004435	PASS
N41	30	50	DFT-16QAM	H	Outer_Full	NV	20	-11.143467	-0.004181	PASS
N41	30	50	DFT-16QAM	H	Outer_Full	NV	30	-0.644486	-0.000242	PASS
N41	30	50	DFT-16QAM	H	Outer_Full	NV	40	-15.179935	-0.005696	PASS
N41	30	50	DFT-16QAM	H	Outer_Full	NV	50	-10.586114	-0.003972	PASS
N41	30	60	DFT-QPSK	L	Outer_Full	NV	-30	-8.279448	-0.003278	PASS
N41	30	60	DFT-QPSK	L	Outer_Full	NV	-20	-6.573528	-0.002602	PASS
N41	30	60	DFT-QPSK	L	Outer_Full	NV	-10	-1.838275	-0.000728	PASS
N41	30	60	DFT-QPSK	L	Outer_Full	NV	0	-9.419158	-0.003729	PASS
N41	30	60	DFT-QPSK	L	Outer_Full	NV	10	-7.687610	-0.003043	PASS
N41	30	60	DFT-QPSK	L	Outer_Full	NV	20	-12.774718	-0.005057	PASS
N41	30	60	DFT-QPSK	L	Outer_Full	NV	30	-12.855961	-0.005089	PASS
N41	30	60	DFT-QPSK	L	Outer_Full	NV	40	-8.944503	-0.003541	PASS

N41	30	60	DFT-QPSK	L	Outer_Full	NV	50	-1.791484	-0.000709	PASS
N41	30	60	DFT-16QAM	L	Outer_Full	NV	-30	-3.235100	-0.001281	PASS
N41	30	60	DFT-16QAM	L	Outer_Full	NV	-20	-6.107421	-0.002418	PASS
N41	30	60	DFT-16QAM	L	Outer_Full	NV	-10	-5.103330	-0.002020	PASS
N41	30	60	DFT-16QAM	L	Outer_Full	NV	0	-3.256379	-0.001289	PASS
N41	30	60	DFT-16QAM	L	Outer_Full	NV	10	0.101517	0.000040	PASS
N41	30	60	DFT-16QAM	L	Outer_Full	NV	20	-21.891605	-0.008667	PASS
N41	30	60	DFT-16QAM	L	Outer_Full	NV	30	-2.726268	-0.001079	PASS
N41	30	60	DFT-16QAM	L	Outer_Full	NV	40	-9.303396	-0.003683	PASS
N41	30	60	DFT-16QAM	L	Outer_Full	NV	50	-3.066986	-0.001214	PASS
N41	30	60	DFT-QPSK	M	Outer_Full	NV	-30	-14.043930	-0.005416	PASS
N41	30	60	DFT-QPSK	M	Outer_Full	NV	-20	-1.291012	-0.000498	PASS
N41	30	60	DFT-QPSK	M	Outer_Full	NV	-10	0.820495	0.000316	PASS
N41	30	60	DFT-QPSK	M	Outer_Full	NV	0	-15.267642	-0.005888	PASS
N41	30	60	DFT-QPSK	M	Outer_Full	NV	10	-10.654441	-0.004109	PASS
N41	30	60	DFT-QPSK	M	Outer_Full	NV	20	-15.970511	-0.006159	PASS
N41	30	60	DFT-QPSK	M	Outer_Full	NV	30	-13.289626	-0.005125	PASS
N41	30	60	DFT-QPSK	M	Outer_Full	NV	40	-14.902891	-0.005747	PASS
N41	30	60	DFT-QPSK	M	Outer_Full	NV	50	-9.252671	-0.003568	PASS
N41	30	60	DFT-16QAM	M	Outer_Full	NV	-30	-7.048727	-0.002718	PASS
N41	30	60	DFT-16QAM	M	Outer_Full	NV	-20	1.604186	0.000619	PASS
N41	30	60	DFT-16QAM	M	Outer_Full	NV	-10	-6.432249	-0.002481	PASS
