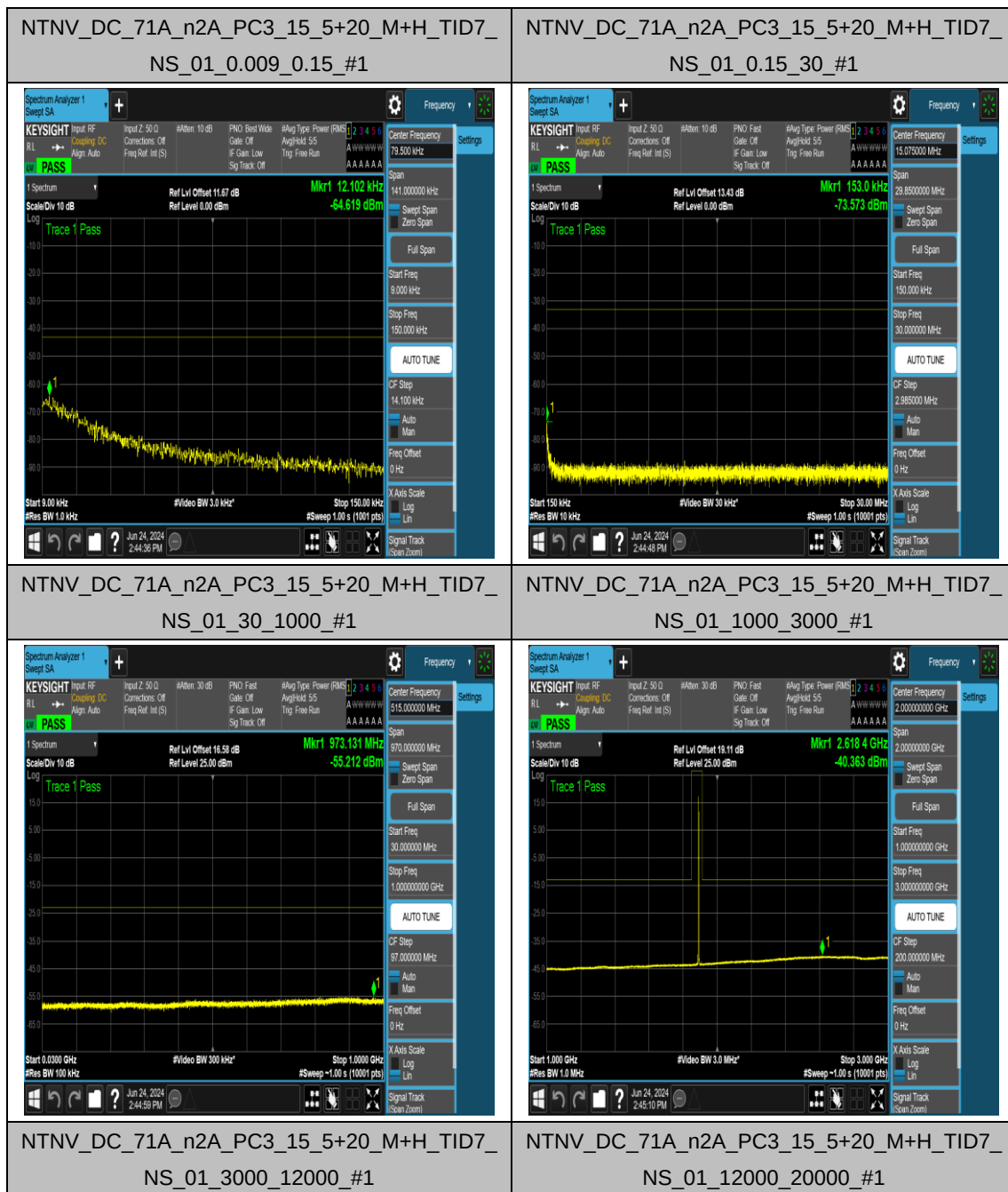
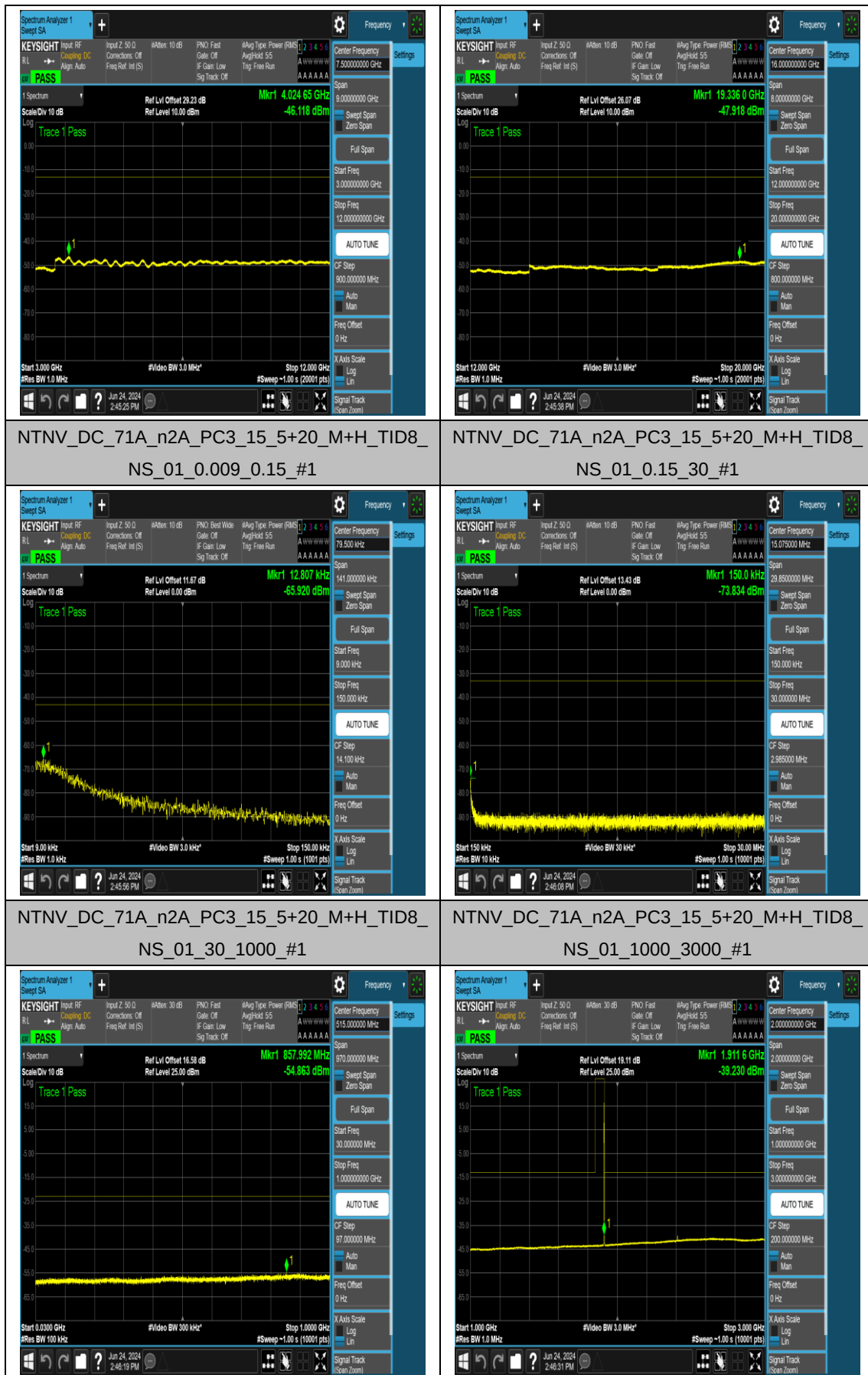
