



















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	10	DFT-QPSK	L	Outer_Full	VL	NT	-4.67	0.00	PASS
N41	30	10	DFT-QPSK	L	Outer_Full	VN	NT	-3.93	0.00	PASS
N41	30	10	DFT-QPSK	L	Outer_Full	VH	NT	-5.42	0.00	PASS
N41	30	10	DFT-16QAM	L	Outer_Full	VL	NT	-1.29	0.00	PASS
N41	30	10	DFT-16QAM	L	Outer_Full	VN	NT	-6.38	0.00	PASS
N41	30	10	DFT-16QAM	L	Outer_Full	VH	NT	-5.60	0.00	PASS
N41	30	10	DFT-QPSK	M	Outer_Full	VL	NT	0.20	0.00	PASS
N41	30	10	DFT-QPSK	M	Outer_Full	VN	NT	0.77	0.00	PASS
N41	30	10	DFT-QPSK	M	Outer_Full	VH	NT	-0.86	0.00	PASS
N41	30	10	DFT-16QAM	M	Outer_Full	VL	NT	-1.48	0.00	PASS
N41	30	10	DFT-16QAM	M	Outer_Full	VN	NT	-1.05	0.00	PASS
N41	30	10	DFT-16QAM	M	Outer_Full	VH	NT	-0.68	0.00	PASS
N41	30	10	DFT-QPSK	H	Outer_Full	VL	NT	-2.24	0.00	PASS
N41	30	10	DFT-QPSK	H	Outer_Full	VN	NT	1.59	0.00	PASS
N41	30	10	DFT-QPSK	H	Outer_Full	VH	NT	-0.85	0.00	PASS
N41	30	10	DFT-16QAM	H	Outer_Full	VL	NT	-10.14	0.00	PASS
N41	30	10	DFT-16QAM	H	Outer_Full	VN	NT	-7.67	0.00	PASS
N41	30	10	DFT-16QAM	H	Outer_Full	VH	NT	-3.70	0.00	PASS
N41	30	15	DFT-QPSK	L	Outer_Full	VL	NT	-1.97	0.00	PASS
N41	30	15	DFT-QPSK	L	Outer_Full	VN	NT	-1.51	0.00	PASS
N41	30	15	DFT-QPSK	L	Outer_Full	VH	NT	-5.67	0.00	PASS
N41	30	15	DFT-16QAM	L	Outer_Full	VL	NT	-3.05	0.00	PASS
N41	30	15	DFT-16QAM	L	Outer_Full	VN	NT	-6.08	0.00	PASS
N41	30	15	DFT-16QAM	L	Outer_Full	VH	NT	3.78	0.00	PASS
N41	30	15	DFT-QPSK	M	Outer_Full	VL	NT	-7.40	0.00	PASS
N41	30	15	DFT-QPSK	M	Outer_Full	VN	NT	-4.91	0.00	PASS
N41	30	15	DFT-QPSK	M	Outer_Full	VH	NT	-7.88	0.00	PASS
N41	30	15	DFT-16QAM	M	Outer_Full	VL	NT	2.26	0.00	PASS
N41	30	15	DFT-16QAM	M	Outer_Full	VN	NT	0.41	0.00	PASS
N41	30	15	DFT-16QAM	M	Outer_Full	VH	NT	-4.74	0.00	PASS
N41	30	15	DFT-QPSK	H	Outer_Full	VL	NT	2.86	0.00	PASS
N41	30	15	DFT-QPSK	H	Outer_Full	VN	NT	1.12	0.00	PASS

N41	30	15	DFT-QPSK	H	Outer_Full	VH	NT	1.01	0.00	PASS
N41	30	15	DFT-16QAM	H	Outer_Full	VL	NT	-3.44	0.00	PASS
N41	30	15	DFT-16QAM	H	Outer_Full	VN	NT	-4.85	0.00	PASS
N41	30	15	DFT-16QAM	H	Outer_Full	VH	NT	2.85	0.00	PASS
N41	30	20	DFT-QPSK	L	Outer_Full	VL	NT	-0.02	0.00	PASS
N41	30	20	DFT-QPSK	L	Outer_Full	VN	NT	-5.13	0.00	PASS
N41	30	20	DFT-QPSK	L	Outer_Full	VH	NT	-3.44	0.00	PASS
N41	30	20	DFT-16QAM	L	Outer_Full	VL	NT	1.30	0.00	PASS
N41	30	20	DFT-16QAM	L	Outer_Full	VN	NT	-5.60	0.00	PASS
N41	30	20	DFT-16QAM	L	Outer_Full	VH	NT	-0.65	0.00	PASS
N41	30	20	DFT-QPSK	M	Outer_Full	VL	NT	-1.12	0.00	PASS
N41	30	20	DFT-QPSK	M	Outer_Full	VN	NT	1.16	0.00	PASS
N41	30	20	DFT-QPSK	M	Outer_Full	VH	NT	-3.69	0.00	PASS
N41	30	20	DFT-16QAM	M	Outer_Full	VL	NT	0.88	0.00	PASS
N41	30	20	DFT-16QAM	M	Outer_Full	VN	NT	3.67	0.00	PASS
N41	30	20	DFT-16QAM	M	Outer_Full	VH	NT	2.90	0.00	PASS
N41	30	20	DFT-QPSK	H	Outer_Full	VL	NT	-2.20	0.00	PASS
N41	30	20	DFT-QPSK	H	Outer_Full	VN	NT	0.84	0.00	PASS
N41	30	20	DFT-QPSK	H	Outer_Full	VH	NT	-1.33	0.00	PASS
N41	30	20	DFT-16QAM	H	Outer_Full	VL	NT	-4.29	0.00	PASS
N41	30	20	DFT-16QAM	H	Outer_Full	VN	NT	-2.02	0.00	PASS
N41	30	20	DFT-16QAM	H	Outer_Full	VH	NT	2.72	0.00	PASS
N41	30	30	DFT-QPSK	L	Outer_Full	VL	NT	-0.93	0.00	PASS
N41	30	30	DFT-QPSK	L	Outer_Full	VN	NT	4.68	0.00	PASS
N41	30	30	DFT-QPSK	L	Outer_Full	VH	NT	2.60	0.00	PASS
N41	30	30	DFT-16QAM	L	Outer_Full	VL	NT	0.32	0.00	PASS
N41	30	30	DFT-16QAM	L	Outer_Full	VN	NT	-1.81	0.00	PASS
N41	30	30	DFT-16QAM	L	Outer_Full	VH	NT	0.88	0.00	PASS
N41	30	30	DFT-QPSK	M	Outer_Full	VL	NT	-1.63	0.00	PASS
N41	30	30	DFT-QPSK	M	Outer_Full	VN	NT	-5.34	0.00	PASS
N41	30	30	DFT-QPSK	M	Outer_Full	VH	NT	-2.81	0.00	PASS
N41	30	30	DFT-16QAM	M	Outer_Full	VL	NT	-6.73	0.00	PASS
N41	30	30	DFT-16QAM	M	Outer_Full	VN	NT	-2.25	0.00	PASS
N41	30	30	DFT-16QAM	M	Outer_Full	VH	NT	-0.80	0.00	PASS
N41	30	30	DFT-QPSK	H	Outer_Full	VL	NT	4.35	0.00	PASS
N41	30	30	DFT-QPSK	H	Outer_Full	VN	NT	6.40	0.00	PASS
N41	30	30	DFT-QPSK	H	Outer_Full	VH	NT	2.22	0.00	PASS
N41	30	30	DFT-16QAM	H	Outer_Full	VL	NT	3.50	0.00	PASS
N41	30	30	DFT-16QAM	H	Outer_Full	VN	NT	8.80	0.00	PASS
N41	30	30	DFT-16QAM	H	Outer_Full	VH	NT	2.89	0.00	PASS
N41	30	40	DFT-QPSK	L	Outer_Full	VL	NT	-1.43	0.00	PASS

