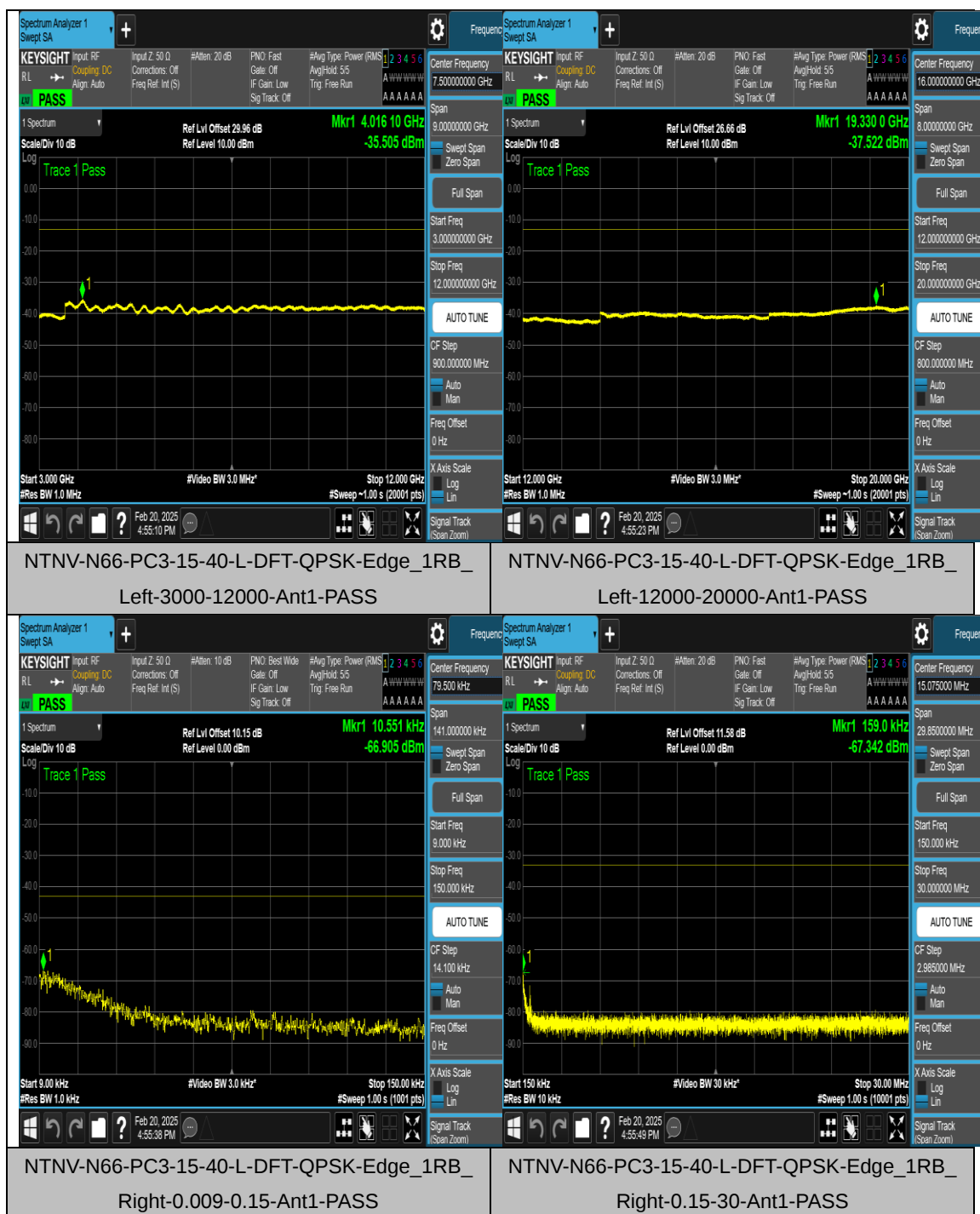


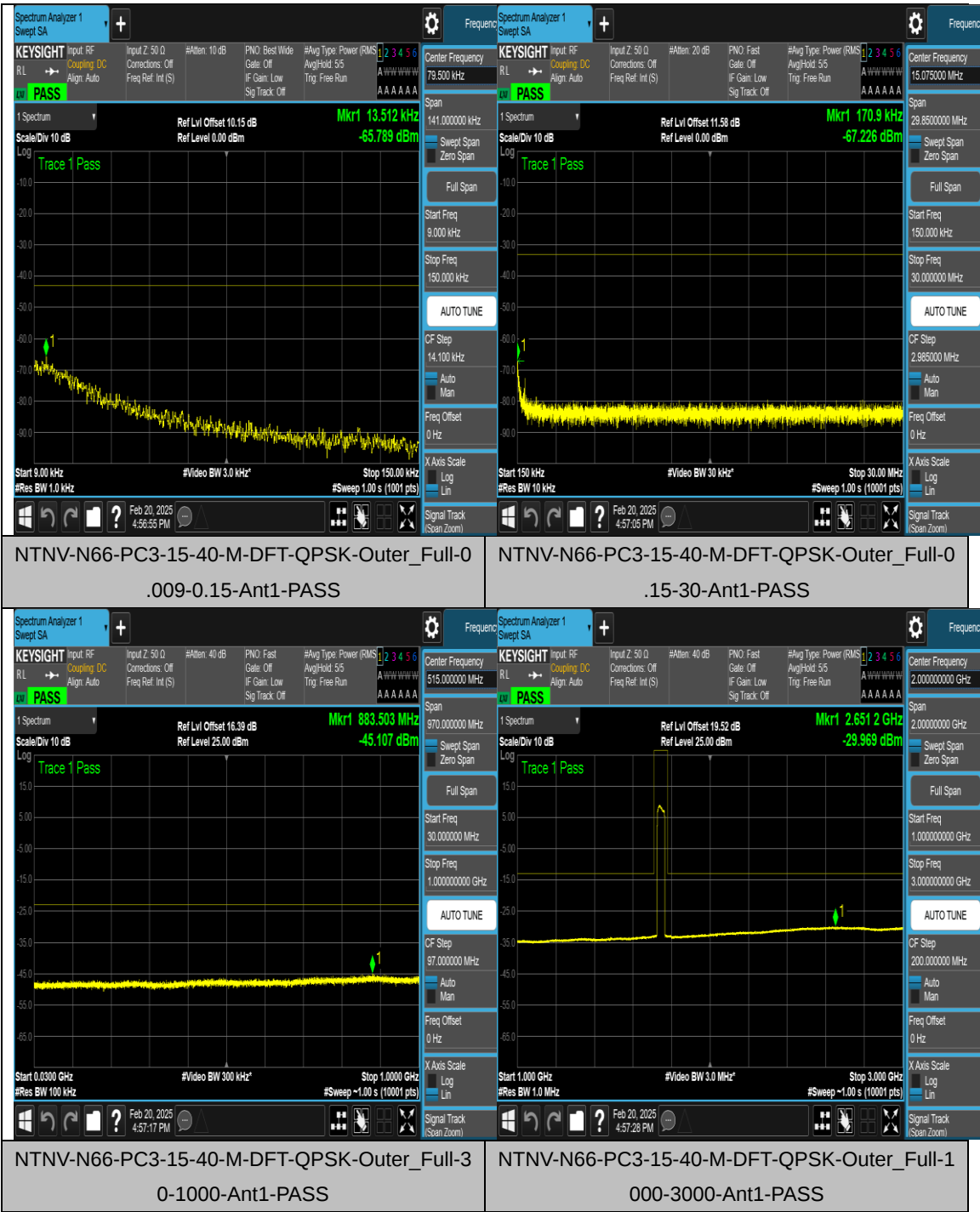




























Appendix F: Frequency Stability for SA

Test Result

Frequency Error VS. Voltage

Voltage										
Band	SCS	Bandwidth	Modulation	Channel	RB Config	Voltage	Temperature	Deviation(Hz)	Deviation (ppm)	Verdict
N66	15	5	DFT-QPSK	L	Outer_Full	VL	NT	-2.920000	-0.001705	PASS
N66	15	5	DFT-QPSK	L	Outer_Full	VN	NT	-1.170000	-0.000683	PASS
N66	15	5	DFT-QPSK	L	Outer_Full	VH	NT	-2.800000	-0.001635	PASS
N66	15	5	DFT-16QAM	L	Outer_Full	VL	NT	-2.080000	-0.001215	PASS
N66	15	5	DFT-16QAM	L	Outer_Full	VN	NT	-1.410000	-0.000823	PASS
N66	15	5	DFT-16QAM	L	Outer_Full	VH	NT	-2.990000	-0.001746	PASS
N66	15	5	DFT-QPSK	M	Outer_Full	VL	NT	-1.400000	-0.000802	PASS
N66	15	5	DFT-QPSK	M	Outer_Full	VN	NT	-1.280000	-0.000734	PASS
N66	15	5	DFT-QPSK	M	Outer_Full	VH	NT	-0.940000	-0.000539	PASS
N66	15	5	DFT-16QAM	M	Outer_Full	VL	NT	-0.950000	-0.000544	PASS
N66	15	5	DFT-16QAM	M	Outer_Full	VN	NT	0.010000	0.000006	PASS
N66	15	5	DFT-16QAM	M	Outer_Full	VH	NT	-1.420000	-0.000814	PASS
N66	15	5	DFT-QPSK	H	Outer_Full	VL	NT	-0.310000	-0.000174	PASS
N66	15	5	DFT-QPSK	H	Outer_Full	VN	NT	0.680000	0.000383	PASS