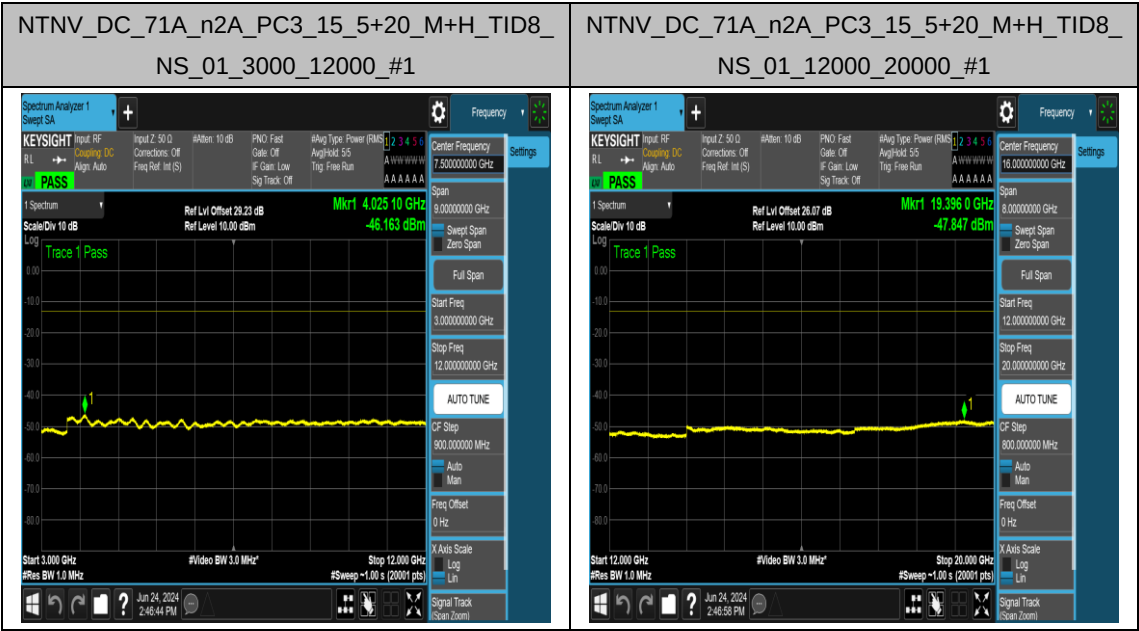