N41	30	40	DFT-QPSK	L	Outer_Full	VN	NT	0.64	0.00	PASS
N41	30	40	DFT-QPSK	L	Outer_Full	VH	NT	-1.01	0.00	PASS
N41	30	40	DFT-16QAM	L	Outer_Full	VL	NT	-1.35	0.00	PASS
N41	30	40	DFT-16QAM	L	Outer_Full	VN	NT	1.09	0.00	PASS
N41	30	40	DFT-16QAM	L	Outer_Full	VH	NT	0.38	0.00	PASS
N41	30	40	DFT-QPSK	M	Outer_Full	VL	NT	3.67	0.00	PASS
N41	30	40	DFT-QPSK	M	Outer_Full	VN	NT	-4.71	0.00	PASS
N41	30	40	DFT-QPSK	M	Outer_Full	VH	NT	2.86	0.00	PASS
N41	30	40	DFT-16QAM	M	Outer_Full	VL	NT	2.28	0.00	PASS
N41	30	40	DFT-16QAM	M	Outer_Full	VN	NT	0.83	0.00	PASS
N41	30	40	DFT-16QAM	M	Outer_Full	VH	NT	0.78	0.00	PASS
N41	30	40	DFT-QPSK	H	Outer_Full	VL	NT	-1.92	0.00	PASS
N41	30	40	DFT-QPSK	H	Outer_Full	VN	NT	-6.26	0.00	PASS
N41	30	40	DFT-QPSK	H	Outer_Full	VH	NT	3.29	0.00	PASS
N41	30	40	DFT-16QAM	H	Outer_Full	VL	NT	-0.89	0.00	PASS
N41	30	40	DFT-16QAM	H	Outer_Full	VN	NT	-3.87	0.00	PASS
N41	30	40	DFT-16QAM	H	Outer_Full	VH	NT	0.19	0.00	PASS
N41	30	60	DFT-QPSK	L	Outer_Full	VL	NT	-2.43	0.00	PASS
N41	30	60	DFT-QPSK	L	Outer_Full	VN	NT	-8.22	0.00	PASS
N41	30	60	DFT-QPSK	L	Outer_Full	VH	NT	5.48	0.00	PASS
N41	30	60	DFT-16QAM	L	Outer_Full	VL	NT	2.67	0.00	PASS
N41	30	60	DFT-16QAM	L	Outer_Full	VN	NT	-0.91	0.00	PASS
N41	30	60	DFT-16QAM	L	Outer_Full	VH	NT	3.16	0.00	PASS
N41	30	60	DFT-QPSK	M	Outer_Full	VL	NT	-3.44	0.00	PASS
N41	30	60	DFT-QPSK	M	Outer_Full	VN	NT	4.00	0.00	PASS
N41	30	60	DFT-QPSK	M	Outer_Full	VH	NT	-2.31	0.00	PASS
N41	30	60	DFT-16QAM	M	Outer_Full	VL	NT	-3.43	0.00	PASS
N41	30	60	DFT-16QAM	M	Outer_Full	VN	NT	2.59	0.00	PASS
N41	30	60	DFT-16QAM	M	Outer_Full	VH	NT	-3.24	0.00	PASS
N41	30	60	DFT-QPSK	H	Outer_Full	VL	NT	-7.08	0.00	PASS
N41	30	60	DFT-QPSK	H	Outer_Full	VN	NT	-3.09	0.00	PASS
N41	30	60	DFT-QPSK	H	Outer_Full	VH	NT	-2.91	0.00	PASS
N41	30	60	DFT-16QAM	H	Outer_Full	VL	NT	-3.91	0.00	PASS
N41	30	60	DFT-16QAM	H	Outer_Full	VN	NT	-1.31	0.00	PASS
N41	30	60	DFT-16QAM	H	Outer_Full	VH	NT	-5.89	0.00	PASS
N41	30	80	DFT-QPSK	L	Outer_Full	VL	NT	-0.91	0.00	PASS
N41	30	80	DFT-QPSK	L	Outer_Full	VN	NT	-5.39	0.00	PASS
N41	30	80	DFT-QPSK	L	Outer_Full	VH	NT	1.41	0.00	PASS
N41	30	80	DFT-16QAM	L	Outer_Full	VL	NT	-0.03	0.00	PASS
N41	30	80	DFT-16QAM	L	Outer_Full	VN	NT	-0.43	0.00	PASS
N41	30	80	DFT-16QAM	L	Outer_Full	VH	NT	2.18	0.00	PASS

N41	30	80	DFT-QPSK	M	Outer_Full	VL	NT	1.99	0.00	PASS
N41	30	80	DFT-QPSK	M	Outer_Full	VN	NT	-0.45	0.00	PASS
N41	30	80	DFT-QPSK	M	Outer_Full	VH	NT	0.20	0.00	PASS
N41	30	80	DFT-16QAM	M	Outer_Full	VL	NT	-7.92	0.00	PASS
N41	30	80	DFT-16QAM	M	Outer_Full	VN	NT	-0.61	0.00	PASS
N41	30	80	DFT-16QAM	M	Outer_Full	VH	NT	4.36	0.00	PASS
N41	30	80	DFT-QPSK	H	Outer_Full	VL	NT	0.77	0.00	PASS
N41	30	80	DFT-QPSK	H	Outer_Full	VN	NT	-0.86	0.00	PASS
N41	30	80	DFT-QPSK	H	Outer_Full	VH	NT	1.78	0.00	PASS
N41	30	80	DFT-16QAM	H	Outer_Full	VL	NT	-1.11	0.00	PASS
N41	30	80	DFT-16QAM	H	Outer_Full	VN	NT	-1.69	0.00	PASS
N41	30	80	DFT-16QAM	H	Outer_Full	VH	NT	-1.12	0.00	PASS
N41	30	100	DFT-QPSK	L	Outer_Full	VL	NT	-0.85	0.00	PASS
N41	30	100	DFT-QPSK	L	Outer_Full	VN	NT	-2.86	0.00	PASS
N41	30	100	DFT-QPSK	L	Outer_Full	VH	NT	1.82	0.00	PASS
N41	30	100	DFT-16QAM	L	Outer_Full	VL	NT	4.76	0.00	PASS
N41	30	100	DFT-16QAM	L	Outer_Full	VN	NT	5.72	0.00	PASS
N41	30	100	DFT-16QAM	L	Outer_Full	VH	NT	0.06	0.00	PASS
N41	30	100	DFT-QPSK	M	Outer_Full	VL	NT	-2.82	0.00	PASS
N41	30	100	DFT-QPSK	M	Outer_Full	VN	NT	-4.86	0.00	PASS
N41	30	100	DFT-QPSK	M	Outer_Full	VH	NT	-0.85	0.00	PASS
N41	30	100	DFT-16QAM	M	Outer_Full	VL	NT	0.84	0.00	PASS
N41	30	100	DFT-16QAM	M	Outer_Full	VN	NT	1.44	0.00	PASS
N41	30	100	DFT-16QAM	M	Outer_Full	VH	NT	-0.16	0.00	PASS
N41	30	100	DFT-QPSK	H	Outer_Full	VL	NT	-6.89	0.00	PASS
N41	30	100	DFT-QPSK	H	Outer_Full	VN	NT	0.11	0.00	PASS
N41	30	100	DFT-QPSK	H	Outer_Full	VH	NT	-5.13	0.00	PASS
N41	30	100	DFT-16QAM	H	Outer_Full	VL	NT	-3.34	0.00	PASS
N41	30	100	DFT-16QAM	H	Outer_Full	VN	NT	-6.69	0.00	PASS
N41	30	100	DFT-16QAM	H	Outer_Full	VH	NT	-2.76	0.00	PASS

Frequency Error VS. Temperature

Voltage										
Band	SCS	Bandwidth	Modulation	Channel	RB Config	Voltage	Temperature	Deviation(Hz)	Deviation (ppm)	Verdict
N41	30	10	DFT-QPSK	L	Outer_Full	NV	-30	-5.244236	-0.002097	PASS
N41	30	10	DFT-QPSK	L	Outer_Full	NV	-20	-3.712293	-0.001484	PASS
N41	30	10	DFT-QPSK	L	Outer_Full	NV	-10	-4.313122	-0.001725	PASS
N41	30	10	DFT-QPSK	L	Outer_Full	NV	0	-2.864065	-0.001145	PASS
N41	30	10	DFT-QPSK	L	Outer_Full	NV	10	-1.146848	-0.000459	PASS