N66	15	5	DFT-QPSK	H	Outer_Full	VH	NT	0.690000	0.000388	PASS
N66	15	5	DFT-16QAM	H	Outer_Full	VL	NT	0.490000	0.000276	PASS
N66	15	5	DFT-16QAM	H	Outer_Full	VN	NT	-0.410000	-0.000231	PASS
N66	15	5	DFT-16QAM	H	Outer_Full	VH	NT	-2.280000	-0.001283	PASS
N66	15	10	DFT-QPSK	L	Outer_Full	VL	NT	1.060000	0.000618	PASS
N66	15	10	DFT-QPSK	L	Outer_Full	VN	NT	-0.930000	-0.000542	PASS
N66	15	10	DFT-QPSK	L	Outer_Full	VH	NT	-0.660000	-0.000385	PASS
N66	15	10	DFT-16QAM	L	Outer_Full	VL	NT	-1.970000	-0.001149	PASS
N66	15	10	DFT-16QAM	L	Outer_Full	VN	NT	-1.210000	-0.000706	PASS
N66	15	10	DFT-16QAM	L	Outer_Full	VH	NT	-1.030000	-0.000601	PASS
N66	15	10	DFT-QPSK	M	Outer_Full	VL	NT	-1.170000	-0.000670	PASS
N66	15	10	DFT-QPSK	M	Outer_Full	VN	NT	-0.380000	-0.000218	PASS
N66	15	10	DFT-QPSK	M	Outer_Full	VH	NT	-1.530000	-0.000877	PASS
N66	15	10	DFT-16QAM	M	Outer_Full	VL	NT	-0.300000	-0.000172	PASS
N66	15	10	DFT-16QAM	M	Outer_Full	VN	NT	-1.730000	-0.000990	PASS
N66	15	10	DFT-16QAM	M	Outer_Full	VH	NT	-1.910000	-0.001095	PASS
N66	15	10	DFT-QPSK	H	Outer_Full	VL	NT	-2.340000	-0.001318	PASS
N66	15	10	DFT-QPSK	H	Outer_Full	VN	NT	1.360000	0.000766	PASS