Appendix F: Frequency Stability for NSA

Test Result

Frequency Error VS. Voltage

Voltage										
Band	SCS	Bandwidth	Modulation	Channel	RB Config	Voltage	Temperature	Deviation(Hz)	Deviation (ppm)	Verdict
DC_71A_n2A	15	5+5	DFT-QPSK	M+L	Outer_Full	VL	NT	18.000000	0.009717	PASS
DC_71A_n2A	15	5+5	DFT-QPSK	M+L	Outer_Full	VN	NT	2.000000	0.001080	PASS
DC_71A_n2A	15	5+5	DFT-QPSK	M+L	Outer_Full	VH	NT	9.000000	0.004858	PASS
DC_71A_n2A	15	5+5	DFT-16QAM	M+L	Outer_Full	VL	NT	16.000000	0.008637	PASS
DC_71A_n2A	15	5+5	DFT-16QAM	M+L	Outer_Full	VN	NT	14.000000	0.007557	PASS
DC_71A_n2A	15	5+5	DFT-16QAM	M+L	Outer_Full	VH	NT	17.000000	0.009177	PASS
DC_71A_n2A	15	5+5	DFT-QPSK	M+M	Outer_Full	VL	NT	1.000000	0.000532	PASS
DC_71A_n2A	15	5+5	DFT-QPSK	M+M	Outer_Full	VN	NT	9.000000	0.004787	PASS
DC_71A_n2A	15	5+5	DFT-QPSK	M+M	Outer_Full	VH	NT	14.000000	0.007447	PASS
DC_71A_n2A	15	5+5	DFT-16QAM	M+M	Outer_Full	VL	NT	19.000000	0.010106	PASS
DC_71A_n2A	15	5+5	DFT-16QAM	M+M	Outer_Full	VN	NT	5.000000	0.002660	PASS
DC_71A_n2A	15	5+5	DFT-16QAM	M+M	Outer_Full	VH	NT	8.000000	0.004255	PASS
DC_71A_n2A	15	5+5	DFT-QPSK	M+H	Outer_Full	VL	NT	15.000000	0.007863	PASS
DC_71A_n2A	15	5+5	DFT-QPSK	M+H	Outer_Full	VN	NT	8.000000	0.004194	PASS
DC_71A_n2A	15	5+5	DFT-QPSK	M+H	Outer_Full	VH	NT	1.000000	0.000524	PASS
DC_71A_n2A	15	5+5	DFT-16QAM	M+H	Outer_Full	VL	NT	1.000000	0.000524	PASS
DC_71A_n2A	15	5+5	DFT-16QAM	M+H	Outer_Full	VN	NT	18.000000	0.009436	PASS

DC_71A_n2A	15	5+5	DFT-16QAM	M+H	Outer_Full	VH	NT	8.000000	0.004194	PASS
DC_71A_n2A	15	5+10	DFT-QPSK	M+L	Outer_Full	VL	NT	7.000000	0.003774	PASS
DC_71A_n2A	15	5+10	DFT-QPSK	M+L	Outer_Full	VN	NT	9.000000	0.004852	PASS
DC_71A_n2A	15	5+10	DFT-QPSK	M+L	Outer_Full	VH	NT	2.000000	0.001078	PASS
DC_71A_n2A	15	5+10	DFT-16QAM	M+L	Outer_Full	VL	NT	17.000000	0.009164	PASS
DC_71A_n2A	15	5+10	DFT-16QAM	M+L	Outer_Full	VN	NT	16.000000	0.008625	PASS
DC_71A_n2A	15	5+10	DFT-16QAM	M+L	Outer_Full	VH	NT	2.000000	0.001078	PASS
DC_71A_n2A	15	5+10	DFT-QPSK	M+M	Outer_Full	VL	NT	8.000000	0.004255	PASS
DC_71A_n2A	15	5+10	DFT-QPSK	M+M	Outer_Full	VN	NT	17.000000	0.009043	PASS
DC_71A_n2A	15	5+10	DFT-QPSK	M+M	Outer_Full	VH	NT	10.000000	0.005319	PASS
DC_71A_n2A	15	5+10	DFT-16QAM	M+M	Outer_Full	VL	NT	9.000000	0.004787	PASS
DC_71A_n2A	15	5+10	DFT-16QAM	M+M	Outer_Full	VN	NT	7.000000	0.003723	PASS
DC_71A_n2A	15	5+10	DFT-16QAM	M+M	Outer_Full	VH	NT	6.000000	0.003191	PASS
DC_71A_n2A	15	5+10	DFT-QPSK	M+H	Outer_Full	VL	NT	8.000000	0.004199	PASS
DC_71A_n2A	15	5+10	DFT-QPSK	M+H	Outer_Full	VN	NT	5.000000	0.002625	PASS
DC_71A_n2A	15	5+10	DFT-QPSK	M+H	Outer_Full	VH	NT	8.000000	0.004199	PASS
DC_71A_n2A	15	5+10	DFT-16QAM	M+H	Outer_Full	VL	NT	19.000000	0.009974	PASS
DC_71A_n2A	15	5+10	DFT-16QAM	M+H	Outer_Full	VN	NT	5.000000	0.002625	PASS
DC_71A_n2A	15	5+10	DFT-16QAM	M+H	Outer_Full	VH	NT	5.000000	0.002625	PASS
DC_71A_n2A	15	5+15	DFT-QPSK	M+L	Outer_Full	VL	NT	2.000000	0.001077	PASS
DC_71A_n2A	15	5+15	DFT-QPSK	M+L	Outer_Full	VN	NT	14.000000	0.007537	PASS