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N41	30	10	DFT-QPSK	L	Outer_Full	NV	20	-3.961698	-0.001584	PASS
N41	30	10	DFT-QPSK	L	Outer_Full	NV	30	-4.080025	-0.001631	PASS
N41	30	10	DFT-QPSK	L	Outer_Full	NV	40	-8.135124	-0.003253	PASS
N41	30	10	DFT-QPSK	L	Outer_Full	NV	50	-4.672619	-0.001868	PASS
N41	30	10	DFT-16QAM	L	Outer_Full	NV	-30	-2.849585	-0.001139	PASS
N41	30	10	DFT-16QAM	L	Outer_Full	NV	-20	-2.897198	-0.001158	PASS
N41	30	10	DFT-16QAM	L	Outer_Full	NV	-10	-0.766659	-0.000307	PASS
N41	30	10	DFT-16QAM	L	Outer_Full	NV	0	-5.713730	-0.002285	PASS
N41	30	10	DFT-16QAM	L	Outer_Full	NV	10	-3.179445	-0.001271	PASS
N41	30	10	DFT-16QAM	L	Outer_Full	NV	20	-4.382428	-0.001752	PASS
N41	30	10	DFT-16QAM	L	Outer_Full	NV	30	-2.449114	-0.000979	PASS
N41	30	10	DFT-16QAM	L	Outer_Full	NV	40	-8.034548	-0.003213	PASS
N41	30	10	DFT-16QAM	L	Outer_Full	NV	50	-1.766730	-0.000706	PASS
N41	30	10	DFT-QPSK	M	Outer_Full	NV	-30	-3.687664	-0.001422	PASS
N41	30	10	DFT-QPSK	M	Outer_Full	NV	-20	2.684748	0.001035	PASS
N41	30	10	DFT-QPSK	M	Outer_Full	NV	-10	2.588132	0.000998	PASS
N41	30	10	DFT-QPSK	M	Outer_Full	NV	0	-1.318655	-0.000509	PASS
N41	30	10	DFT-QPSK	M	Outer_Full	NV	10	-1.218901	-0.000470	PASS
N41	30	10	DFT-QPSK	M	Outer_Full	NV	20	-3.048087	-0.001176	PASS
N41	30	10	DFT-QPSK	M	Outer_Full	NV	30	1.463271	0.000564	PASS
N41	30	10	DFT-QPSK	M	Outer_Full	NV	40	-3.247527	-0.001252	PASS
N41	30	10	DFT-QPSK	M	Outer_Full	NV	50	-2.240797	-0.000864	PASS
N41	30	10	DFT-16QAM	M	Outer_Full	NV	-30	-1.779730	-0.000686	PASS
N41	30	10	DFT-16QAM	M	Outer_Full	NV	-20	0.967071	0.000373	PASS
N41	30	10	DFT-16QAM	M	Outer_Full	NV	-10	0.995515	0.000384	PASS
N41	30	10	DFT-16QAM	M	Outer_Full	NV	0	-0.389477	-0.000150	PASS
N41	30	10	DFT-16QAM	M	Outer_Full	NV	10	-1.273718	-0.000491	PASS
N41	30	10	DFT-16QAM	M	Outer_Full	NV	20	-2.984781	-0.001151	PASS
N41	30	10	DFT-16QAM	M	Outer_Full	NV	30	-2.573971	-0.000993	PASS
N41	30	10	DFT-16QAM	M	Outer_Full	NV	40	1.650915	0.000637	PASS
N41	30	10	DFT-16QAM	M	Outer_Full	NV	50	2.492982	0.000961	PASS
N41	30	10	DFT-QPSK	H	Outer_Full	NV	-30	-2.094668	-0.000780	PASS
N41	30	10	DFT-QPSK	H	Outer_Full	NV	-20	-6.730183	-0.002507	PASS
N41	30	10	DFT-QPSK	H	Outer_Full	NV	-10	-5.567692	-0.002074	PASS
N41	30	10	DFT-QPSK	H	Outer_Full	NV	0	-2.607941	-0.000971	PASS
N41	30	10	DFT-QPSK	H	Outer_Full	NV	10	-7.881570	-0.002935	PASS
N41	30	10	DFT-QPSK	H	Outer_Full	NV	20	-4.921004	-0.001833	PASS
N41	30	10	DFT-QPSK	H	Outer_Full	NV	30	-4.060210	-0.001512	PASS
N41	30	10	DFT-QPSK	H	Outer_Full	NV	40	-1.795596	-0.000669	PASS
N41	30	10	DFT-QPSK	H	Outer_Full	NV	50	-0.152242	-0.000057	PASS
N41	30	10	DFT-16QAM	H	Outer_Full	NV	-30	-2.824183	-0.001052	PASS

N41	30	10	DFT-16QAM	H	Outer_Full	NV	-20	-2.682784	-0.000999	PASS
N41	30	10	DFT-16QAM	H	Outer_Full	NV	-10	-6.053433	-0.002255	PASS
N41	30	10	DFT-16QAM	H	Outer_Full	NV	0	-1.049803	-0.000391	PASS
N41	30	10	DFT-16QAM	H	Outer_Full	NV	10	-2.442423	-0.000910	PASS
N41	30	10	DFT-16QAM	H	Outer_Full	NV	20	-3.313663	-0.001234	PASS
N41	30	10	DFT-16QAM	H	Outer_Full	NV	30	-5.669964	-0.002112	PASS
N41	30	10	DFT-16QAM	H	Outer_Full	NV	40	-4.027703	-0.001500	PASS
N41	30	10	DFT-16QAM	H	Outer_Full	NV	50	-5.716798	-0.002129	PASS
N41	30	15	DFT-QPSK	L	Outer_Full	NV	-30	-2.320455	-0.000927	PASS
N41	30	15	DFT-QPSK	L	Outer_Full	NV	-20	-5.756539	-0.002299	PASS
N41	30	15	DFT-QPSK	L	Outer_Full	NV	-10	-4.298995	-0.001717	PASS
N41	30	15	DFT-QPSK	L	Outer_Full	NV	0	-0.917663	-0.000367	PASS
N41	30	15	DFT-QPSK	L	Outer_Full	NV	10	-1.163123	-0.000465	PASS
N41	30	15	DFT-QPSK	L	Outer_Full	NV	20	-2.727265	-0.001089	PASS
N41	30	15	DFT-QPSK	L	Outer_Full	NV	30	1.267463	0.000506	PASS
N41	30	15	DFT-QPSK	L	Outer_Full	NV	40	4.544983	0.001815	PASS
N41	30	15	DFT-QPSK	L	Outer_Full	NV	50	-5.817738	-0.002324	PASS
N41	30	15	DFT-16QAM	L	Outer_Full	NV	-30	-3.123490	-0.001248	PASS
N41	30	15	DFT-16QAM	L	Outer_Full	NV	-20	-9.043571	-0.003612	PASS
N41	30	15	DFT-16QAM	L	Outer_Full	NV	-10	-5.634470	-0.002251	PASS
N41	30	15	DFT-16QAM	L	Outer_Full	NV	0	-1.054807	-0.000421	PASS
N41	30	15	DFT-16QAM	L	Outer_Full	NV	10	-2.773616	-0.001108	PASS
N41	30	15	DFT-16QAM	L	Outer_Full	NV	20	-5.263669	-0.002103	PASS
N41	30	15	DFT-16QAM	L	Outer_Full	NV	30	-2.696509	-0.001077	PASS
N41	30	15	DFT-16QAM	L	Outer_Full	NV	40	1.970903	0.000787	PASS
N41	30	15	DFT-16QAM	L	Outer_Full	NV	50	2.184582	0.000873	PASS
N41	30	15	DFT-QPSK	M	Outer_Full	NV	-30	-5.901455	-0.002276	PASS
N41	30	15	DFT-QPSK	M	Outer_Full	NV	-20	-0.859284	-0.000331	PASS
N41	30	15	DFT-QPSK	M	Outer_Full	NV	-10	0.434630	0.000168	PASS
N41	30	15	DFT-QPSK	M	Outer_Full	NV	0	-2.332378	-0.000899	PASS
N41	30	15	DFT-QPSK	M	Outer_Full	NV	10	-3.767653	-0.001453	PASS
N41	30	15	DFT-QPSK	M	Outer_Full	NV	20	0.593758	0.000229	PASS
N41	30	15	DFT-QPSK	M	Outer_Full	NV	30	-4.336662	-0.001672	PASS
N41	30	15	DFT-QPSK	M	Outer_Full	NV	40	-5.228691	-0.002016	PASS
N41	30	15	DFT-QPSK	M	Outer_Full	NV	50	-6.593523	-0.002543	PASS
N41	30	15	DFT-16QAM	M	Outer_Full	NV	-30	1.788746	0.000690	PASS
N41	30	15	DFT-16QAM	M	Outer_Full	NV	-20	-2.182400	-0.000842	PASS
N41	30	15	DFT-16QAM	M	Outer_Full	NV	-10	-1.493742	-0.000576	PASS
N41	30	15	DFT-16QAM	M	Outer_Full	NV	0	1.479642	0.000571	PASS
N41	30	15	DFT-16QAM	M	Outer_Full	NV	10	-3.218602	-0.001241	PASS
N41	30	15	DFT-16QAM	M	Outer_Full	NV	20	-4.787773	-0.001846	PASS