N66	15	10	DFT-QPSK	H	Outer_Full	VH	NT	-2.330000	-0.001313	PASS
N66	15	10	DFT-16QAM	H	Outer_Full	VL	NT	-1.470000	-0.000828	PASS
N66	15	10	DFT-16QAM	H	Outer_Full	VN	NT	-0.020000	-0.000011	PASS
N66	15	10	DFT-16QAM	H	Outer_Full	VH	NT	0.250000	0.000141	PASS
N66	15	15	DFT-QPSK	L	Outer_Full	VL	NT	1.490000	0.000868	PASS
N66	15	15	DFT-QPSK	L	Outer_Full	VN	NT	0.100000	0.000058	PASS
N66	15	15	DFT-QPSK	L	Outer_Full	VH	NT	2.370000	0.001380	PASS
N66	15	15	DFT-16QAM	L	Outer_Full	VL	NT	1.190000	0.000693	PASS
N66	15	15	DFT-16QAM	L	Outer_Full	VN	NT	-0.260000	-0.000151	PASS
N66	15	15	DFT-16QAM	L	Outer_Full	VH	NT	1.250000	0.000728	PASS
N66	15	15	DFT-QPSK	M	Outer_Full	VL	NT	-0.840000	-0.000481	PASS
N66	15	15	DFT-QPSK	M	Outer_Full	VN	NT	0.640000	0.000367	PASS
N66	15	15	DFT-QPSK	M	Outer_Full	VH	NT	-0.420000	-0.000241	PASS
N66	15	15	DFT-16QAM	M	Outer_Full	VL	NT	-1.130000	-0.000648	PASS
N66	15	15	DFT-16QAM	M	Outer_Full	VN	NT	-1.250000	-0.000716	PASS
N66	15	15	DFT-16QAM	M	Outer_Full	VH	NT	-1.300000	-0.000745	PASS
N66	15	15	DFT-QPSK	H	Outer_Full	VL	NT	-1.120000	-0.000632	PASS
N66	15	15	DFT-QPSK	H	Outer_Full	VN	NT	-1.850000	-0.001044	PASS
N66	15	15	DFT-QPSK	H	Outer_Full	VH	NT	-0.310000	-0.000175	PASS
N66	15	15	DFT-16QAM	H	Outer_Full	VL	NT	-1.480000	-0.000835	PASS
N66	15	15	DFT-16QAM	H	Outer_Full	VN	NT	-0.480000	-0.000271	PASS
N66	15	15	DFT-16QAM	H	Outer_Full	VH	NT	-1.260000	-0.000711	PASS
N66	15	20	DFT-QPSK	L	Outer_Full	VL	NT	-3.760000	-0.002186	PASS
N66	15	20	DFT-QPSK	L	Outer_Full	VN	NT	-1.200000	-0.000698	PASS
N66	15	20	DFT-QPSK	L	Outer_Full	VH	NT	-1.480000	-0.000860	PASS
N66	15	20	DFT-16QAM	L	Outer_Full	VL	NT	-0.750000	-0.000436	PASS
N66	15	20	DFT-16QAM	L	Outer_Full	VN	NT	-1.420000	-0.000826	PASS
N66	15	20	DFT-16QAM	L	Outer_Full	VH	NT	-2.360000	-0.001372	PASS
N66	15	20	DFT-QPSK	M	Outer_Full	VL	NT	0.140000	0.000080	PASS
N66	15	20	DFT-QPSK	M	Outer_Full	VN	NT	0.060000	0.000034	PASS
N66	15	20	DFT-QPSK	M	Outer_Full	VH	NT	-0.190000	-0.000109	PASS
N66	15	20	DFT-16QAM	M	Outer_Full	VL	NT	-1.280000	-0.000734	PASS
N66	15	20	DFT-16QAM	M	Outer_Full	VN	NT	0.950000	0.000544	PASS
N66	15	20	DFT-16QAM	M	Outer_Full	VH	NT	-2.160000	-0.001238	PASS
N66	15	20	DFT-QPSK	H	Outer_Full	VL	NT	-0.260000	-0.000147	PASS
N66	15	20	DFT-QPSK	H	Outer_Full	VN	NT	1.780000	0.001006	PASS
N66	15	20	DFT-QPSK	H	Outer_Full	VH	NT	1.630000	0.000921	PASS
N66	15	20	DFT-16QAM	H	Outer_Full	VL	NT	0.540000	0.000305	PASS
N66	15	20	DFT-16QAM	H	Outer_Full	VN	NT	1.030000	0.000582	PASS
N66	15	20	DFT-16QAM	H	Outer_Full	VH	NT	-0.400000	-0.000226	PASS

N66	15	30	DFT-QPSK	L	Outer_Full	VL	NT	-0.210000	-0.000122	PASS
N66	15	30	DFT-QPSK	L	Outer_Full	VN	NT	1.490000	0.000864	PASS
N66	15	30	DFT-QPSK	L	Outer_Full	VH	NT	0.500000	0.000290	PASS
N66	15	30	DFT-QPSK	M	Outer_Full	VL	NT	-0.360000	-0.000206	PASS
N66	15	30	DFT-QPSK	M	Outer_Full	VN	NT	-0.460000	-0.000264	PASS
N66	15	30	DFT-QPSK	M	Outer_Full	VH	NT	1.050000	0.000602	PASS
N66	15	30	DFT-16QAM	M	Outer_Full	VL	NT	0.060000	0.000034	PASS
N66	15	30	DFT-16QAM	M	Outer_Full	VN	NT	-0.810000	-0.000464	PASS
N66	15	30	DFT-16QAM	M	Outer_Full	VH	NT	0.710000	0.000407	PASS
N66	15	30	DFT-QPSK	H	Outer_Full	VL	NT	-1.660000	-0.000941	PASS
N66	15	30	DFT-16QAM	H	Outer_Full	VL	NT	-0.950000	-0.000538	PASS
N66	15	30	DFT-16QAM	H	Outer_Full	VN	NT	-1.460000	-0.000827	PASS
N66	15	30	DFT-16QAM	H	Outer_Full	VH	NT	-1.330000	-0.000754	PASS
N66	15	40	DFT-QPSK	L	Outer_Full	VL	NT	-0.370000	-0.000214	PASS
N66	15	40	DFT-QPSK	L	Outer_Full	VN	NT	0.580000	0.000335	PASS
N66	15	40	DFT-QPSK	L	Outer_Full	VH	NT	-2.400000	-0.001387	PASS
N66	15	40	DFT-16QAM	L	Outer_Full	VL	NT	-0.080000	-0.000046	PASS
N66	15	40	DFT-16QAM	L	Outer_Full	VN	NT	1.270000	0.000734	PASS
N66	15	40	DFT-16QAM	L	Outer_Full	VH	NT	-1.670000	-0.000965	PASS
N66	15	40	DFT-QPSK	M	Outer_Full	VL	NT	0.130000	0.000074	PASS
N66	15	40	DFT-QPSK	M	Outer_Full	VN	NT	0.400000	0.000229	PASS
N66	15	40	DFT-QPSK	M	Outer_Full	VH	NT	-1.040000	-0.000596	PASS
N66	15	40	DFT-16QAM	M	Outer_Full	VL	NT	-0.130000	-0.000074	PASS
N66	15	40	DFT-16QAM	M	Outer_Full	VN	NT	-0.890000	-0.000510	PASS
N66	15	40	DFT-16QAM	M	Outer_Full	VH	NT	-0.660000	-0.000378	PASS
N66	15	40	DFT-QPSK	H	Outer_Full	VL	NT	-0.890000	-0.000506	PASS
N66	15	40	DFT-QPSK	H	Outer_Full	VN	NT	1.770000	0.001006	PASS
N66	15	40	DFT-QPSK	H	Outer_Full	VH	NT	-1.280000	-0.000727	PASS
N66	15	40	DFT-16QAM	H	Outer_Full	VL	NT	-1.930000	-0.001097	PASS
N66	15	40	DFT-16QAM	H	Outer_Full	VN	NT	0.990000	0.000563	PASS
N66	15	40	DFT-16QAM	H	Outer_Full	VH	NT	-0.430000	-0.000244	PASS

Frequency Error VS. Temperature

Voltage										
Band	SCS	Bandwidth	Modulation	Channel	RB Config	Voltage	Temperature	Deviation(Hz)	Deviation (ppm)	Verdict
N66	15	5	DFT-QPSK	L	Outer_Full	NV	-30	-2.450000	-0.001431	PASS
N66	15	5	DFT-QPSK	L	Outer_Full	NV	-20	-2.500000	-0.001460	PASS
N66	15	5	DFT-QPSK	L	Outer_Full	NV	-10	-2.720000	-0.001588	PASS