N41	30	60	DFT-16QAM	M	Outer_Full	NV	0	-21.399441	-0.008253	PASS
N41	30	60	DFT-16QAM	M	Outer_Full	NV	10	-13.117223	-0.005059	PASS
N41	30	60	DFT-16QAM	M	Outer_Full	NV	20	-9.532084	-0.003676	PASS
N41	30	60	DFT-16QAM	M	Outer_Full	NV	30	-18.421682	-0.007104	PASS
N41	30	60	DFT-16QAM	M	Outer_Full	NV	40	-3.818911	-0.001473	PASS
N41	30	60	DFT-16QAM	M	Outer_Full	NV	50	-3.393128	-0.001309	PASS
N41	30	60	DFT-QPSK	H	Outer_Full	NV	-30	-10.081014	-0.003790	PASS
N41	30	60	DFT-QPSK	H	Outer_Full	NV	-20	-13.971128	-0.005252	PASS
N41	30	60	DFT-QPSK	H	Outer_Full	NV	-10	-9.798767	-0.003684	PASS
N41	30	60	DFT-QPSK	H	Outer_Full	NV	0	-8.036395	-0.003021	PASS
N41	30	60	DFT-QPSK	H	Outer_Full	NV	10	-3.204119	-0.001205	PASS
N41	30	60	DFT-QPSK	H	Outer_Full	NV	20	-8.509390	-0.003199	PASS
N41	30	60	DFT-QPSK	H	Outer_Full	NV	30	-12.734598	-0.004787	PASS
N41	30	60	DFT-QPSK	H	Outer_Full	NV	40	-21.899393	-0.008233	PASS
N41	30	60	DFT-QPSK	H	Outer_Full	NV	50	-5.044104	-0.001896	PASS
N41	30	60	DFT-16QAM	H	Outer_Full	NV	-30	-1.583085	-0.000595	PASS
N41	30	60	DFT-16QAM	H	Outer_Full	NV	-20	-9.071147	-0.003410	PASS
N41	30	60	DFT-16QAM	H	Outer_Full	NV	-10	-6.191316	-0.002328	PASS

N41	30	60	DFT-16QAM	H	Outer_Full	NV	0	-6.003602	-0.002257	PASS
N41	30	60	DFT-16QAM	H	Outer_Full	NV	10	-5.674673	-0.002133	PASS
N41	30	60	DFT-16QAM	H	Outer_Full	NV	20	-11.854071	-0.004456	PASS
N41	30	60	DFT-16QAM	H	Outer_Full	NV	30	-6.918080	-0.002601	PASS
N41	30	60	DFT-16QAM	H	Outer_Full	NV	40	-5.847745	-0.002198	PASS
N41	30	60	DFT-16QAM	H	Outer_Full	NV	50	-7.831922	-0.002944	PASS
N41	30	70	DFT-QPSK	L	Outer_Full	NV	-30	-3.290000	-0.001300	PASS
N41	30	70	DFT-QPSK	L	Outer_Full	NV	-20	1.980000	0.000782	PASS
N41	30	80	DFT-QPSK	L	Outer_Full	NV	-30	5.234811	0.002064	PASS
N41	30	80	DFT-QPSK	L	Outer_Full	NV	-20	-2.870641	-0.001132	PASS
N41	30	80	DFT-QPSK	L	Outer_Full	NV	-10	-8.025206	-0.003164	PASS
N41	30	80	DFT-QPSK	L	Outer_Full	NV	0	-12.519308	-0.004937	PASS
N41	30	80	DFT-QPSK	L	Outer_Full	NV	10	-4.101783	-0.001617	PASS
N41	30	80	DFT-QPSK	L	Outer_Full	NV	20	-7.947845	-0.003134	PASS
N41	30	80	DFT-QPSK	L	Outer_Full	NV	30	4.245280	0.001674	PASS
N41	30	80	DFT-QPSK	L	Outer_Full	NV	40	-2.695315	-0.001063	PASS
N41	30	80	DFT-QPSK	L	Outer_Full	NV	50	-7.537550	-0.002972	PASS