N41	30	15	DFT-16QAM	M	Outer_Full	NV	30	-2.334979	-0.000900	PASS
N41	30	15	DFT-16QAM	M	Outer_Full	NV	40	-4.921711	-0.001898	PASS
N41	30	15	DFT-16QAM	M	Outer_Full	NV	50	-4.180423	-0.001612	PASS
N41	30	15	DFT-QPSK	H	Outer_Full	NV	-30	-8.530420	-0.003180	PASS
N41	30	15	DFT-QPSK	H	Outer_Full	NV	-20	1.033707	0.000385	PASS
N41	30	15	DFT-QPSK	H	Outer_Full	NV	-10	-2.292307	-0.000855	PASS
N41	30	15	DFT-QPSK	H	Outer_Full	NV	0	5.049251	0.001882	PASS
N41	30	15	DFT-QPSK	H	Outer_Full	NV	10	-0.423193	-0.000158	PASS
N41	30	15	DFT-QPSK	H	Outer_Full	NV	20	2.243235	0.000836	PASS
N41	30	15	DFT-QPSK	H	Outer_Full	NV	30	-1.368675	-0.000510	PASS
N41	30	15	DFT-QPSK	H	Outer_Full	NV	40	-0.573268	-0.000214	PASS
N41	30	15	DFT-QPSK	H	Outer_Full	NV	50	2.669502	0.000995	PASS
N41	30	15	DFT-16QAM	H	Outer_Full	NV	-30	3.996782	0.001490	PASS
N41	30	15	DFT-16QAM	H	Outer_Full	NV	-20	-0.100706	-0.000038	PASS
N41	30	15	DFT-16QAM	H	Outer_Full	NV	-10	-3.311112	-0.001234	PASS
N41	30	15	DFT-16QAM	H	Outer_Full	NV	0	4.361232	0.001626	PASS
N41	30	15	DFT-16QAM	H	Outer_Full	NV	10	-2.048946	-0.000764	PASS
N41	30	15	DFT-16QAM	H	Outer_Full	NV	20	5.313272	0.001981	PASS
N41	30	15	DFT-16QAM	H	Outer_Full	NV	30	0.961819	0.000359	PASS
N41	30	15	DFT-16QAM	H	Outer_Full	NV	40	-2.408139	-0.000898	PASS
N41	30	15	DFT-16QAM	H	Outer_Full	NV	50	-0.373172	-0.000139	PASS
N41	30	20	DFT-QPSK	L	Outer_Full	NV	-30	-8.809052	-0.003515	PASS
N41	30	20	DFT-QPSK	L	Outer_Full	NV	-20	-2.126101	-0.000848	PASS
N41	30	20	DFT-QPSK	L	Outer_Full	NV	-10	2.719855	0.001085	PASS
N41	30	20	DFT-QPSK	L	Outer_Full	NV	0	-1.896877	-0.000757	PASS
N41	30	20	DFT-QPSK	L	Outer_Full	NV	10	-3.883248	-0.001550	PASS
N41	30	20	DFT-QPSK	L	Outer_Full	NV	20	-2.141315	-0.000854	PASS
N41	30	20	DFT-QPSK	L	Outer_Full	NV	30	-5.683650	-0.002268	PASS
N41	30	20	DFT-QPSK	L	Outer_Full	NV	40	-1.711729	-0.000683	PASS
N41	30	20	DFT-QPSK	L	Outer_Full	NV	50	1.586100	0.000633	PASS
N41	30	20	DFT-16QAM	L	Outer_Full	NV	-30	0.115230	0.000046	PASS
N41	30	20	DFT-16QAM	L	Outer_Full	NV	-20	-0.877979	-0.000350	PASS
N41	30	20	DFT-16QAM	L	Outer_Full	NV	-10	-2.121890	-0.000847	PASS
N41	30	20	DFT-16QAM	L	Outer_Full	NV	0	-4.070553	-0.001624	PASS
N41	30	20	DFT-16QAM	L	Outer_Full	NV	10	-3.882854	-0.001549	PASS
N41	30	20	DFT-16QAM	L	Outer_Full	NV	20	-5.034791	-0.002009	PASS
N41	30	20	DFT-16QAM	L	Outer_Full	NV	30	-0.065737	-0.000026	PASS
N41	30	20	DFT-16QAM	L	Outer_Full	NV	40	-0.420907	-0.000168	PASS
N41	30	20	DFT-16QAM	L	Outer_Full	NV	50	-1.161299	-0.000463	PASS
N41	30	20	DFT-QPSK	M	Outer_Full	NV	-30	-0.208050	-0.000080	PASS
N41	30	20	DFT-QPSK	M	Outer_Full	NV	-20	0.437654	0.000169	PASS