N66	15	5	DFT-QPSK	L	Outer_Full	NV	0	-1.750000	-0.001021	PASS
N66	15	5	DFT-QPSK	L	Outer_Full	NV	10	-2.350000	-0.001372	PASS
N66	15	5	DFT-QPSK	L	Outer_Full	NV	20	-1.400000	-0.000818	PASS
N66	15	5	DFT-QPSK	L	Outer_Full	NV	30	-1.110000	-0.000648	PASS
N66	15	5	DFT-QPSK	L	Outer_Full	NV	40	-3.050000	-0.001781	PASS
N66	15	5	DFT-QPSK	L	Outer_Full	NV	50	-1.970000	-0.001150	PASS
N66	15	5	DFT-16QAM	L	Outer_Full	NV	-30	-1.300000	-0.000759	PASS
N66	15	5	DFT-16QAM	L	Outer_Full	NV	-20	-0.570000	-0.000333	PASS
N66	15	5	DFT-16QAM	L	Outer_Full	NV	-10	-0.740000	-0.000432	PASS
N66	15	5	DFT-16QAM	L	Outer_Full	NV	0	-1.200000	-0.000701	PASS
N66	15	5	DFT-16QAM	L	Outer_Full	NV	10	-2.420000	-0.001413	PASS
N66	15	5	DFT-16QAM	L	Outer_Full	NV	20	-1.030000	-0.000601	PASS
N66	15	5	DFT-16QAM	L	Outer_Full	NV	30	-3.070000	-0.001793	PASS
N66	15	5	DFT-16QAM	L	Outer_Full	NV	40	-1.420000	-0.000829	PASS
N66	15	5	DFT-16QAM	L	Outer_Full	NV	50	-3.490000	-0.002037	PASS
N66	15	5	DFT-QPSK	M	Outer_Full	NV	-30	-0.120000	-0.000069	PASS
N66	15	5	DFT-QPSK	M	Outer_Full	NV	-20	-1.710000	-0.000980	PASS
N66	15	5	DFT-QPSK	M	Outer_Full	NV	-10	-2.520000	-0.001444	PASS
N66	15	5	DFT-QPSK	M	Outer_Full	NV	0	-2.220000	-0.001272	PASS
N66	15	5	DFT-QPSK	M	Outer_Full	NV	10	-1.230000	-0.000705	PASS
N66	15	5	DFT-QPSK	M	Outer_Full	NV	20	-2.840000	-0.001628	PASS
N66	15	5	DFT-QPSK	M	Outer_Full	NV	30	-0.270000	-0.000155	PASS
N66	15	5	DFT-QPSK	M	Outer_Full	NV	40	-1.160000	-0.000665	PASS
N66	15	5	DFT-QPSK	M	Outer_Full	NV	50	-0.330000	-0.000189	PASS
N66	15	5	DFT-16QAM	M	Outer_Full	NV	-30	-0.190000	-0.000109	PASS
N66	15	5	DFT-16QAM	M	Outer_Full	NV	-20	-0.980000	-0.000562	PASS
N66	15	5	DFT-16QAM	M	Outer_Full	NV	-10	-0.860000	-0.000492	PASS
N66	15	5	DFT-16QAM	M	Outer_Full	NV	0	-3.270000	-0.001874	PASS
N66	15	5	DFT-16QAM	M	Outer_Full	NV	10	-1.750000	-0.001003	PASS
N66	15	5	DFT-16QAM	M	Outer_Full	NV	20	-0.500000	-0.000287	PASS
N66	15	5	DFT-16QAM	M	Outer_Full	NV	30	0.410000	0.000235	PASS
N66	15	5	DFT-16QAM	M	Outer_Full	NV	40	1.190000	0.000682	PASS
N66	15	5	DFT-16QAM	M	Outer_Full	NV	50	-0.930000	-0.000533	PASS
N66	15	5	DFT-QPSK	H	Outer_Full	NV	-30	0.780000	0.000439	PASS
N66	15	5	DFT-QPSK	H	Outer_Full	NV	-20	-0.540000	-0.000304	PASS
N66	15	5	DFT-QPSK	H	Outer_Full	NV	-10	1.490000	0.000838	PASS
N66	15	5	DFT-QPSK	H	Outer_Full	NV	0	0.290000	0.000163	PASS
N66	15	5	DFT-QPSK	H	Outer_Full	NV	10	-0.840000	-0.000473	PASS
N66	15	5	DFT-QPSK	H	Outer_Full	NV	20	-0.900000	-0.000506	PASS
N66	15	5	DFT-QPSK	H	Outer_Full	NV	30	-1.190000	-0.000669	PASS