N41	30	80	DFT-16QAM	L	Outer_Full	NV	-30	-5.571201	-0.002197	PASS
N41	30	80	DFT-16QAM	L	Outer_Full	NV	-20	0.926979	0.000366	PASS
N41	30	80	DFT-16QAM	L	Outer_Full	NV	-10	-8.236329	-0.003248	PASS
N41	30	80	DFT-16QAM	L	Outer_Full	NV	0	-3.278221	-0.001293	PASS
N41	30	80	DFT-16QAM	L	Outer_Full	NV	10	-10.525115	-0.004150	PASS
N41	30	80	DFT-16QAM	L	Outer_Full	NV	20	5.463128	0.002154	PASS
N41	30	80	DFT-16QAM	L	Outer_Full	NV	30	0.202475	0.000080	PASS
N41	30	80	DFT-16QAM	L	Outer_Full	NV	40	-7.734433	-0.003050	PASS
N41	30	80	DFT-16QAM	L	Outer_Full	NV	50	-5.250717	-0.002070	PASS
N41	30	80	DFT-QPSK	M	Outer_Full	NV	-30	-7.224237	-0.002786	PASS
N41	30	80	DFT-QPSK	M	Outer_Full	NV	-20	-4.245255	-0.001637	PASS
N41	30	80	DFT-QPSK	M	Outer_Full	NV	-10	-10.546203	-0.004067	PASS
N41	30	80	DFT-QPSK	M	Outer_Full	NV	0	-7.998609	-0.003085	PASS
N41	30	80	DFT-QPSK	M	Outer_Full	NV	10	-4.514812	-0.001741	PASS
N41	30	80	DFT-QPSK	M	Outer_Full	NV	20	-6.230119	-0.002403	PASS
N41	30	80	DFT-QPSK	M	Outer_Full	NV	30	-4.058193	-0.001565	PASS
N41	30	80	DFT-QPSK	M	Outer_Full	NV	40	-14.347541	-0.005533	PASS
N41	30	80	DFT-QPSK	M	Outer_Full	NV	50	0.798925	0.000308	PASS
N41	30	80	DFT-16QAM	M	Outer_Full	NV	-30	-11.904787	-0.004591	PASS
N41	30	80	DFT-16QAM	M	Outer_Full	NV	-20	-15.215619	-0.005868	PASS
N41	30	80	DFT-16QAM	M	Outer_Full	NV	-10	1.282602	0.000495	PASS
N41	30	80	DFT-16QAM	M	Outer_Full	NV	0	-5.487103	-0.002116	PASS
N41	30	80	DFT-16QAM	M	Outer_Full	NV	10	0.560111	0.000216	PASS

N41	30	80	DFT-16QAM	M	Outer_Full	NV	20	-6.103477	-0.002354	PASS
N41	30	80	DFT-16QAM	M	Outer_Full	NV	30	0.081636	0.000031	PASS
N41	30	80	DFT-16QAM	M	Outer_Full	NV	40	-7.190388	-0.002773	PASS
N41	30	80	DFT-16QAM	M	Outer_Full	NV	50	-20.357746	-0.007851	PASS
N41	30	80	DFT-QPSK	H	Outer_Full	NV	-30	-10.103648	-0.003813	PASS
N41	30	80	DFT-QPSK	H	Outer_Full	NV	-20	-6.919940	-0.002611	PASS
N41	30	80	DFT-QPSK	H	Outer_Full	NV	-10	-16.404877	-0.006191	PASS
N41	30	80	DFT-QPSK	H	Outer_Full	NV	0	-6.505658	-0.002455	PASS
N41	30	80	DFT-QPSK	H	Outer_Full	NV	10	-12.348803	-0.004660	PASS
N41	30	80	DFT-QPSK	H	Outer_Full	NV	20	-13.014963	-0.004911	PASS
N41	30	80	DFT-QPSK	H	Outer_Full	NV	30	-14.098398	-0.005320	PASS