DC_71A_n2A	15	5+15	DFT-QPSK	M+L	Outer_Full	VH	NT	16.000000	0.008614	PASS
DC_71A_n2A	15	5+15	DFT-16QAM	M+L	Outer_Full	VL	NT	15.000000	0.008075	PASS
DC_71A_n2A	15	5+15	DFT-16QAM	M+L	Outer_Full	VN	NT	14.000000	0.007537	PASS
DC_71A_n2A	15	5+15	DFT-16QAM	M+L	Outer_Full	VH	NT	17.000000	0.009152	PASS
DC_71A_n2A	15	5+15	DFT-QPSK	M+M	Outer_Full	VL	NT	10.000000	0.005319	PASS
DC_71A_n2A	15	5+15	DFT-QPSK	M+M	Outer_Full	VN	NT	12.000000	0.006383	PASS
DC_71A_n2A	15	5+15	DFT-QPSK	M+M	Outer_Full	VH	NT	19.000000	0.010106	PASS
DC_71A_n2A	15	5+15	DFT-16QAM	M+M	Outer_Full	VL	NT	18.000000	0.009574	PASS
DC_71A_n2A	15	5+15	DFT-16QAM	M+M	Outer_Full	VN	NT	4.000000	0.002128	PASS
DC_71A_n2A	15	5+15	DFT-16QAM	M+M	Outer_Full	VH	NT	3.000000	0.001596	PASS
DC_71A_n2A	15	5+15	DFT-QPSK	M+H	Outer_Full	VL	NT	2.000000	0.001051	PASS
DC_71A_n2A	15	5+15	DFT-QPSK	M+H	Outer_Full	VN	NT	8.000000	0.004205	PASS
DC_71A_n2A	15	5+15	DFT-QPSK	M+H	Outer_Full	VH	NT	15.000000	0.007884	PASS
DC_71A_n2A	15	5+15	DFT-16QAM	M+H	Outer_Full	VL	NT	5.000000	0.002628	PASS
DC_71A_n2A	15	5+15	DFT-16QAM	M+H	Outer_Full	VN	NT	10.000000	0.005256	PASS
DC_71A_n2A	15	5+15	DFT-16QAM	M+H	Outer_Full	VH	NT	16.000000	0.008410	PASS
DC_71A_n2A	15	5+20	DFT-QPSK	M+L	Outer_Full	VL	NT	10.000000	0.005376	PASS
DC_71A_n2A	15	5+20	DFT-QPSK	M+L	Outer_Full	VN	NT	19.000000	0.010215	PASS
DC_71A_n2A	15	5+20	DFT-QPSK	M+L	Outer_Full	VH	NT	2.000000	0.001075	PASS
DC_71A_n2A	15	5+20	DFT-16QAM	M+L	Outer_Full	VL	NT	3.000000	0.001613	PASS
DC_71A_n2A	15	5+20	DFT-16QAM	M+L	Outer_Full	VN	NT	17.000000	0.009140	PASS

DC_71A_n2A	15	5+20	DFT-16QAM	M+L	Outer_Full	VH	NT	1.000000	0.000538	PASS
DC_71A_n2A	15	5+20	DFT-QPSK	M+M	Outer_Full	VL	NT	3.000000	0.001596	PASS
DC_71A_n2A	15	5+20	DFT-QPSK	M+M	Outer_Full	VN	NT	2.000000	0.001064	PASS
DC_71A_n2A	15	5+20	DFT-QPSK	M+M	Outer_Full	VH	NT	5.000000	0.002660	PASS
DC_71A_n2A	15	5+20	DFT-16QAM	M+M	Outer_Full	VL	NT	16.000000	0.008511	PASS
DC_71A_n2A	15	5+20	DFT-16QAM	M+M	Outer_Full	VN	NT	18.000000	0.009574	PASS
DC_71A_n2A	15	5+20	DFT-16QAM	M+M	Outer_Full	VH	NT	12.000000	0.006383	PASS
DC_71A_n2A	15	5+20	DFT-QPSK	M+H	Outer_Full	VL	NT	7.000000	0.003684	PASS
DC_71A_n2A	15	5+20	DFT-QPSK	M+H	Outer_Full	VN	NT	9.000000	0.004737	PASS
DC_71A_n2A	15	5+20	DFT-QPSK	M+H	Outer_Full	VH	NT	3.000000	0.001579	PASS
DC_71A_n2A	15	5+20	DFT-16QAM	M+H	Outer_Full	VL	NT	13.000000	0.006842	PASS
DC_71A_n2A	15	5+20	DFT-16QAM	M+H	Outer_Full	VN	NT	18.000000	0.009474	PASS
DC_71A_n2A	15	5+20	DFT-16QAM	M+H	Outer_Full	VH	NT	6.000000	0.003158	PASS

Frequency Error VS. Temperature

Voltage										
Band	SCS	Bandwidth	Modulation	Channel	RB Config	Voltage	Temperature	Deviation(Hz)	Deviation (ppm)	Verdict
DC_71A_n2A	15	5+5	DFT-QPSK	M+L	Outer_Full	NV	-30	15.000000	0.008097	PASS
DC_71A_n2A	15	5+5	DFT-QPSK	M+L	Outer_Full	NV	-20	3.000000	0.001619	PASS
DC_71A_n2A	15	5+5	DFT-QPSK	M+L	Outer_Full	NV	-10	10.000000	0.005398	PASS
DC_71A_n2A	15	5+5	DFT-QPSK	M+L	Outer_Full	NV	0	16.000000	0.008637	PASS
DC_71A_n2A	15	5+5	DFT-QPSK	M+L	Outer_Full	NV	10	11.000000	0.005938	PASS
DC_71A	15	5+5	DFT-QPSK	M+L	Outer_Full	NV	20	15.000000	0.008097	PASS