N66	15	5	DFT-QPSK	H	Outer_Full	NV	40	0.660000	0.000371	PASS
N66	15	5	DFT-QPSK	H	Outer_Full	NV	50	0.790000	0.000444	PASS
N66	15	5	DFT-16QAM	H	Outer_Full	NV	-30	-0.410000	-0.000231	PASS
N66	15	5	DFT-16QAM	H	Outer_Full	NV	-20	1.300000	0.000731	PASS
N66	15	5	DFT-16QAM	H	Outer_Full	NV	-10	0.140000	0.000079	PASS
N66	15	5	DFT-16QAM	H	Outer_Full	NV	0	0.170000	0.000096	PASS
N66	15	5	DFT-16QAM	H	Outer_Full	NV	10	1.900000	0.001069	PASS
N66	15	5	DFT-16QAM	H	Outer_Full	NV	20	1.050000	0.000591	PASS
N66	15	5	DFT-16QAM	H	Outer_Full	NV	30	0.670000	0.000377	PASS
N66	15	5	DFT-16QAM	H	Outer_Full	NV	40	-0.910000	-0.000512	PASS
N66	15	5	DFT-16QAM	H	Outer_Full	NV	50	0.810000	0.000456	PASS
N66	15	10	DFT-QPSK	L	Outer_Full	NV	-30	-0.200000	-0.000117	PASS
N66	15	10	DFT-QPSK	L	Outer_Full	NV	-20	-3.570000	-0.002082	PASS
N66	15	10	DFT-QPSK	L	Outer_Full	NV	-10	0.960000	0.000560	PASS
N66	15	10	DFT-QPSK	L	Outer_Full	NV	0	-0.580000	-0.000338	PASS
N66	15	10	DFT-QPSK	L	Outer_Full	NV	10	0.020000	0.000012	PASS
N66	15	10	DFT-QPSK	L	Outer_Full	NV	20	-2.100000	-0.001224	PASS
N66	15	10	DFT-QPSK	L	Outer_Full	NV	30	-1.910000	-0.001114	PASS
N66	15	10	DFT-QPSK	L	Outer_Full	NV	40	0.100000	0.000058	PASS
N66	15	10	DFT-QPSK	L	Outer_Full	NV	50	0.230000	0.000134	PASS
N66	15	10	DFT-16QAM	L	Outer_Full	NV	-30	-0.120000	-0.000070	PASS
N66	15	10	DFT-16QAM	L	Outer_Full	NV	-20	0.560000	0.000327	PASS
N66	15	10	DFT-16QAM	L	Outer_Full	NV	-10	-0.540000	-0.000315	PASS
N66	15	10	DFT-16QAM	L	Outer_Full	NV	0	2.630000	0.001534	PASS
N66	15	10	DFT-16QAM	L	Outer_Full	NV	10	0.510000	0.000297	PASS
N66	15	10	DFT-16QAM	L	Outer_Full	NV	20	-1.320000	-0.000770	PASS
N66	15	10	DFT-16QAM	L	Outer_Full	NV	30	-1.260000	-0.000735	PASS
N66	15	10	DFT-16QAM	L	Outer_Full	NV	40	-1.650000	-0.000962	PASS
N66	15	10	DFT-16QAM	L	Outer_Full	NV	50	-1.170000	-0.000682	PASS
N66	15	10	DFT-QPSK	M	Outer_Full	NV	-30	-0.070000	-0.000040	PASS
N66	15	10	DFT-QPSK	M	Outer_Full	NV	-20	-0.380000	-0.000218	PASS
N66	15	10	DFT-QPSK	M	Outer_Full	NV	-10	-1.990000	-0.001140	PASS
N66	15	10	DFT-QPSK	M	Outer_Full	NV	0	-0.620000	-0.000355	PASS
N66	15	10	DFT-QPSK	M	Outer_Full	NV	10	-3.310000	-0.001897	PASS
N66	15	10	DFT-QPSK	M	Outer_Full	NV	20	-0.350000	-0.000201	PASS
N66	15	10	DFT-QPSK	M	Outer_Full	NV	30	-0.730000	-0.000418	PASS
N66	15	10	DFT-QPSK	M	Outer_Full	NV	40	-0.880000	-0.000504	PASS
N66	15	10	DFT-QPSK	M	Outer_Full	NV	50	-0.280000	-0.000160	PASS
N66	15	10	DFT-16QAM	M	Outer_Full	NV	-30	-0.460000	-0.000264	PASS
N66	15	10	DFT-16QAM	M	Outer_Full	NV	-20	-1.390000	-0.000797	PASS

N66	15	10	DFT-16QAM	M	Outer_Full	NV	-10	-0.710000	-0.000407	PASS
N66	15	10	DFT-16QAM	M	Outer_Full	NV	0	-0.850000	-0.000487	PASS
N66	15	10	DFT-16QAM	M	Outer_Full	NV	10	-1.610000	-0.000923	PASS
N66	15	10	DFT-16QAM	M	Outer_Full	NV	20	0.210000	0.000120	PASS
N66	15	10	DFT-16QAM	M	Outer_Full	NV	30	-1.960000	-0.001123	PASS
N66	15	10	DFT-16QAM	M	Outer_Full	NV	40	-1.180000	-0.000676	PASS
N66	15	10	DFT-16QAM	M	Outer_Full	NV	50	0.390000	0.000223	PASS
N66	15	10	DFT-QPSK	H	Outer_Full	NV	-30	0.390000	0.000220	PASS
N66	15	10	DFT-QPSK	H	Outer_Full	NV	-20	-2.200000	-0.001239	PASS
N66	15	10	DFT-QPSK	H	Outer_Full	NV	-10	-0.400000	-0.000225	PASS
N66	15	10	DFT-QPSK	H	Outer_Full	NV	0	0.860000	0.000485	PASS
N66	15	10	DFT-QPSK	H	Outer_Full	NV	10	1.090000	0.000614	PASS
N66	15	10	DFT-QPSK	H	Outer_Full	NV	20	0.520000	0.000293	PASS
N66	15	10	DFT-QPSK	H	Outer_Full	NV	30	-1.300000	-0.000732	PASS
N66	15	10	DFT-QPSK	H	Outer_Full	NV	40	-0.120000	-0.000068	PASS
N66	15	10	DFT-QPSK	H	Outer_Full	NV	50	-1.240000	-0.000699	PASS
N66	15	10	DFT-16QAM	H	Outer_Full	NV	-30	-1.410000	-0.000794	PASS
N66	15	10	DFT-16QAM	H	Outer_Full	NV	-20	-0.390000	-0.000220	PASS
N66	15	10	DFT-16QAM	H	Outer_Full	NV	-10	0.420000	0.000237	PASS
N66	15	10	DFT-16QAM	H	Outer_Full	NV	0	-0.920000	-0.000518	PASS
N66	15	10	DFT-16QAM	H	Outer_Full	NV	10	-1.620000	-0.000913	PASS
N66	15	10	DFT-16QAM	H	Outer_Full	NV	20	-0.940000	-0.000530	PASS
N66	15	10	DFT-16QAM	H	Outer_Full	NV	30	-0.920000	-0.000518	PASS
N66	15	10	DFT-16QAM	H	Outer_Full	NV	40	-1.200000	-0.000676	PASS
N66	15	10	DFT-16QAM	H	Outer_Full	NV	50	-0.910000	-0.000513	PASS
N66	15	15	DFT-QPSK	L	Outer_Full	NV	-30	2.020000	0.001176	PASS
N66	15	15	DFT-QPSK	L	Outer_Full	NV	-20	1.150000	0.000670	PASS
N66	15	15	DFT-QPSK	L	Outer_Full	NV	-10	1.230000	0.000716	PASS
N66	15	15	DFT-QPSK	L	Outer_Full	NV	0	-0.330000	-0.000192	PASS
N66	15	15	DFT-QPSK	L	Outer_Full	NV	10	1.270000	0.000739	PASS
N66	15	15	DFT-QPSK	L	Outer_Full	NV	20	-0.840000	-0.000488	PASS
N66	15	15	DFT-QPSK	L	Outer_Full	NV	30	0.620000	0.000361	PASS
N66	15	15	DFT-QPSK	L	Outer_Full	NV	40	0.290000	0.000169	PASS
N66	15	15	DFT-QPSK	L	Outer_Full	NV	50	1.460000	0.000850	PASS
N66	15	15	DFT-16QAM	L	Outer_Full	NV	-30	-0.020000	-0.000012	PASS
N66	15	15	DFT-16QAM	L	Outer_Full	NV	-20	1.880000	0.001095	PASS
N66	15	15	DFT-16QAM	L	Outer_Full	NV	-10	1.310000	0.000763	PASS
N66	15	15	DFT-16QAM	L	Outer_Full	NV	0	1.060000	0.000617	PASS
N66	15	15	DFT-16QAM	L	Outer_Full	NV	10	-0.050000	-0.000029	PASS
N66	15	15	DFT-16QAM	L	Outer_Full	NV	20	1.210000	0.000705	PASS