N41	30	20	DFT-QPSK	M	Outer_Full	NV	-10	-0.903839	-0.000349	PASS
N41	30	20	DFT-QPSK	M	Outer_Full	NV	0	-1.336456	-0.000515	PASS
N41	30	20	DFT-QPSK	M	Outer_Full	NV	10	-0.121298	-0.000047	PASS
N41	30	20	DFT-QPSK	M	Outer_Full	NV	20	-1.244288	-0.000480	PASS
N41	30	20	DFT-QPSK	M	Outer_Full	NV	30	-5.428711	-0.002094	PASS
N41	30	20	DFT-QPSK	M	Outer_Full	NV	40	-7.196680	-0.002775	PASS
N41	30	20	DFT-QPSK	M	Outer_Full	NV	50	0.103154	0.000040	PASS
N41	30	20	DFT-16QAM	M	Outer_Full	NV	-30	-0.158067	-0.000061	PASS
N41	30	20	DFT-16QAM	M	Outer_Full	NV	-20	1.814020	0.000700	PASS
N41	30	20	DFT-16QAM	M	Outer_Full	NV	-10	-2.139716	-0.000825	PASS
N41	30	20	DFT-16QAM	M	Outer_Full	NV	0	-1.761989	-0.000680	PASS
N41	30	20	DFT-16QAM	M	Outer_Full	NV	10	-1.476232	-0.000569	PASS
N41	30	20	DFT-16QAM	M	Outer_Full	NV	20	-0.380133	-0.000147	PASS
N41	30	20	DFT-16QAM	M	Outer_Full	NV	30	-2.921804	-0.001127	PASS
N41	30	20	DFT-16QAM	M	Outer_Full	NV	40	-1.257998	-0.000485	PASS
N41	30	20	DFT-16QAM	M	Outer_Full	NV	50	-0.670988	-0.000259	PASS
N41	30	20	DFT-QPSK	H	Outer_Full	NV	-30	-1.587070	-0.000592	PASS
N41	30	20	DFT-QPSK	H	Outer_Full	NV	-20	-3.849271	-0.001436	PASS
N41	30	20	DFT-QPSK	H	Outer_Full	NV	-10	-4.440071	-0.001657	PASS
N41	30	20	DFT-QPSK	H	Outer_Full	NV	0	5.142358	0.001919	PASS
N41	30	20	DFT-QPSK	H	Outer_Full	NV	10	1.288971	0.000481	PASS
N41	30	20	DFT-QPSK	H	Outer_Full	NV	20	0.284122	0.000106	PASS
N41	30	20	DFT-QPSK	H	Outer_Full	NV	30	-3.081508	-0.001150	PASS
N41	30	20	DFT-QPSK	H	Outer_Full	NV	40	-5.878413	-0.002193	PASS
N41	30	20	DFT-QPSK	H	Outer_Full	NV	50	2.307569	0.000861	PASS
N41	30	20	DFT-16QAM	H	Outer_Full	NV	-30	-1.406269	-0.000525	PASS
N41	30	20	DFT-16QAM	H	Outer_Full	NV	-20	3.655634	0.001364	PASS
N41	30	20	DFT-16QAM	H	Outer_Full	NV	-10	0.169100	0.000063	PASS
N41	30	20	DFT-16QAM	H	Outer_Full	NV	0	-2.446130	-0.000913	PASS
N41	30	20	DFT-16QAM	H	Outer_Full	NV	10	-2.559120	-0.000955	PASS
N41	30	20	DFT-16QAM	H	Outer_Full	NV	20	3.686333	0.001376	PASS
N41	30	20	DFT-16QAM	H	Outer_Full	NV	30	-2.930900	-0.001094	PASS
N41	30	20	DFT-16QAM	H	Outer_Full	NV	40	-1.019794	-0.000381	PASS
N41	30	20	DFT-16QAM	H	Outer_Full	NV	50	4.150759	0.001549	PASS
N41	30	30	DFT-QPSK	L	Outer_Full	NV	-30	-1.760311	-0.000701	PASS
N41	30	30	DFT-QPSK	L	Outer_Full	NV	-20	-4.719634	-0.001880	PASS
N41	30	30	DFT-QPSK	L	Outer_Full	NV	-10	2.062768	0.000821	PASS
N41	30	30	DFT-QPSK	L	Outer_Full	NV	0	-0.292774	-0.000117	PASS
N41	30	30	DFT-QPSK	L	Outer_Full	NV	10	-7.342398	-0.002924	PASS
N41	30	30	DFT-QPSK	L	Outer_Full	NV	20	-0.369158	-0.000147	PASS
N41	30	30	DFT-QPSK	L	Outer_Full	NV	30	-4.335986	-0.001727	PASS

N41	30	30	DFT-QPSK	L	Outer_Full	NV	40	0.035983	0.000014	PASS
N41	30	30	DFT-QPSK	L	Outer_Full	NV	50	1.530901	0.000610	PASS
N41	30	30	DFT-16QAM	L	Outer_Full	NV	-30	-2.059435	-0.000820	PASS
N41	30	30	DFT-16QAM	L	Outer_Full	NV	-20	1.972787	0.000786	PASS
N41	30	30	DFT-16QAM	L	Outer_Full	NV	-10	-2.208316	-0.000879	PASS
N41	30	30	DFT-16QAM	L	Outer_Full	NV	0	4.345039	0.001730	PASS
N41	30	30	DFT-16QAM	L	Outer_Full	NV	10	-1.517334	-0.000604	PASS
N41	30	30	DFT-16QAM	L	Outer_Full	NV	20	-2.186421	-0.000871	PASS
N41	30	30	DFT-16QAM	L	Outer_Full	NV	30	1.242913	0.000495	PASS
N41	30	30	DFT-16QAM	L	Outer_Full	NV	40	5.521733	0.002199	PASS
N41	30	30	DFT-16QAM	L	Outer_Full	NV	50	3.502265	0.001395	PASS
N41	30	30	DFT-QPSK	M	Outer_Full	NV	-30	-5.845132	-0.002254	PASS
N41	30	30	DFT-QPSK	M	Outer_Full	NV	-20	0.158968	0.000061	PASS
N41	30	30	DFT-QPSK	M	Outer_Full	NV	-10	-3.461381	-0.001335	PASS
N41	30	30	DFT-QPSK	M	Outer_Full	NV	0	-1.505869	-0.000581	PASS
N41	30	30	DFT-QPSK	M	Outer_Full	NV	10	-2.760075	-0.001064	PASS
N41	30	30	DFT-QPSK	M	Outer_Full	NV	20	-7.455256	-0.002875	PASS
N41	30	30	DFT-QPSK	M	Outer_Full	NV	30	-0.918517	-0.000354	PASS
N41	30	30	DFT-QPSK	M	Outer_Full	NV	40	-3.420900	-0.001319	PASS
N41	30	30	DFT-QPSK	M	Outer_Full	NV	50	-1.253997	-0.000484	PASS
N41	30	30	DFT-16QAM	M	Outer_Full	NV	-30	-1.360980	-0.000525	PASS
N41	30	30	DFT-16QAM	M	Outer_Full	NV	-20	2.201535	0.000849	PASS
N41	30	30	DFT-16QAM	M	Outer_Full	NV	-10	-7.262636	-0.002801	PASS
N41	30	30	DFT-16QAM	M	Outer_Full	NV	0	-6.590822	-0.002542	PASS
N41	30	30	DFT-16QAM	M	Outer_Full	NV	10	-2.488787	-0.000960	PASS
N41	30	30	DFT-16QAM	M	Outer_Full	NV	20	0.655679	0.000253	PASS
N41	30	30	DFT-16QAM	M	Outer_Full	NV	30	-0.231391	-0.000089	PASS
N41	30	30	DFT-16QAM	M	Outer_Full	NV	40	-9.217052	-0.003555	PASS
N41	30	30	DFT-16QAM	M	Outer_Full	NV	50	-2.416247	-0.000932	PASS
N41	30	30	DFT-QPSK	H	Outer_Full	NV	-30	5.187188	0.001939	PASS
N41	30	30	DFT-QPSK	H	Outer_Full	NV	-20	2.349771	0.000878	PASS
N41	30	30	DFT-QPSK	H	Outer_Full	NV	-10	0.978547	0.000366	PASS
N41	30	30	DFT-QPSK	H	Outer_Full	NV	0	8.375351	0.003131	PASS
N41	30	30	DFT-QPSK	H	Outer_Full	NV	10	5.848492	0.002186	PASS
N41	30	30	DFT-QPSK	H	Outer_Full	NV	20	6.718345	0.002512	PASS
N41	30	30	DFT-QPSK	H	Outer_Full	NV	30	1.643456	0.000614	PASS
N41	30	30	DFT-QPSK	H	Outer_Full	NV	40	1.383905	0.000517	PASS
N41	30	30	DFT-QPSK	H	Outer_Full	NV	50	6.178483	0.002310	PASS
N41	30	30	DFT-16QAM	H	Outer_Full	NV	-30	4.055983	0.001516	PASS
N41	30	30	DFT-16QAM	H	Outer_Full	NV	-20	1.132706	0.000423	PASS
N41	30	30	DFT-16QAM	H	Outer_Full	NV	-10	5.359134	0.002003	PASS