_n2A										
DC_71A _n2A	15	5+5	DFT-QPSK	M+L	Outer_Full	NV	30	9.000000	0.004858	PASS
DC_71A _n2A	15	5+5	DFT-QPSK	M+L	Outer_Full	NV	40	3.000000	0.001619	PASS
DC_71A _n2A	15	5+5	DFT-QPSK	M+L	Outer_Full	NV	50	12.000000	0.006478	PASS
DC_71A _n2A	15	5+5	DFT-16QAM	M+L	Outer_Full	NV	-30	16.000000	0.008637	PASS
DC_71A _n2A	15	5+5	DFT-16QAM	M+L	Outer_Full	NV	-20	10.000000	0.005398	PASS
DC_71A _n2A	15	5+5	DFT-16QAM	M+L	Outer_Full	NV	-10	17.000000	0.009177	PASS
DC_71A _n2A	15	5+5	DFT-16QAM	M+L	Outer_Full	NV	0	17.000000	0.009177	PASS
DC_71A _n2A	15	5+5	DFT-16QAM	M+L	Outer_Full	NV	10	12.000000	0.006478	PASS
DC_71A _n2A	15	5+5	DFT-16QAM	M+L	Outer_Full	NV	20	10.000000	0.005398	PASS
DC_71A _n2A	15	5+5	DFT-16QAM	M+L	Outer_Full	NV	30	5.000000	0.002699	PASS
DC_71A _n2A	15	5+5	DFT-16QAM	M+L	Outer_Full	NV	40	18.000000	0.009717	PASS
DC_71A _n2A	15	5+5	DFT-16QAM	M+L	Outer_Full	NV	50	10.000000	0.005398	PASS
DC_71A _n2A	15	5+5	DFT-QPSK	M+M	Outer_Full	NV	-30	14.000000	0.007447	PASS
DC_71A _n2A	15	5+5	DFT-QPSK	M+M	Outer_Full	NV	-20	12.000000	0.006383	PASS
DC_71A _n2A	15	5+5	DFT-QPSK	M+M	Outer_Full	NV	-10	19.000000	0.010106	PASS
DC_71A _n2A	15	5+5	DFT-QPSK	M+M	Outer_Full	NV	0	12.000000	0.006383	PASS
DC_71A _n2A	15	5+5	DFT-QPSK	M+M	Outer_Full	NV	10	19.000000	0.010106	PASS
DC_71A _n2A	15	5+5	DFT-QPSK	M+M	Outer_Full	NV	20	13.000000	0.006915	PASS
DC_71A _n2A	15	5+5	DFT-QPSK	M+M	Outer_Full	NV	30	17.000000	0.009043	PASS
DC_71A _n2A	15	5+5	DFT-QPSK	M+M	Outer_Full	NV	40	15.000000	0.007979	PASS
DC_71A	15	5+5	DFT-QPSK	M+M	Outer_Full	NV	50	2.000000	0.001064	PASS

_n2A										
DC_71A _n2A	15	5+5	DFT-16QAM	M+M	Outer_Full	NV	-30	1.000000	0.000532	PASS
DC_71A _n2A	15	5+5	DFT-16QAM	M+M	Outer_Full	NV	-20	18.000000	0.009574	PASS
DC_71A _n2A	15	5+5	DFT-16QAM	M+M	Outer_Full	NV	-10	2.000000	0.001064	PASS
DC_71A _n2A	15	5+5	DFT-16QAM	M+M	Outer_Full	NV	0	12.000000	0.006383	PASS
DC_71A _n2A	15	5+5	DFT-16QAM	M+M	Outer_Full	NV	10	4.000000	0.002128	PASS
DC_71A _n2A	15	5+5	DFT-16QAM	M+M	Outer_Full	NV	20	10.000000	0.005319	PASS
DC_71A _n2A	15	5+5	DFT-16QAM	M+M	Outer_Full	NV	30	12.000000	0.006383	PASS
DC_71A _n2A	15	5+5	DFT-16QAM	M+M	Outer_Full	NV	40	15.000000	0.007979	PASS
DC_71A _n2A	15	5+5	DFT-16QAM	M+M	Outer_Full	NV	50	9.000000	0.004787	PASS
DC_71A _n2A	15	5+5	DFT-QPSK	M+H	Outer_Full	NV	-30	10.000000	0.005242	PASS
DC_71A _n2A	15	5+5	DFT-QPSK	M+H	Outer_Full	NV	-20	4.000000	0.002097	PASS
DC_71A _n2A	15	5+5	DFT-QPSK	M+H	Outer_Full	NV	-10	11.000000	0.005767	PASS
DC_71A _n2A	15	5+5	DFT-QPSK	M+H	Outer_Full	NV	0	18.000000	0.009436	PASS
DC_71A _n2A	15	5+5	DFT-QPSK	M+H	Outer_Full	NV	10	9.000000	0.004718	PASS
DC_71A _n2A	15	5+5	DFT-QPSK	M+H	Outer_Full	NV	20	16.000000	0.008388	PASS
DC_71A _n2A	15	5+5	DFT-QPSK	M+H	Outer_Full	NV	30	4.000000	0.002097	PASS
DC_71A _n2A	15	5+5	DFT-QPSK	M+H	Outer_Full	NV	40	18.000000	0.009436	PASS
DC_71A _n2A	15	5+5	DFT-QPSK	M+H	Outer_Full	NV	50	19.000000	0.009961	PASS
DC_71A _n2A	15	5+5	DFT-16QAM	M+H	Outer_Full	NV	-30	1.000000	0.000524	PASS
DC_71A _n2A	15	5+5	DFT-16QAM	M+H	Outer_Full	NV	-20	15.000000	0.007863	PASS
DC_71A	15	5+5	DFT-16QAM	M+H	Outer_Full	NV	-10	9.000000	0.004718	PASS