N66	15	15	DFT-16QAM	L	Outer_Full	NV	30	-1.190000	-0.000693	PASS
N66	15	15	DFT-16QAM	L	Outer_Full	NV	40	0.780000	0.000454	PASS
N66	15	15	DFT-16QAM	L	Outer_Full	NV	50	0.880000	0.000512	PASS
N66	15	15	DFT-QPSK	M	Outer_Full	NV	-30	-0.930000	-0.000533	PASS
N66	15	15	DFT-QPSK	M	Outer_Full	NV	-20	0.110000	0.000063	PASS
N66	15	15	DFT-QPSK	M	Outer_Full	NV	-10	-0.110000	-0.000063	PASS
N66	15	15	DFT-QPSK	M	Outer_Full	NV	0	-0.740000	-0.000424	PASS
N66	15	15	DFT-QPSK	M	Outer_Full	NV	10	-0.550000	-0.000315	PASS
N66	15	15	DFT-QPSK	M	Outer_Full	NV	20	-1.210000	-0.000693	PASS
N66	15	15	DFT-QPSK	M	Outer_Full	NV	30	-0.470000	-0.000269	PASS
N66	15	15	DFT-QPSK	M	Outer_Full	NV	40	0.180000	0.000103	PASS
N66	15	15	DFT-QPSK	M	Outer_Full	NV	50	0.570000	0.000327	PASS
N66	15	15	DFT-16QAM	M	Outer_Full	NV	-30	-1.150000	-0.000659	PASS
N66	15	15	DFT-16QAM	M	Outer_Full	NV	-20	-0.680000	-0.000390	PASS
N66	15	15	DFT-16QAM	M	Outer_Full	NV	-10	0.100000	0.000057	PASS
N66	15	15	DFT-16QAM	M	Outer_Full	NV	0	1.240000	0.000711	PASS
N66	15	15	DFT-16QAM	M	Outer_Full	NV	10	-0.090000	-0.000052	PASS
N66	15	15	DFT-16QAM	M	Outer_Full	NV	20	-0.940000	-0.000539	PASS
N66	15	15	DFT-16QAM	M	Outer_Full	NV	30	0.390000	0.000223	PASS
N66	15	15	DFT-16QAM	M	Outer_Full	NV	40	0.040000	0.000023	PASS
N66	15	15	DFT-16QAM	M	Outer_Full	NV	50	-1.080000	-0.000619	PASS
N66	15	15	DFT-QPSK	H	Outer_Full	NV	-30	-0.300000	-0.000169	PASS
N66	15	15	DFT-QPSK	H	Outer_Full	NV	-20	-0.150000	-0.000085	PASS
N66	15	15	DFT-QPSK	H	Outer_Full	NV	-10	-0.520000	-0.000293	PASS
N66	15	15	DFT-QPSK	H	Outer_Full	NV	0	-0.590000	-0.000333	PASS
N66	15	15	DFT-QPSK	H	Outer_Full	NV	10	-1.980000	-0.001117	PASS
N66	15	15	DFT-QPSK	H	Outer_Full	NV	20	-1.530000	-0.000863	PASS
N66	15	15	DFT-QPSK	H	Outer_Full	NV	30	-1.670000	-0.000942	PASS
N66	15	15	DFT-QPSK	H	Outer_Full	NV	40	0.170000	0.000096	PASS
N66	15	15	DFT-QPSK	H	Outer_Full	NV	50	-1.770000	-0.000999	PASS
N66	15	15	DFT-16QAM	H	Outer_Full	NV	-30	-1.780000	-0.001003	PASS
N66	15	15	DFT-16QAM	H	Outer_Full	NV	-20	-2.060000	-0.001162	PASS
N66	15	15	DFT-16QAM	H	Outer_Full	NV	-10	-1.390000	-0.000784	PASS
N66	15	15	DFT-16QAM	H	Outer_Full	NV	0	-0.960000	-0.000542	PASS
N66	15	15	DFT-16QAM	H	Outer_Full	NV	10	-1.350000	-0.000762	PASS
N66	15	15	DFT-16QAM	H	Outer_Full	NV	20	-0.490000	-0.000276	PASS
N66	15	15	DFT-16QAM	H	Outer_Full	NV	30	-0.620000	-0.000350	PASS
N66	15	15	DFT-16QAM	H	Outer_Full	NV	40	-1.010000	-0.000570	PASS
N66	15	15	DFT-16QAM	H	Outer_Full	NV	50	-0.940000	-0.000530	PASS
N66	15	20	DFT-QPSK	L	Outer_Full	NV	-30	-2.130000	-0.001238	PASS