N41	30	30	DFT-16QAM	H	Outer_Full	NV	0	7.210460	0.002696	PASS
N41	30	30	DFT-16QAM	H	Outer_Full	NV	10	4.807107	0.001797	PASS
N41	30	30	DFT-16QAM	H	Outer_Full	NV	20	1.560888	0.000584	PASS
N41	30	30	DFT-16QAM	H	Outer_Full	NV	30	4.351339	0.001627	PASS
N41	30	30	DFT-16QAM	H	Outer_Full	NV	40	0.114345	0.000043	PASS
N41	30	30	DFT-16QAM	H	Outer_Full	NV	50	-0.475093	-0.000178	PASS
N41	30	40	DFT-QPSK	L	Outer_Full	NV	-30	-0.387192	-0.000154	PASS
N41	30	40	DFT-QPSK	L	Outer_Full	NV	-20	-1.430235	-0.000568	PASS
N41	30	40	DFT-QPSK	L	Outer_Full	NV	-10	0.567998	0.000226	PASS
N41	30	40	DFT-QPSK	L	Outer_Full	NV	0	0.967375	0.000384	PASS
N41	30	40	DFT-QPSK	L	Outer_Full	NV	10	-0.373094	-0.000148	PASS
N41	30	40	DFT-QPSK	L	Outer_Full	NV	20	0.838643	0.000333	PASS
N41	30	40	DFT-QPSK	L	Outer_Full	NV	30	-4.150535	-0.001650	PASS
N41	30	40	DFT-QPSK	L	Outer_Full	NV	40	2.617446	0.001040	PASS
N41	30	40	DFT-QPSK	L	Outer_Full	NV	50	-2.811005	-0.001117	PASS
N41	30	40	DFT-16QAM	L	Outer_Full	NV	-30	0.626421	0.000249	PASS
N41	30	40	DFT-16QAM	L	Outer_Full	NV	-20	2.687533	0.001068	PASS
N41	30	40	DFT-16QAM	L	Outer_Full	NV	-10	-2.740021	-0.001089	PASS
N41	30	40	DFT-16QAM	L	Outer_Full	NV	0	5.435318	0.002160	PASS
N41	30	40	DFT-16QAM	L	Outer_Full	NV	10	-0.610976	-0.000243	PASS
N41	30	40	DFT-16QAM	L	Outer_Full	NV	20	-7.221607	-0.002870	PASS
N41	30	40	DFT-16QAM	L	Outer_Full	NV	30	0.199888	0.000079	PASS
N41	30	40	DFT-16QAM	L	Outer_Full	NV	40	0.896320	0.000356	PASS
N41	30	40	DFT-16QAM	L	Outer_Full	NV	50	0.190856	0.000076	PASS
N41	30	40	DFT-QPSK	M	Outer_Full	NV	-30	0.524683	0.000202	PASS
N41	30	40	DFT-QPSK	M	Outer_Full	NV	-20	1.610236	0.000621	PASS
N41	30	40	DFT-QPSK	M	Outer_Full	NV	-10	0.942934	0.000364	PASS
N41	30	40	DFT-QPSK	M	Outer_Full	NV	0	0.937337	0.000361	PASS
N41	30	40	DFT-QPSK	M	Outer_Full	NV	10	2.954575	0.001139	PASS
N41	30	40	DFT-QPSK	M	Outer_Full	NV	20	-0.228097	-0.000088	PASS
N41	30	40	DFT-QPSK	M	Outer_Full	NV	30	1.377533	0.000531	PASS
N41	30	40	DFT-QPSK	M	Outer_Full	NV	40	-2.355376	-0.000908	PASS
N41	30	40	DFT-QPSK	M	Outer_Full	NV	50	0.983932	0.000379	PASS
N41	30	40	DFT-16QAM	M	Outer_Full	NV	-30	4.227764	0.001630	PASS
N41	30	40	DFT-16QAM	M	Outer_Full	NV	-20	-1.473476	-0.000568	PASS
N41	30	40	DFT-16QAM	M	Outer_Full	NV	-10	6.984449	0.002694	PASS
N41	30	40	DFT-16QAM	M	Outer_Full	NV	0	1.295512	0.000500	PASS
N41	30	40	DFT-16QAM	M	Outer_Full	NV	10	0.089781	0.000035	PASS
N41	30	40	DFT-16QAM	M	Outer_Full	NV	20	3.137818	0.001210	PASS
N41	30	40	DFT-16QAM	M	Outer_Full	NV	30	-5.319639	-0.002052	PASS
N41	30	40	DFT-16QAM	M	Outer_Full	NV	40	1.950872	0.000752	PASS

N41	30	40	DFT-16QAM	M	Outer_Full	NV	50	1.431179	0.000552	PASS
N41	30	40	DFT-QPSK	H	Outer_Full	NV	-30	-1.437175	-0.000538	PASS
N41	30	40	DFT-QPSK	H	Outer_Full	NV	-20	-1.600400	-0.000599	PASS
N41	30	40	DFT-QPSK	H	Outer_Full	NV	-10	2.379380	0.000891	PASS
N41	30	40	DFT-QPSK	H	Outer_Full	NV	0	-2.538395	-0.000951	PASS
N41	30	40	DFT-QPSK	H	Outer_Full	NV	10	-4.962244	-0.001859	PASS
N41	30	40	DFT-QPSK	H	Outer_Full	NV	20	-2.615079	-0.000979	PASS
N41	30	40	DFT-QPSK	H	Outer_Full	NV	30	-5.408346	-0.002026	PASS
N41	30	40	DFT-QPSK	H	Outer_Full	NV	40	2.769700	0.001037	PASS
N41	30	40	DFT-QPSK	H	Outer_Full	NV	50	0.583699	0.000219	PASS
N41	30	40	DFT-16QAM	H	Outer_Full	NV	-30	2.368659	0.000887	PASS
N41	30	40	DFT-16QAM	H	Outer_Full	NV	-20	0.443965	0.000166	PASS
N41	30	40	DFT-16QAM	H	Outer_Full	NV	-10	-1.244939	-0.000466	PASS
N41	30	40	DFT-16QAM	H	Outer_Full	NV	0	3.123171	0.001170	PASS
N41	30	40	DFT-16QAM	H	Outer_Full	NV	10	1.255623	0.000470	PASS
N41	30	40	DFT-16QAM	H	Outer_Full	NV	20	-2.024073	-0.000758	PASS
N41	30	40	DFT-16QAM	H	Outer_Full	NV	30	1.562222	0.000585	PASS
N41	30	40	DFT-16QAM	H	Outer_Full	NV	40	-4.861455	-0.001821	PASS
N41	30	40	DFT-16QAM	H	Outer_Full	NV	50	-0.186153	-0.000070	PASS
N41	30	60	DFT-QPSK	L	Outer_Full	NV	-30	0.166117	0.000066	PASS
N41	30	60	DFT-QPSK	L	Outer_Full	NV	-20	1.928998	0.000764	PASS
N41	30	60	DFT-QPSK	L	Outer_Full	NV	-10	1.248876	0.000494	PASS
N41	30	60	DFT-QPSK	L	Outer_Full	NV	0	1.564985	0.000620	PASS
N41	30	60	DFT-QPSK	L	Outer_Full	NV	10	-0.507280	-0.000201	PASS
N41	30	60	DFT-QPSK	L	Outer_Full	NV	20	-2.686237	-0.001063	PASS
N41	30	60	DFT-QPSK	L	Outer_Full	NV	30	-3.214276	-0.001272	PASS
N41	30	60	DFT-QPSK	L	Outer_Full	NV	40	-1.912344	-0.000757	PASS
N41	30	60	DFT-QPSK	L	Outer_Full	NV	50	-1.026260	-0.000406	PASS
N41	30	60	DFT-16QAM	L	Outer_Full	NV	-30	-5.179994	-0.002051	PASS
N41	30	60	DFT-16QAM	L	Outer_Full	NV	-20	-2.190959	-0.000867	PASS
N41	30	60	DFT-16QAM	L	Outer_Full	NV	-10	2.528590	0.001001	PASS
N41	30	60	DFT-16QAM	L	Outer_Full	NV	0	0.605887	0.000240	PASS
N41	30	60	DFT-16QAM	L	Outer_Full	NV	10	0.448843	0.000178	PASS
N41	30	60	DFT-16QAM	L	Outer_Full	NV	20	2.295658	0.000909	PASS
N41	30	60	DFT-16QAM	L	Outer_Full	NV	30	-2.392240	-0.000947	PASS
N41	30	60	DFT-16QAM	L	Outer_Full	NV	40	3.713978	0.001470	PASS
N41	30	60	DFT-16QAM	L	Outer_Full	NV	50	-4.541279	-0.001798	PASS
N41	30	60	DFT-QPSK	M	Outer_Full	NV	-30	-1.287713	-0.000497	PASS
N41	30	60	DFT-QPSK	M	Outer_Full	NV	-20	1.950293	0.000752	PASS
N41	30	60	DFT-QPSK	M	Outer_Full	NV	-10	-3.805391	-0.001468	PASS
N41	30	60	DFT-QPSK	M	Outer_Full	NV	0	0.565559	0.000218	PASS