_n2A										
DC_71A _n2A	15	5+5	DFT-16QAM	M+H	Outer_Full	NV	0	19.000000	0.009961	PASS
DC_71A _n2A	15	5+5	DFT-16QAM	M+H	Outer_Full	NV	10	2.000000	0.001048	PASS
DC_71A _n2A	15	5+5	DFT-16QAM	M+H	Outer_Full	NV	20	15.000000	0.007863	PASS
DC_71A _n2A	15	5+5	DFT-16QAM	M+H	Outer_Full	NV	30	17.000000	0.008912	PASS
DC_71A _n2A	15	5+5	DFT-16QAM	M+H	Outer_Full	NV	40	1.000000	0.000524	PASS
DC_71A _n2A	15	5+5	DFT-16QAM	M+H	Outer_Full	NV	50	15.000000	0.007863	PASS
DC_71A _n2A	15	5+10	DFT-QPSK	M+L	Outer_Full	NV	-30	1.000000	0.000539	PASS
DC_71A _n2A	15	5+10	DFT-QPSK	M+L	Outer_Full	NV	-20	14.000000	0.007547	PASS
DC_71A _n2A	15	5+10	DFT-QPSK	M+L	Outer_Full	NV	-10	6.000000	0.003235	PASS
DC_71A _n2A	15	5+10	DFT-QPSK	M+L	Outer_Full	NV	0	19.000000	0.010243	PASS
DC_71A _n2A	15	5+10	DFT-QPSK	M+L	Outer_Full	NV	10	11.000000	0.005930	PASS
DC_71A _n2A	15	5+10	DFT-QPSK	M+L	Outer_Full	NV	20	5.000000	0.002695	PASS
DC_71A _n2A	15	5+10	DFT-QPSK	M+L	Outer_Full	NV	30	15.000000	0.008085	PASS
DC_71A _n2A	15	5+10	DFT-QPSK	M+L	Outer_Full	NV	40	19.000000	0.010243	PASS
DC_71A _n2A	15	5+10	DFT-QPSK	M+L	Outer_Full	NV	50	13.000000	0.007008	PASS
DC_71A _n2A	15	5+10	DFT-16QAM	M+L	Outer_Full	NV	-30	5.000000	0.002695	PASS
DC_71A _n2A	15	5+10	DFT-16QAM	M+L	Outer_Full	NV	-20	19.000000	0.010243	PASS
DC_71A _n2A	15	5+10	DFT-16QAM	M+L	Outer_Full	NV	-10	9.000000	0.004852	PASS
DC_71A _n2A	15	5+10	DFT-16QAM	M+L	Outer_Full	NV	0	15.000000	0.008085	PASS
DC_71A _n2A	15	5+10	DFT-16QAM	M+L	Outer_Full	NV	10	6.000000	0.003235	PASS
DC_71A	15	5+10	DFT-16QAM	M+L	Outer_Full	NV	20	1.000000	0.000539	PASS

_n2A										
DC_71A _n2A	15	5+10	DFT-16QAM	M+L	Outer_Full	NV	30	4.000000	0.002156	PASS
DC_71A _n2A	15	5+10	DFT-16QAM	M+L	Outer_Full	NV	40	18.000000	0.009704	PASS
DC_71A _n2A	15	5+10	DFT-16QAM	M+L	Outer_Full	NV	50	12.000000	0.006469	PASS
DC_71A _n2A	15	5+10	DFT-QPSK	M+M	Outer_Full	NV	-30	9.000000	0.004787	PASS
DC_71A _n2A	15	5+10	DFT-QPSK	M+M	Outer_Full	NV	-20	11.000000	0.005851	PASS
DC_71A _n2A	15	5+10	DFT-QPSK	M+M	Outer_Full	NV	-10	13.000000	0.006915	PASS
DC_71A _n2A	15	5+10	DFT-QPSK	M+M	Outer_Full	NV	0	19.000000	0.010106	PASS
DC_71A _n2A	15	5+10	DFT-QPSK	M+M	Outer_Full	NV	10	18.000000	0.009574	PASS
DC_71A _n2A	15	5+10	DFT-QPSK	M+M	Outer_Full	NV	20	12.000000	0.006383	PASS
DC_71A _n2A	15	5+10	DFT-QPSK	M+M	Outer_Full	NV	30	16.000000	0.008511	PASS
DC_71A _n2A	15	5+10	DFT-QPSK	M+M	Outer_Full	NV	40	10.000000	0.005319	PASS
DC_71A _n2A	15	5+10	DFT-QPSK	M+M	Outer_Full	NV	50	5.000000	0.002660	PASS
DC_71A _n2A	15	5+10	DFT-16QAM	M+M	Outer_Full	NV	-30	15.000000	0.007979	PASS
DC_71A _n2A	15	5+10	DFT-16QAM	M+M	Outer_Full	NV	-20	19.000000	0.010106	PASS
DC_71A _n2A	15	5+10	DFT-16QAM	M+M	Outer_Full	NV	-10	13.000000	0.006915	PASS
DC_71A _n2A	15	5+10	DFT-16QAM	M+M	Outer_Full	NV	0	8.000000	0.004255	PASS
DC_71A _n2A	15	5+10	DFT-16QAM	M+M	Outer_Full	NV	10	2.000000	0.001064	PASS
DC_71A _n2A	15	5+10	DFT-16QAM	M+M	Outer_Full	NV	20	6.000000	0.003191	PASS
DC_71A _n2A	15	5+10	DFT-16QAM	M+M	Outer_Full	NV	30	4.000000	0.002128	PASS
DC_71A _n2A	15	5+10	DFT-16QAM	M+M	Outer_Full	NV	40	11.000000	0.005851	PASS
DC_71A	15	5+10	DFT-16QAM	M+M	Outer_Full	NV	50	2.000000	0.001064	PASS