N66	15	20	DFT-QPSK	L	Outer_Full	NV	-20	0.290000	0.000169	PASS
N66	15	20	DFT-QPSK	L	Outer_Full	NV	-10	-1.810000	-0.001052	PASS
N66	15	20	DFT-QPSK	L	Outer_Full	NV	0	-1.900000	-0.001105	PASS
N66	15	20	DFT-QPSK	L	Outer_Full	NV	10	-1.850000	-0.001076	PASS
N66	15	20	DFT-QPSK	L	Outer_Full	NV	20	-2.960000	-0.001721	PASS
N66	15	20	DFT-QPSK	L	Outer_Full	NV	30	-2.180000	-0.001267	PASS
N66	15	20	DFT-QPSK	L	Outer_Full	NV	40	-0.570000	-0.000331	PASS
N66	15	20	DFT-QPSK	L	Outer_Full	NV	50	-0.010000	-0.000006	PASS
N66	15	20	DFT-16QAM	L	Outer_Full	NV	-30	-1.540000	-0.000895	PASS
N66	15	20	DFT-16QAM	L	Outer_Full	NV	-20	-2.190000	-0.001273	PASS
N66	15	20	DFT-16QAM	L	Outer_Full	NV	-10	0.000000	0.000000	PASS
N66	15	20	DFT-16QAM	L	Outer_Full	NV	0	-3.190000	-0.001855	PASS
N66	15	20	DFT-16QAM	L	Outer_Full	NV	10	-3.250000	-0.001890	PASS
N66	15	20	DFT-16QAM	L	Outer_Full	NV	20	-0.890000	-0.000517	PASS
N66	15	20	DFT-16QAM	L	Outer_Full	NV	30	-2.700000	-0.001570	PASS
N66	15	20	DFT-16QAM	L	Outer_Full	NV	40	-1.720000	-0.001000	PASS
N66	15	20	DFT-16QAM	L	Outer_Full	NV	50	-1.820000	-0.001058	PASS
N66	15	20	DFT-QPSK	M	Outer_Full	NV	-30	-2.500000	-0.001433	PASS
N66	15	20	DFT-QPSK	M	Outer_Full	NV	-20	-1.310000	-0.000751	PASS
N66	15	20	DFT-QPSK	M	Outer_Full	NV	-10	-1.010000	-0.000579	PASS
N66	15	20	DFT-QPSK	M	Outer_Full	NV	0	-0.850000	-0.000487	PASS
N66	15	20	DFT-QPSK	M	Outer_Full	NV	10	1.290000	0.000739	PASS
N66	15	20	DFT-QPSK	M	Outer_Full	NV	20	-2.180000	-0.001249	PASS
N66	15	20	DFT-QPSK	M	Outer_Full	NV	30	0.690000	0.000395	PASS
N66	15	20	DFT-QPSK	M	Outer_Full	NV	40	-0.050000	-0.000029	PASS
N66	15	20	DFT-QPSK	M	Outer_Full	NV	50	-0.410000	-0.000235	PASS
N66	15	20	DFT-16QAM	M	Outer_Full	NV	-30	-0.760000	-0.000436	PASS
N66	15	20	DFT-16QAM	M	Outer_Full	NV	-20	-2.120000	-0.001215	PASS
N66	15	20	DFT-16QAM	M	Outer_Full	NV	-10	-1.280000	-0.000734	PASS
N66	15	20	DFT-16QAM	M	Outer_Full	NV	0	-0.670000	-0.000384	PASS
N66	15	20	DFT-16QAM	M	Outer_Full	NV	10	1.490000	0.000854	PASS
N66	15	20	DFT-16QAM	M	Outer_Full	NV	20	0.350000	0.000201	PASS
N66	15	20	DFT-16QAM	M	Outer_Full	NV	30	0.300000	0.000172	PASS
N66	15	20	DFT-16QAM	M	Outer_Full	NV	40	-1.260000	-0.000722	PASS
N66	15	20	DFT-16QAM	M	Outer_Full	NV	50	-0.790000	-0.000453	PASS
N66	15	20	DFT-QPSK	H	Outer_Full	NV	-30	1.740000	0.000982	PASS
N66	15	20	DFT-QPSK	H	Outer_Full	NV	-20	2.800000	0.001582	PASS
N66	15	20	DFT-QPSK	H	Outer_Full	NV	-10	1.540000	0.000870	PASS
N66	15	20	DFT-QPSK	H	Outer_Full	NV	0	2.130000	0.001203	PASS
N66	15	20	DFT-QPSK	H	Outer_Full	NV	10	0.840000	0.000475	PASS

N66	15	20	DFT-QPSK	H	Outer_Full	NV	20	0.610000	0.000345	PASS
N66	15	20	DFT-QPSK	H	Outer_Full	NV	30	0.950000	0.000537	PASS
N66	15	20	DFT-QPSK	H	Outer_Full	NV	40	1.690000	0.000955	PASS
N66	15	20	DFT-QPSK	H	Outer_Full	NV	50	-0.430000	-0.000243	PASS
N66	15	20	DFT-16QAM	H	Outer_Full	NV	-30	2.260000	0.001277	PASS
N66	15	20	DFT-16QAM	H	Outer_Full	NV	-20	2.370000	0.001339	PASS
N66	15	20	DFT-16QAM	H	Outer_Full	NV	-10	-0.190000	-0.000107	PASS
N66	15	20	DFT-16QAM	H	Outer_Full	NV	0	-0.490000	-0.000277	PASS
N66	15	20	DFT-16QAM	H	Outer_Full	NV	10	0.830000	0.000469	PASS
N66	15	20	DFT-16QAM	H	Outer_Full	NV	20	0.510000	0.000288	PASS
N66	15	20	DFT-16QAM	H	Outer_Full	NV	30	1.110000	0.000627	PASS
N66	15	20	DFT-16QAM	H	Outer_Full	NV	40	1.450000	0.000819	PASS
N66	15	20	DFT-16QAM	H	Outer_Full	NV	50	2.180000	0.001232	PASS
N66	15	30	DFT-QPSK	L	Outer_Full	NV	-30	0.950000	0.000551	PASS
N66	15	30	DFT-QPSK	L	Outer_Full	NV	-20	-0.370000	-0.000214	PASS
N66	15	30	DFT-QPSK	L	Outer_Full	NV	-10	0.050000	0.000029	PASS
N66	15	30	DFT-QPSK	L	Outer_Full	NV	0	0.110000	0.000064	PASS
N66	15	30	DFT-QPSK	L	Outer_Full	NV	10	0.340000	0.000197	PASS
N66	15	30	DFT-QPSK	M	Outer_Full	NV	-30	-0.390000	-0.000223	PASS
N66	15	30	DFT-QPSK	M	Outer_Full	NV	-20	-0.410000	-0.000235	PASS
N66	15	30	DFT-QPSK	M	Outer_Full	NV	-10	-2.360000	-0.001352	PASS
N66	15	30	DFT-QPSK	M	Outer_Full	NV	0	0.440000	0.000252	PASS
N66	15	30	DFT-QPSK	M	Outer_Full	NV	10	-0.390000	-0.000223	PASS
N66	15	30	DFT-QPSK	M	Outer_Full	NV	20	-0.310000	-0.000178	PASS
N66	15	30	DFT-QPSK	M	Outer_Full	NV	30	-0.140000	-0.000080	PASS
N66	15	30	DFT-QPSK	M	Outer_Full	NV	40	0.890000	0.000510	PASS
N66	15	30	DFT-QPSK	M	Outer_Full	NV	50	-0.590000	-0.000338	PASS
N66	15	30	DFT-16QAM	M	Outer_Full	NV	-30	-0.750000	-0.000430	PASS
N66	15	30	DFT-16QAM	M	Outer_Full	NV	-20	-1.420000	-0.000814	PASS
N66	15	30	DFT-16QAM	M	Outer_Full	NV	-10	0.300000	0.000172	PASS
N66	15	30	DFT-16QAM	M	Outer_Full	NV	0	-0.810000	-0.000464	PASS
N66	15	30	DFT-16QAM	M	Outer_Full	NV	10	-2.180000	-0.001249	PASS
N66	15	30	DFT-16QAM	M	Outer_Full	NV	20	0.660000	0.000378	PASS
N66	15	30	DFT-16QAM	M	Outer_Full	NV	30	-0.690000	-0.000395	PASS
N66	15	30	DFT-16QAM	M	Outer_Full	NV	40	-0.520000	-0.000298	PASS
N66	15	30	DFT-16QAM	M	Outer_Full	NV	50	-0.870000	-0.000499	PASS
N66	15	30	DFT-16QAM	H	Outer_Full	NV	-30	-2.130000	-0.001207	PASS
N66	15	30	DFT-16QAM	H	Outer_Full	NV	-20	-2.850000	-0.001615	PASS
N66	15	30	DFT-16QAM	H	Outer_Full	NV	-10	-3.180000	-0.001802	PASS
N66	15	30	DFT-16QAM	H	Outer_Full	NV	0	-1.880000	-0.001065	PASS