N41	30	60	DFT-QPSK	M	Outer_Full	NV	10	0.238595	0.000092	PASS
N41	30	60	DFT-QPSK	M	Outer_Full	NV	20	-1.133734	-0.000437	PASS
N41	30	60	DFT-QPSK	M	Outer_Full	NV	30	-5.418701	-0.002090	PASS
N41	30	60	DFT-QPSK	M	Outer_Full	NV	40	0.281522	0.000109	PASS
N41	30	60	DFT-QPSK	M	Outer_Full	NV	50	1.059585	0.000409	PASS
N41	30	60	DFT-16QAM	M	Outer_Full	NV	-30	2.754799	0.001062	PASS
N41	30	60	DFT-16QAM	M	Outer_Full	NV	-20	0.220971	0.000085	PASS
N41	30	60	DFT-16QAM	M	Outer_Full	NV	-10	3.608932	0.001392	PASS
N41	30	60	DFT-16QAM	M	Outer_Full	NV	0	-1.566628	-0.000604	PASS
N41	30	60	DFT-16QAM	M	Outer_Full	NV	10	-2.406928	-0.000928	PASS
N41	30	60	DFT-16QAM	M	Outer_Full	NV	20	2.825116	0.001090	PASS
N41	30	60	DFT-16QAM	M	Outer_Full	NV	30	1.573684	0.000607	PASS
N41	30	60	DFT-16QAM	M	Outer_Full	NV	40	-0.941968	-0.000363	PASS
N41	30	60	DFT-16QAM	M	Outer_Full	NV	50	3.263496	0.001259	PASS
N41	30	60	DFT-QPSK	H	Outer_Full	NV	-30	-3.187203	-0.001198	PASS
N41	30	60	DFT-QPSK	H	Outer_Full	NV	-20	2.067023	0.000777	PASS
N41	30	60	DFT-QPSK	H	Outer_Full	NV	-10	-6.369854	-0.002395	PASS
N41	30	60	DFT-QPSK	H	Outer_Full	NV	0	-3.365223	-0.001265	PASS
N41	30	60	DFT-QPSK	H	Outer_Full	NV	10	0.761146	0.000286	PASS
N41	30	60	DFT-QPSK	H	Outer_Full	NV	20	-7.134739	-0.002682	PASS
N41	30	60	DFT-QPSK	H	Outer_Full	NV	30	-0.528987	-0.000199	PASS
N41	30	60	DFT-QPSK	H	Outer_Full	NV	40	-1.732476	-0.000651	PASS
N41	30	60	DFT-QPSK	H	Outer_Full	NV	50	-5.184989	-0.001949	PASS
N41	30	60	DFT-16QAM	H	Outer_Full	NV	-30	-6.460191	-0.002429	PASS
N41	30	60	DFT-16QAM	H	Outer_Full	NV	-20	-4.906712	-0.001845	PASS
N41	30	60	DFT-16QAM	H	Outer_Full	NV	-10	-1.199981	-0.000451	PASS
N41	30	60	DFT-16QAM	H	Outer_Full	NV	0	1.474286	0.000554	PASS
N41	30	60	DFT-16QAM	H	Outer_Full	NV	10	-5.069010	-0.001906	PASS
N41	30	60	DFT-16QAM	H	Outer_Full	NV	20	-2.270684	-0.000854	PASS
N41	30	60	DFT-16QAM	H	Outer_Full	NV	30	0.201836	0.000076	PASS
N41	30	60	DFT-16QAM	H	Outer_Full	NV	40	-6.678452	-0.002511	PASS
N41	30	60	DFT-16QAM	H	Outer_Full	NV	50	-2.823451	-0.001061	PASS
N41	30	80	DFT-QPSK	L	Outer_Full	NV	-30	-1.145159	-0.000452	PASS
N41	30	80	DFT-QPSK	L	Outer_Full	NV	-20	-2.522117	-0.000995	PASS
N41	30	80	DFT-QPSK	L	Outer_Full	NV	-10	0.564538	0.000223	PASS
N41	30	80	DFT-QPSK	L	Outer_Full	NV	0	-4.336755	-0.001710	PASS
N41	30	80	DFT-QPSK	L	Outer_Full	NV	10	3.296769	0.001300	PASS
N41	30	80	DFT-QPSK	L	Outer_Full	NV	20	0.125993	0.000050	PASS
N41	30	80	DFT-QPSK	L	Outer_Full	NV	30	-5.827816	-0.002298	PASS
N41	30	80	DFT-QPSK	L	Outer_Full	NV	40	-3.656553	-0.001442	PASS
N41	30	80	DFT-QPSK	L	Outer_Full	NV	50	-0.151936	-0.000060	PASS

N41	30	80	DFT-16QAM	L	Outer_Full	NV	-30	-5.474341	-0.002159	PASS
N41	30	80	DFT-16QAM	L	Outer_Full	NV	-20	-3.564146	-0.001405	PASS
N41	30	80	DFT-16QAM	L	Outer_Full	NV	-10	-6.838454	-0.002697	PASS
N41	30	80	DFT-16QAM	L	Outer_Full	NV	0	-4.284499	-0.001689	PASS
N41	30	80	DFT-16QAM	L	Outer_Full	NV	10	-2.097568	-0.000827	PASS
N41	30	80	DFT-16QAM	L	Outer_Full	NV	20	-4.330541	-0.001708	PASS
N41	30	80	DFT-16QAM	L	Outer_Full	NV	30	-2.357213	-0.000929	PASS
N41	30	80	DFT-16QAM	L	Outer_Full	NV	40	2.900273	0.001144	PASS
N41	30	80	DFT-16QAM	L	Outer_Full	NV	50	2.377495	0.000937	PASS
N41	30	80	DFT-QPSK	M	Outer_Full	NV	-30	-5.970802	-0.002303	PASS
N41	30	80	DFT-QPSK	M	Outer_Full	NV	-20	1.349701	0.000521	PASS
N41	30	80	DFT-QPSK	M	Outer_Full	NV	-10	-1.037373	-0.000400	PASS
N41	30	80	DFT-QPSK	M	Outer_Full	NV	0	-1.292592	-0.000498	PASS
N41	30	80	DFT-QPSK	M	Outer_Full	NV	10	1.076460	0.000415	PASS
N41	30	80	DFT-QPSK	M	Outer_Full	NV	20	1.790357	0.000690	PASS
N41	30	80	DFT-QPSK	M	Outer_Full	NV	30	-0.634383	-0.000245	PASS
N41	30	80	DFT-QPSK	M	Outer_Full	NV	40	-1.103085	-0.000425	PASS
N41	30	80	DFT-QPSK	M	Outer_Full	NV	50	3.759984	0.001450	PASS
N41	30	80	DFT-16QAM	M	Outer_Full	NV	-30	8.314048	0.003206	PASS
N41	30	80	DFT-16QAM	M	Outer_Full	NV	-20	0.892288	0.000344	PASS
N41	30	80	DFT-16QAM	M	Outer_Full	NV	-10	-2.339342	-0.000902	PASS
N41	30	80	DFT-16QAM	M	Outer_Full	NV	0	-0.673299	-0.000260	PASS
N41	30	80	DFT-16QAM	M	Outer_Full	NV	10	2.465578	0.000951	PASS
N41	30	80	DFT-16QAM	M	Outer_Full	NV	20	4.515902	0.001742	PASS
N41	30	80	DFT-16QAM	M	Outer_Full	NV	30	6.747600	0.002602	PASS
N41	30	80	DFT-16QAM	M	Outer_Full	NV	40	2.224157	0.000858	PASS
N41	30	80	DFT-16QAM	M	Outer_Full	NV	50	2.064668	0.000796	PASS
N41	30	80	DFT-QPSK	H	Outer_Full	NV	-30	-0.027823	-0.000010	PASS
N41	30	80	DFT-QPSK	H	Outer_Full	NV	-20	-0.527773	-0.000199	PASS
N41	30	80	DFT-QPSK	H	Outer_Full	NV	-10	-1.378673	-0.000520	PASS
N41	30	80	DFT-QPSK	H	Outer_Full	NV	0	-1.266088	-0.000478	PASS
N41	30	80	DFT-QPSK	H	Outer_Full	NV	10	2.628719	0.000992	PASS
N41	30	80	DFT-QPSK	H	Outer_Full	NV	20	-0.153111	-0.000058	PASS
N41	30	80	DFT-QPSK	H	Outer_Full	NV	30	-2.892041	-0.001091	PASS
N41	30	80	DFT-QPSK	H	Outer_Full	NV	40	2.191054	0.000827	PASS
N41	30	80	DFT-QPSK	H	Outer_Full	NV	50	1.838590	0.000694	PASS
N41	30	80	DFT-16QAM	H	Outer_Full	NV	-30	0.182100	0.000069	PASS
N41	30	80	DFT-16QAM	H	Outer_Full	NV	-20	2.282769	0.000861	PASS
N41	30	80	DFT-16QAM	H	Outer_Full	NV	-10	4.098241	0.001547	PASS
N41	30	80	DFT-16QAM	H	Outer_Full	NV	0	0.549866	0.000207	PASS
N41	30	80	DFT-16QAM	H	Outer_Full	NV	10	-4.725842	-0.001783	PASS