_n2A										
DC_71A_n2A	15	5+10	DFT-QPSK	M+H	Outer_Full	NV	-30	7.000000	0.003675	PASS
DC_71A_n2A	15	5+10	DFT-QPSK	M+H	Outer_Full	NV	-20	17.000000	0.008924	PASS
DC_71A_n2A	15	5+10	DFT-QPSK	M+H	Outer_Full	NV	-10	15.000000	0.007874	PASS
DC_71A_n2A	15	5+10	DFT-QPSK	M+H	Outer_Full	NV	0	10.000000	0.005249	PASS
DC_71A_n2A	15	5+10	DFT-QPSK	M+H	Outer_Full	NV	10	5.000000	0.002625	PASS
DC_71A_n2A	15	5+10	DFT-QPSK	M+H	Outer_Full	NV	20	11.000000	0.005774	PASS
DC_71A_n2A	15	5+10	DFT-QPSK	M+H	Outer_Full	NV	30	6.000000	0.003150	PASS
DC_71A_n2A	15	5+10	DFT-QPSK	M+H	Outer_Full	NV	40	16.000000	0.008399	PASS
DC_71A_n2A	15	5+10	DFT-QPSK	M+H	Outer_Full	NV	50	11.000000	0.005774	PASS
DC_71A_n2A	15	5+10	DFT-16QAM	M+H	Outer_Full	NV	-30	14.000000	0.007349	PASS
DC_71A_n2A	15	5+10	DFT-16QAM	M+H	Outer_Full	NV	-20	17.000000	0.008924	PASS
DC_71A_n2A	15	5+10	DFT-16QAM	M+H	Outer_Full	NV	-10	12.000000	0.006299	PASS
DC_71A_n2A	15	5+10	DFT-16QAM	M+H	Outer_Full	NV	0	6.000000	0.003150	PASS
DC_71A_n2A	15	5+10	DFT-16QAM	M+H	Outer_Full	NV	10	1.000000	0.000525	PASS
DC_71A_n2A	15	5+10	DFT-16QAM	M+H	Outer_Full	NV	20	5.000000	0.002625	PASS
DC_71A_n2A	15	5+10	DFT-16QAM	M+H	Outer_Full	NV	30	2.000000	0.001050	PASS
DC_71A_n2A	15	5+10	DFT-16QAM	M+H	Outer_Full	NV	40	1.000000	0.000525	PASS
DC_71A_n2A	15	5+10	DFT-16QAM	M+H	Outer_Full	NV	50	4.000000	0.002100	PASS
DC_71A_n2A	15	5+15	DFT-QPSK	M+L	Outer_Full	NV	-30	16.000000	0.008614	PASS
DC_71A_n2A	15	5+15	DFT-QPSK	M+L	Outer_Full	NV	-20	17.000000	0.009152	PASS
DC_71A	15	5+15	DFT-QPSK	M+L	Outer_Full	NV	-10	15.000000	0.008075	PASS

_n2A										
DC_71A_n2A	15	5+15	DFT-QPSK	M+L	Outer_Full	NV	0	10.000000	0.005384	PASS
DC_71A_n2A	15	5+15	DFT-QPSK	M+L	Outer_Full	NV	10	13.000000	0.006999	PASS
DC_71A_n2A	15	5+15	DFT-QPSK	M+L	Outer_Full	NV	20	8.000000	0.004307	PASS
DC_71A_n2A	15	5+15	DFT-QPSK	M+L	Outer_Full	NV	30	3.000000	0.001615	PASS
DC_71A_n2A	15	5+15	DFT-QPSK	M+L	Outer_Full	NV	40	16.000000	0.008614	PASS
DC_71A_n2A	15	5+15	DFT-QPSK	M+L	Outer_Full	NV	50	8.000000	0.004307	PASS
DC_71A_n2A	15	5+15	DFT-16QAM	M+L	Outer_Full	NV	-30	16.000000	0.008614	PASS
DC_71A_n2A	15	5+15	DFT-16QAM	M+L	Outer_Full	NV	-20	14.000000	0.007537	PASS
DC_71A_n2A	15	5+15	DFT-16QAM	M+L	Outer_Full	NV	-10	12.000000	0.006460	PASS
DC_71A_n2A	15	5+15	DFT-16QAM	M+L	Outer_Full	NV	0	15.000000	0.008075	PASS
DC_71A_n2A	15	5+15	DFT-16QAM	M+L	Outer_Full	NV	10	17.000000	0.009152	PASS
DC_71A_n2A	15	5+15	DFT-16QAM	M+L	Outer_Full	NV	20	1.000000	0.000538	PASS
DC_71A_n2A	15	5+15	DFT-16QAM	M+L	Outer_Full	NV	30	15.000000	0.008075	PASS
DC_71A_n2A	15	5+15	DFT-16QAM	M+L	Outer_Full	NV	40	16.000000	0.008614	PASS
DC_71A_n2A	15	5+15	DFT-16QAM	M+L	Outer_Full	NV	50	1.000000	0.000538	PASS
DC_71A_n2A	15	5+15	DFT-QPSK	M+M	Outer_Full	NV	-30	6.000000	0.003191	PASS
DC_71A_n2A	15	5+15	DFT-QPSK	M+M	Outer_Full	NV	-20	19.000000	0.010106	PASS
DC_71A_n2A	15	5+15	DFT-QPSK	M+M	Outer_Full	NV	-10	14.000000	0.007447	PASS
DC_71A_n2A	15	5+15	DFT-QPSK	M+M	Outer_Full	NV	0	8.000000	0.004255	PASS
DC_71A_n2A	15	5+15	DFT-QPSK	M+M	Outer_Full	NV	10	19.000000	0.010106	PASS
DC_71A	15	5+15	DFT-QPSK	M+M	Outer_Full	NV	20	13.000000	0.006915	PASS