N41	30	80	DFT-QPSK	H	Outer_Full	NV	40	-11.793179	-0.004450	PASS
N41	30	80	DFT-QPSK	H	Outer_Full	NV	50	-1.087907	-0.000411	PASS
N41	30	80	DFT-16QAM	H	Outer_Full	NV	-30	-8.245827	-0.003112	PASS
N41	30	80	DFT-16QAM	H	Outer_Full	NV	-20	1.291479	0.000487	PASS
N41	30	80	DFT-16QAM	H	Outer_Full	NV	-10	-20.011206	-0.007551	PASS
N41	30	80	DFT-16QAM	H	Outer_Full	NV	0	-0.125509	-0.000047	PASS
N41	30	80	DFT-16QAM	H	Outer_Full	NV	10	-7.282048	-0.002748	PASS
N41	30	80	DFT-16QAM	H	Outer_Full	NV	20	-17.904434	-0.006756	PASS
N41	30	80	DFT-16QAM	H	Outer_Full	NV	30	0.860985	0.000325	PASS
N41	30	80	DFT-16QAM	H	Outer_Full	NV	40	-11.767271	-0.004440	PASS
N41	30	80	DFT-16QAM	H	Outer_Full	NV	50	-14.769247	-0.005573	PASS
N41	30	90	DFT-QPSK	L	Outer_Full	NV	-30	-11.739644	-0.004620	PASS
N41	30	90	DFT-QPSK	L	Outer_Full	NV	-20	-7.750995	-0.003050	PASS
N41	30	90	DFT-QPSK	L	Outer_Full	NV	-10	-3.963789	-0.001560	PASS
N41	30	90	DFT-QPSK	L	Outer_Full	NV	0	-11.613277	-0.004570	PASS
N41	30	90	DFT-QPSK	L	Outer_Full	NV	10	-16.740356	-0.006588	PASS
N41	30	90	DFT-QPSK	L	Outer_Full	NV	20	-7.929008	-0.003120	PASS
N41	30	90	DFT-QPSK	L	Outer_Full	NV	30	2.182424	0.000859	PASS
N41	30	90	DFT-QPSK	L	Outer_Full	NV	40	-9.312248	-0.003665	PASS
N41	30	90	DFT-QPSK	L	Outer_Full	NV	50	-2.324177	-0.000915	PASS
N41	30	90	DFT-16QAM	L	Outer_Full	NV	-30	-3.396513	-0.001337	PASS
N41	30	90	DFT-16QAM	L	Outer_Full	NV	-20	-12.088350	-0.004757	PASS
N41	30	90	DFT-16QAM	L	Outer_Full	NV	-10	5.749752	0.002263	PASS
N41	30	90	DFT-16QAM	L	Outer_Full	NV	0	-9.166740	-0.003608	PASS
N41	30	90	DFT-16QAM	L	Outer_Full	NV	10	-8.803954	-0.003465	PASS
N41	30	90	DFT-16QAM	L	Outer_Full	NV	20	-5.225613	-0.002057	PASS
N41	30	90	DFT-16QAM	L	Outer_Full	NV	30	-3.112719	-0.001225	PASS
N41	30	90	DFT-16QAM	L	Outer_Full	NV	40	-9.378768	-0.003691	PASS
N41	30	90	DFT-16QAM	L	Outer_Full	NV	50	-5.080635	-0.001999	PASS

N41	30	90	DFT-QPSK	M	Outer_Full	NV	-30	-11.139766	-0.004296	PASS
N41	30	90	DFT-QPSK	M	Outer_Full	NV	-20	-16.737898	-0.006455	PASS
N41	30	90	DFT-QPSK	M	Outer_Full	NV	-10	-7.316412	-0.002822	PASS
N41	30	90	DFT-QPSK	M	Outer_Full	NV	0	-3.226771	-0.001244	PASS
N41	30	90	DFT-QPSK	M	Outer_Full	NV	10	-8.517382	-0.003285	PASS