N41	30	80	DFT-16QAM	H	Outer_Full	NV	20	0.785549	0.000296	PASS
N41	30	80	DFT-16QAM	H	Outer_Full	NV	30	2.664636	0.001006	PASS
N41	30	80	DFT-16QAM	H	Outer_Full	NV	40	-1.228002	-0.000463	PASS
N41	30	80	DFT-16QAM	H	Outer_Full	NV	50	1.791441	0.000676	PASS
N41	30	100	DFT-QPSK	L	Outer_Full	NV	-30	-1.425067	-0.000560	PASS
N41	30	100	DFT-QPSK	L	Outer_Full	NV	-20	1.889634	0.000742	PASS
N41	30	100	DFT-QPSK	L	Outer_Full	NV	-10	3.263448	0.001282	PASS
N41	30	100	DFT-QPSK	L	Outer_Full	NV	0	5.314521	0.002087	PASS
N41	30	100	DFT-QPSK	L	Outer_Full	NV	10	2.019082	0.000793	PASS
N41	30	100	DFT-QPSK	L	Outer_Full	NV	20	4.444344	0.001746	PASS
N41	30	100	DFT-QPSK	L	Outer_Full	NV	30	10.008613	0.003931	PASS
N41	30	100	DFT-QPSK	L	Outer_Full	NV	40	4.681902	0.001839	PASS
N41	30	100	DFT-QPSK	L	Outer_Full	NV	50	5.439883	0.002137	PASS
N41	30	100	DFT-16QAM	L	Outer_Full	NV	-30	4.853247	0.001906	PASS
N41	30	100	DFT-16QAM	L	Outer_Full	NV	-20	0.729989	0.000287	PASS
N41	30	100	DFT-16QAM	L	Outer_Full	NV	-10	4.428839	0.001740	PASS
N41	30	100	DFT-16QAM	L	Outer_Full	NV	0	-3.240543	-0.001273	PASS
N41	30	100	DFT-16QAM	L	Outer_Full	NV	10	-4.880489	-0.001917	PASS
N41	30	100	DFT-16QAM	L	Outer_Full	NV	20	-1.755017	-0.000689	PASS
N41	30	100	DFT-16QAM	L	Outer_Full	NV	30	-2.812147	-0.001105	PASS
N41	30	100	DFT-16QAM	L	Outer_Full	NV	40	-2.131700	-0.000837	PASS
N41	30	100	DFT-16QAM	L	Outer_Full	NV	50	-5.572274	-0.002189	PASS
N41	30	100	DFT-QPSK	M	Outer_Full	NV	-30	3.675844	0.001418	PASS
N41	30	100	DFT-QPSK	M	Outer_Full	NV	-20	4.102655	0.001582	PASS
N41	30	100	DFT-QPSK	M	Outer_Full	NV	-10	-1.133202	-0.000437	PASS
N41	30	100	DFT-QPSK	M	Outer_Full	NV	0	0.046885	0.000018	PASS
N41	30	100	DFT-QPSK	M	Outer_Full	NV	10	1.205127	0.000465	PASS
N41	30	100	DFT-QPSK	M	Outer_Full	NV	20	1.031341	0.000398	PASS
N41	30	100	DFT-QPSK	M	Outer_Full	NV	30	1.223513	0.000472	PASS
N41	30	100	DFT-QPSK	M	Outer_Full	NV	40	2.917861	0.001125	PASS
N41	30	100	DFT-QPSK	M	Outer_Full	NV	50	-1.254020	-0.000484	PASS
N41	30	100	DFT-16QAM	M	Outer_Full	NV	-30	1.054573	0.000407	PASS
N41	30	100	DFT-16QAM	M	Outer_Full	NV	-20	-2.369670	-0.000914	PASS
N41	30	100	DFT-16QAM	M	Outer_Full	NV	-10	1.439016	0.000555	PASS
N41	30	100	DFT-16QAM	M	Outer_Full	NV	0	-4.081514	-0.001574	PASS
N41	30	100	DFT-16QAM	M	Outer_Full	NV	10	1.156816	0.000446	PASS
N41	30	100	DFT-16QAM	M	Outer_Full	NV	20	0.780620	0.000301	PASS
N41	30	100	DFT-16QAM	M	Outer_Full	NV	30	-4.735662	-0.001826	PASS
N41	30	100	DFT-16QAM	M	Outer_Full	NV	40	-7.329135	-0.002827	PASS
N41	30	100	DFT-16QAM	M	Outer_Full	NV	50	-4.499229	-0.001735	PASS
N41	30	100	DFT-QPSK	H	Outer_Full	NV	-30	1.263140	0.000478	PASS

N41	30	100	DFT-QPSK	H	Outer_Full	NV	-20	-1.370978	-0.000519	PASS
N41	30	100	DFT-QPSK	H	Outer_Full	NV	-10	-4.530449	-0.001716	PASS
N41	30	100	DFT-QPSK	H	Outer_Full	NV	0	3.785249	0.001434	PASS
N41	30	100	DFT-QPSK	H	Outer_Full	NV	10	3.076045	0.001165	PASS
N41	30	100	DFT-QPSK	H	Outer_Full	NV	20	1.495421	0.000566	PASS
N41	30	100	DFT-QPSK	H	Outer_Full	NV	30	-2.170891	-0.000822	PASS
N41	30	100	DFT-QPSK	H	Outer_Full	NV	40	3.977457	0.001507	PASS
N41	30	100	DFT-QPSK	H	Outer_Full	NV	50	-6.065424	-0.002298	PASS
N41	30	100	DFT-16QAM	H	Outer_Full	NV	-30	3.525430	0.001335	PASS
N41	30	100	DFT-16QAM	H	Outer_Full	NV	-20	3.363161	0.001274	PASS
N41	30	100	DFT-16QAM	H	Outer_Full	NV	-10	-2.487761	-0.000942	PASS
N41	30	100	DFT-16QAM	H	Outer_Full	NV	0	-2.483297	-0.000941	PASS
N41	30	100	DFT-16QAM	H	Outer_Full	NV	10	-2.220160	-0.000841	PASS
N41	30	100	DFT-16QAM	H	Outer_Full	NV	20	-5.337225	-0.002022	PASS
N41	30	100	DFT-16QAM	H	Outer_Full	NV	30	1.363580	0.000517	PASS
N41	30	100	DFT-16QAM	H	Outer_Full	NV	40	-3.863923	-0.001464	PASS
N41	30	100	DFT-16QAM	H	Outer_Full	NV	50	-2.095086	-0.000794	PASS