N66	15	30	DFT-16QAM	H	Outer_Full	NV	10	-4.340000	-0.002459	PASS
N66	15	30	DFT-16QAM	H	Outer_Full	NV	20	-3.830000	-0.002170	PASS
N66	15	30	DFT-16QAM	H	Outer_Full	NV	30	-2.270000	-0.001286	PASS
N66	15	30	DFT-16QAM	H	Outer_Full	NV	40	-0.380000	-0.000215	PASS
N66	15	30	DFT-16QAM	H	Outer_Full	NV	50	-1.300000	-0.000737	PASS
N66	15	40	DFT-QPSK	L	Outer_Full	NV	-30	0.350000	0.000202	PASS
N66	15	40	DFT-QPSK	L	Outer_Full	NV	-20	-0.260000	-0.000150	PASS
N66	15	40	DFT-QPSK	L	Outer_Full	NV	-10	-0.260000	-0.000150	PASS
N66	15	40	DFT-QPSK	L	Outer_Full	NV	0	0.060000	0.000035	PASS
N66	15	40	DFT-QPSK	L	Outer_Full	NV	10	-1.900000	-0.001098	PASS
N66	15	40	DFT-QPSK	L	Outer_Full	NV	20	0.150000	0.000087	PASS
N66	15	40	DFT-QPSK	L	Outer_Full	NV	30	-0.450000	-0.000260	PASS
N66	15	40	DFT-QPSK	L	Outer_Full	NV	40	1.880000	0.001087	PASS
N66	15	40	DFT-QPSK	L	Outer_Full	NV	50	-1.010000	-0.000584	PASS
N66	15	40	DFT-16QAM	L	Outer_Full	NV	-30	-1.810000	-0.001046	PASS
N66	15	40	DFT-16QAM	L	Outer_Full	NV	-20	0.530000	0.000306	PASS
N66	15	40	DFT-16QAM	L	Outer_Full	NV	-10	1.090000	0.000630	PASS
N66	15	40	DFT-16QAM	L	Outer_Full	NV	0	0.400000	0.000231	PASS
N66	15	40	DFT-16QAM	L	Outer_Full	NV	10	-0.550000	-0.000318	PASS
N66	15	40	DFT-16QAM	L	Outer_Full	NV	20	-1.420000	-0.000821	PASS
N66	15	40	DFT-16QAM	L	Outer_Full	NV	30	-1.580000	-0.000913	PASS
N66	15	40	DFT-16QAM	L	Outer_Full	NV	40	-0.500000	-0.000289	PASS
N66	15	40	DFT-16QAM	L	Outer_Full	NV	50	-2.040000	-0.001179	PASS
N66	15	40	DFT-QPSK	M	Outer_Full	NV	-30	-0.260000	-0.000149	PASS
N66	15	40	DFT-QPSK	M	Outer_Full	NV	-20	-0.910000	-0.000521	PASS
N66	15	40	DFT-QPSK	M	Outer_Full	NV	-10	-1.430000	-0.000819	PASS
N66	15	40	DFT-QPSK	M	Outer_Full	NV	0	-2.220000	-0.001272	PASS
N66	15	40	DFT-QPSK	M	Outer_Full	NV	10	-0.710000	-0.000407	PASS
N66	15	40	DFT-QPSK	M	Outer_Full	NV	20	-1.300000	-0.000745	PASS
N66	15	40	DFT-QPSK	M	Outer_Full	NV	30	3.010000	0.001725	PASS
N66	15	40	DFT-QPSK	M	Outer_Full	NV	40	-2.300000	-0.001318	PASS
N66	15	40	DFT-QPSK	M	Outer_Full	NV	50	-1.270000	-0.000728	PASS
N66	15	40	DFT-16QAM	M	Outer_Full	NV	-30	-1.610000	-0.000923	PASS
N66	15	40	DFT-16QAM	M	Outer_Full	NV	-20	-1.180000	-0.000676	PASS
N66	15	40	DFT-16QAM	M	Outer_Full	NV	-10	0.260000	0.000149	PASS
N66	15	40	DFT-16QAM	M	Outer_Full	NV	0	0.140000	0.000080	PASS
N66	15	40	DFT-16QAM	M	Outer_Full	NV	10	0.030000	0.000017	PASS
N66	15	40	DFT-16QAM	M	Outer_Full	NV	20	-1.220000	-0.000699	PASS
N66	15	40	DFT-16QAM	M	Outer_Full	NV	30	-1.400000	-0.000802	PASS
N66	15	40	DFT-16QAM	M	Outer_Full	NV	40	0.660000	0.000378	PASS

N66	15	40	DFT-16QAM	M	Outer_Full	NV	50	-0.210000	-0.000120	PASS
N66	15	40	DFT-QPSK	H	Outer_Full	NV	-30	-1.660000	-0.000943	PASS
N66	15	40	DFT-QPSK	H	Outer_Full	NV	-20	-1.360000	-0.000773	PASS
N66	15	40	DFT-QPSK	H	Outer_Full	NV	-10	-0.180000	-0.000102	PASS
N66	15	40	DFT-QPSK	H	Outer_Full	NV	0	-1.770000	-0.001006	PASS
N66	15	40	DFT-QPSK	H	Outer_Full	NV	10	-0.460000	-0.000261	PASS
N66	15	40	DFT-QPSK	H	Outer_Full	NV	20	-0.310000	-0.000176	PASS
N66	15	40	DFT-QPSK	H	Outer_Full	NV	30	1.750000	0.000994	PASS
N66	15	40	DFT-QPSK	H	Outer_Full	NV	40	-0.400000	-0.000227	PASS
N66	15	40	DFT-QPSK	H	Outer_Full	NV	50	0.790000	0.000449	PASS
N66	15	40	DFT-16QAM	H	Outer_Full	NV	-30	-2.640000	-0.001500	PASS
N66	15	40	DFT-16QAM	H	Outer_Full	NV	-20	-1.140000	-0.000648	PASS
N66	15	40	DFT-16QAM	H	Outer_Full	NV	-10	-0.570000	-0.000324	PASS
N66	15	40	DFT-16QAM	H	Outer_Full	NV	0	0.190000	0.000108	PASS
N66	15	40	DFT-16QAM	H	Outer_Full	NV	10	-1.360000	-0.000773	PASS
N66	15	40	DFT-16QAM	H	Outer_Full	NV	20	0.180000	0.000102	PASS
N66	15	40	DFT-16QAM	H	Outer_Full	NV	30	-0.100000	-0.000057	PASS
N66	15	40	DFT-16QAM	H	Outer_Full	NV	40	-0.260000	-0.000148	PASS
N66	15	40	DFT-16QAM	H	Outer_Full	NV	50	-0.320000	-0.000182	PASS