N41	30	90	DFT-QPSK	M	Outer_Full	NV	20	-18.349413	-0.007077	PASS
N41	30	90	DFT-QPSK	M	Outer_Full	NV	30	-1.467479	-0.000566	PASS
N41	30	90	DFT-QPSK	M	Outer_Full	NV	40	-15.699348	-0.006055	PASS
N41	30	90	DFT-QPSK	M	Outer_Full	NV	50	-21.572012	-0.008319	PASS
N41	30	90	DFT-16QAM	M	Outer_Full	NV	-30	-13.241490	-0.005107	PASS
N41	30	90	DFT-16QAM	M	Outer_Full	NV	-20	-14.204243	-0.005478	PASS
N41	30	90	DFT-16QAM	M	Outer_Full	NV	-10	-4.630264	-0.001786	PASS
N41	30	90	DFT-16QAM	M	Outer_Full	NV	0	-9.883508	-0.003812	PASS
N41	30	90	DFT-16QAM	M	Outer_Full	NV	10	-8.168188	-0.003150	PASS
N41	30	90	DFT-16QAM	M	Outer_Full	NV	20	-6.928101	-0.002672	PASS
N41	30	90	DFT-16QAM	M	Outer_Full	NV	30	-4.087435	-0.001576	PASS
N41	30	90	DFT-16QAM	M	Outer_Full	NV	40	-2.241390	-0.000864	PASS
N41	30	90	DFT-16QAM	M	Outer_Full	NV	50	-3.524730	-0.001359	PASS
N41	30	90	DFT-QPSK	H	Outer_Full	NV	-30	-17.757912	-0.006714	PASS
N41	30	90	DFT-QPSK	H	Outer_Full	NV	-20	-19.229002	-0.007270	PASS
N41	30	90	DFT-QPSK	H	Outer_Full	NV	-10	-14.313491	-0.005412	PASS
N41	30	90	DFT-QPSK	H	Outer_Full	NV	0	-14.354194	-0.005427	PASS
N41	30	90	DFT-QPSK	H	Outer_Full	NV	10	-13.364423	-0.005053	PASS
N41	30	90	DFT-QPSK	H	Outer_Full	NV	20	-9.854245	-0.003726	PASS
N41	30	90	DFT-QPSK	H	Outer_Full	NV	30	-10.055735	-0.003802	PASS
N41	30	90	DFT-QPSK	H	Outer_Full	NV	40	-7.089803	-0.002680	PASS
N41	30	90	DFT-QPSK	H	Outer_Full	NV	50	-11.327902	-0.004283	PASS
N41	30	90	DFT-16QAM	H	Outer_Full	NV	-30	-16.880182	-0.006382	PASS
N41	30	90	DFT-16QAM	H	Outer_Full	NV	-20	-18.723625	-0.007079	PASS
N41	30	90	DFT-16QAM	H	Outer_Full	NV	-10	-11.480735	-0.004341	PASS
N41	30	90	DFT-16QAM	H	Outer_Full	NV	0	-17.142103	-0.006481	PASS
N41	30	90	DFT-16QAM	H	Outer_Full	NV	10	-11.371948	-0.004299	PASS
N41	30	90	DFT-16QAM	H	Outer_Full	NV	20	-14.058355	-0.005315	PASS
N41	30	90	DFT-16QAM	H	Outer_Full	NV	30	-15.021659	-0.005679	PASS
N41	30	90	DFT-16QAM	H	Outer_Full	NV	40	-10.504021	-0.003971	PASS
N41	30	90	DFT-16QAM	H	Outer_Full	NV	50	-8.959555	-0.003387	PASS
N41	30	100	DFT-QPSK	L	Outer_Full	NV	-30	-6.907903	-0.002713	PASS
N41	30	100	DFT-QPSK	L	Outer_Full	NV	-20	-13.330938	-0.005236	PASS
N41	30	100	DFT-QPSK	L	Outer_Full	NV	-10	-16.301651	-0.006403	PASS
N41	30	100	DFT-QPSK	L	Outer_Full	NV	0	-0.781543	-0.000307	PASS

N41	30	100	DFT-QPSK	L	Outer_Full	NV	10	-22.632149	-0.008889	PASS
N41	30	100	DFT-QPSK	L	Outer_Full	NV	20	-8.175569	-0.003211	PASS
N41	30	100	DFT-QPSK	L	Outer_Full	NV	30	-8.472323	-0.003328	PASS
N41	30	100	DFT-QPSK	L	Outer_Full	NV	40	-6.078243	-0.002387	PASS
N41	30	100	DFT-QPSK	L	Outer_Full	NV	50	-7.339004	-0.002883	PASS
N41	30	100	DFT-16QAM	L	Outer_Full	NV	-30	3.998373	0.001570	PASS
N41	30	100	DFT-16QAM	L	Outer_Full	NV	-20	-6.025450	-0.002367	PASS
N41	30	100	DFT-16QAM	L	Outer_Full	NV	-10	-4.482052	-0.001760	PASS
N41	30	100	DFT-16QAM	L	Outer_Full	NV	0	-7.294746	-0.002865	PASS
N41	30	100	DFT-16QAM	L	Outer_Full	NV	10	-7.576488	-0.002976	PASS
N41	30	100	DFT-16QAM	L	Outer_Full	NV	20	-5.108159	-0.002006	PASS
N41	30	100	DFT-16QAM	L	Outer_Full	NV	30	-6.293718	-0.002472	PASS
N41	30	100	DFT-16QAM	L	Outer_Full	NV	40	3.240543	0.001273	PASS
N41	30	100	DFT-16QAM	L	Outer_Full	NV	50	-10.466941	-0.004111	PASS
N41	30	100	DFT-QPSK	M	Outer_Full	NV	-30	-6.287205	-0.002425	PASS
N41	30	100	DFT-QPSK	M	Outer_Full	NV	-20	-5.924946	-0.002285	PASS
N41	30	100	DFT-QPSK	M	Outer_Full	NV	-10	-4.816113	-0.001857	PASS
N41	30	100	DFT-QPSK	M	Outer_Full	NV	0	-13.975702	-0.005390	PASS
N41	30	100	DFT-QPSK	M	Outer_Full	NV	10	-8.542694	-0.003295	PASS
N41	30	100	DFT-QPSK	M	Outer_Full	NV	20	-6.432377	-0.002481	PASS
N41	30	100	DFT-QPSK	M	Outer_Full	NV	30	-21.279964	-0.008207	PASS
N41	30	100	DFT-QPSK	M	Outer_Full	NV	40	-3.739254	-0.001442	PASS
N41	30	100	DFT-QPSK	M	Outer_Full	NV	50	-3.985723	-0.001537	PASS
N41	30	100	DFT-16QAM	M	Outer_Full	NV	-30	-8.513194	-0.003283	PASS
N41	30	100	DFT-16QAM	M	Outer_Full	NV	-20	-9.724956	-0.003750	PASS
N41	30	100	DFT-16QAM	M	Outer_Full	NV	-10	-11.268043	-0.004346	PASS
N41	30	100	DFT-16QAM	M	Outer_Full	NV	0	-4.914954	-0.001895	PASS
N41	30	100	DFT-16QAM	M	Outer_Full	NV	10	-0.644082	-0.000248	PASS
N41	30	100	DFT-16QAM	M	Outer_Full	NV	20	-7.812895	-0.003013	PASS
N41	30	100	DFT-16QAM	M	Outer_Full	NV	30	-20.175381	-0.007781	PASS
N41	30	100	DFT-16QAM	M	Outer_Full	NV	40	2.733296	0.001054	PASS
N41	30	100	DFT-16QAM	M	Outer_Full	NV	50	-6.920745	-0.002669	PASS
N41	30	100	DFT-QPSK	H	Outer_Full	NV	-30	-13.392237	-0.005073	PASS
N41	30	100	DFT-QPSK	H	Outer_Full	NV	-20	-5.095572	-0.001930	PASS
N41	30	100	DFT-QPSK	H	Outer_Full	NV	-10	-8.019073	-0.003038	PASS
N41	30	100	DFT-QPSK	H	Outer_Full	NV	0	-8.672822	-0.003285	PASS
N41	30	100	DFT-QPSK	H	Outer_Full	NV	10	-9.895589	-0.003748	PASS
N41	30	100	DFT-QPSK	H	Outer_Full	NV	20	-12.598676	-0.004772	PASS
N41	30	100	DFT-QPSK	H	Outer_Full	NV	30	-8.709387	-0.003299	PASS
N41	30	100	DFT-QPSK	H	Outer_Full	NV	40	-4.201432	-0.001591	PASS

N41	30	100	DFT-QPSK	H	Outer_Full	NV	50	2.136765	0.000809	PASS
N41	30	100	DFT-16QAM	H	Outer_Full	NV	-30	-5.779223	-0.002189	PASS
N41	30	100	DFT-16QAM	H	Outer_Full	NV	-20	-12.878292	-0.004878	PASS
N41	30	100	DFT-16QAM	H	Outer_Full	NV	-10	-9.945254	-0.003767	PASS
N41	30	100	DFT-16QAM	H	Outer_Full	NV	0	-10.461924	-0.003963	PASS
N41	30	100	DFT-16QAM	H	Outer_Full	NV	10	-9.849308	-0.003731	PASS
N41	30	100	DFT-16QAM	H	Outer_Full	NV	20	3.956645	0.001499	PASS
N41	30	100	DFT-16QAM	H	Outer_Full	NV	30	-10.449973	-0.003958	PASS
N41	30	100	DFT-16QAM	H	Outer_Full	NV	40	-5.407494	-0.002048	PASS
N41	30	100	DFT-16QAM	H	Outer_Full	NV	50	-0.085380	-0.000032	PASS
N41	30	70	DFT-QPSK	L	Outer_Full	NV	-10	-1.590000	-0.000628	PASS
N41	30	70	DFT-QPSK	L	Outer_Full	NV	0	-1.990000	-0.000786	PASS
N41	30	70	DFT-QPSK	L	Outer_Full	NV	10	-3.730000	-0.001474	PASS
N41	30	70	DFT-QPSK	L	Outer_Full	NV	20	-2.420000	-0.000956	PASS
N41	30	70	DFT-QPSK	L	Outer_Full	NV	30	-3.050000	-0.001205	PASS
N41	30	70	DFT-QPSK	L	Outer_Full	NV	40	-1.170000	-0.000462	PASS
N41	30	70	DFT-QPSK	L	Outer_Full	NV	50	-1.680000	-0.000664	PASS
N41	30	70	DFT-16QAM	L	Outer_Full	NV	-30	-7.850000	-0.003102	PASS
N41	30	70	DFT-16QAM	L	Outer_Full	NV	-20	-0.970000	-0.000383	PASS
N41	30	70	DFT-16QAM	L	Outer_Full	NV	-10	0.960000	0.000379	PASS
N41	30	70	DFT-16QAM	L	Outer_Full	NV	0	-3.950000	-0.001561	PASS
N41	30	70	DFT-16QAM	L	Outer_Full	NV	10	-2.060000	-0.000814	PASS
N41	30	70	DFT-16QAM	L	Outer_Full	NV	20	-0.830000	-0.000328	PASS
N41	30	70	DFT-16QAM	L	Outer_Full	NV	30	-4.400000	-0.001738	PASS
N41	30	70	DFT-16QAM	L	Outer_Full	NV	40	-1.140000	-0.000450	PASS
N41	30	70	DFT-16QAM	L	Outer_Full	NV	50	-2.440000	-0.000964	PASS
N41	30	70	DFT-QPSK	M	Outer_Full	NV	-30	-5.830000	-0.002248	PASS
N41	30	70	DFT-QPSK	M	Outer_Full	NV	-20	-7.560000	-0.002916	PASS
N41	30	70	DFT-QPSK	M	Outer_Full	NV	-10	-7.100000	-0.002738	PASS
N41	30	70	DFT-QPSK	M	Outer_Full	NV	0	-6.380000	-0.002460	PASS
N41	30	70	DFT-QPSK	M	Outer_Full	NV	10	-5.450000	-0.002102	PASS
N41	30	70	DFT-QPSK	M	Outer_Full	NV	20	-7.250000	-0.002796	PASS
N41	30	70	DFT-QPSK	M	Outer_Full	NV	30	-4.680000	-0.001805	PASS
N41	30	70	DFT-QPSK	M	Outer_Full	NV	40	-9.370000	-0.003614	PASS
N41	30	70	DFT-QPSK	M	Outer_Full	NV	50	-8.650000	-0.003336	PASS
N41	30	70	DFT-16QAM	M	Outer_Full	NV	-30	-5.620000	-0.002167	PASS
N41	30	70	DFT-16QAM	M	Outer_Full	NV	-20	-8.220000	-0.003170	PASS
N41	30	70	DFT-16QAM	M	Outer_Full	NV	-10	-8.580000	-0.003309	PASS
N41	30	70	DFT-16QAM	M	Outer_Full	NV	0	-6.690000	-0.002580	PASS
N41	30	70	DFT-16QAM	M	Outer_Full	NV	10	-2.870000	-0.001107	PASS

N41	30	70	DFT-16QAM	M	Outer_Full	NV	20	-7.210000	-0.002781	PASS
N41	30	70	DFT-16QAM	M	Outer_Full	NV	30	-4.370000	-0.001685	PASS
N41	30	70	DFT-16QAM	M	Outer_Full	NV	40	-11.530000	-0.004447	PASS
N41	30	70	DFT-16QAM	M	Outer_Full	NV	50	-5.470000	-0.002110	PASS
N41	30	70	DFT-QPSK	H	Outer_Full	NV	-30	-1.790000	-0.000674	PASS
N41	30	70	DFT-QPSK	H	Outer_Full	NV	-20	-4.660000	-0.001755	PASS
N41	30	70	DFT-QPSK	H	Outer_Full	NV	-10	0.930000	0.000350	PASS
N41	30	70	DFT-QPSK	H	Outer_Full	NV	0	-9.840000	-0.003706	PASS
N41	30	70	DFT-QPSK	H	Outer_Full	NV	10	-8.480000	-0.003194	PASS
N41	30	70	DFT-QPSK	H	Outer_Full	NV	20	-6.890000	-0.002595	PASS
N41	30	70	DFT-QPSK	H	Outer_Full	NV	30	-6.130000	-0.002309	PASS
N41	30	70	DFT-QPSK	H	Outer_Full	NV	40	-7.580000	-0.002855	PASS
N41	30	70	DFT-QPSK	H	Outer_Full	NV	50	-3.770000	-0.001420	PASS
N41	30	70	DFT-16QAM	H	Outer_Full	NV	-30	-5.120000	-0.001928	PASS
N41	30	70	DFT-16QAM	H	Outer_Full	NV	-20	-3.370000	-0.001269	PASS
N41	30	70	DFT-16QAM	H	Outer_Full	NV	-10	-6.100000	-0.002298	PASS
N41	30	70	DFT-16QAM	H	Outer_Full	NV	0	-5.670000	-0.002136	PASS
N41	30	70	DFT-16QAM	H	Outer_Full	NV	10	-9.060000	-0.003412	PASS
N41	30	70	DFT-16QAM	H	Outer_Full	NV	20	-7.740000	-0.002915	PASS
N41	30	70	DFT-16QAM	H	Outer_Full	NV	30	-12.390000	-0.004667	PASS
N41	30	70	DFT-16QAM	H	Outer_Full	NV	40	-6.820000	-0.002569	PASS
N41	30	70	DFT-16QAM	H	Outer_Full	NV	50	0.290000	0.000109	PASS