_n2A										
DC_71A _n2A	15	5+15	DFT-QPSK	M+M	Outer_Full	NV	30	17.000000	0.009043	PASS
DC_71A _n2A	15	5+15	DFT-QPSK	M+M	Outer_Full	NV	40	12.000000	0.006383	PASS
DC_71A _n2A	15	5+15	DFT-QPSK	M+M	Outer_Full	NV	50	13.000000	0.006915	PASS
DC_71A _n2A	15	5+15	DFT-16QAM	M+M	Outer_Full	NV	-30	11.000000	0.005851	PASS
DC_71A _n2A	15	5+15	DFT-16QAM	M+M	Outer_Full	NV	-20	18.000000	0.009574	PASS
DC_71A _n2A	15	5+15	DFT-16QAM	M+M	Outer_Full	NV	-10	13.000000	0.006915	PASS
DC_71A _n2A	15	5+15	DFT-16QAM	M+M	Outer_Full	NV	0	7.000000	0.003723	PASS
DC_71A _n2A	15	5+15	DFT-16QAM	M+M	Outer_Full	NV	10	14.000000	0.007447	PASS
DC_71A _n2A	15	5+15	DFT-16QAM	M+M	Outer_Full	NV	20	2.000000	0.001064	PASS
DC_71A _n2A	15	5+15	DFT-16QAM	M+M	Outer_Full	NV	30	15.000000	0.007979	PASS
DC_71A _n2A	15	5+15	DFT-16QAM	M+M	Outer_Full	NV	40	10.000000	0.005319	PASS
DC_71A _n2A	15	5+15	DFT-16QAM	M+M	Outer_Full	NV	50	14.000000	0.007447	PASS
DC_71A _n2A	15	5+15	DFT-QPSK	M+H	Outer_Full	NV	-30	1.000000	0.000526	PASS
DC_71A _n2A	15	5+15	DFT-QPSK	M+H	Outer_Full	NV	-20	19.000000	0.009987	PASS
DC_71A _n2A	15	5+15	DFT-QPSK	M+H	Outer_Full	NV	-10	1.000000	0.000526	PASS
DC_71A _n2A	15	5+15	DFT-QPSK	M+H	Outer_Full	NV	0	11.000000	0.005782	PASS
DC_71A _n2A	15	5+15	DFT-QPSK	M+H	Outer_Full	NV	10	18.000000	0.009461	PASS
DC_71A _n2A	15	5+15	DFT-QPSK	M+H	Outer_Full	NV	20	13.000000	0.006833	PASS
DC_71A _n2A	15	5+15	DFT-QPSK	M+H	Outer_Full	NV	30	4.000000	0.002102	PASS
DC_71A _n2A	15	5+15	DFT-QPSK	M+H	Outer_Full	NV	40	18.000000	0.009461	PASS
DC_71A	15	5+15	DFT-QPSK	M+H	Outer_Full	NV	50	12.000000	0.006307	PASS

_n2A										
DC_71A _n2A	15	5+15	DFT-16QAM	M+H	Outer_Full	NV	-30	19.000000	0.009987	PASS
DC_71A _n2A	15	5+15	DFT-16QAM	M+H	Outer_Full	NV	-20	3.000000	0.001577	PASS
DC_71A _n2A	15	5+15	DFT-16QAM	M+H	Outer_Full	NV	-10	17.000000	0.008936	PASS
DC_71A _n2A	15	5+15	DFT-16QAM	M+H	Outer_Full	NV	0	11.000000	0.005782	PASS
DC_71A _n2A	15	5+15	DFT-16QAM	M+H	Outer_Full	NV	10	6.000000	0.003154	PASS
DC_71A _n2A	15	5+15	DFT-16QAM	M+H	Outer_Full	NV	20	10.000000	0.005256	PASS
DC_71A _n2A	15	5+15	DFT-16QAM	M+H	Outer_Full	NV	30	4.000000	0.002102	PASS
DC_71A _n2A	15	5+15	DFT-16QAM	M+H	Outer_Full	NV	40	18.000000	0.009461	PASS
DC_71A _n2A	15	5+15	DFT-16QAM	M+H	Outer_Full	NV	50	12.000000	0.006307	PASS
DC_71A _n2A	15	5+20	DFT-QPSK	M+L	Outer_Full	NV	-30	8.000000	0.004301	PASS
DC_71A _n2A	15	5+20	DFT-QPSK	M+L	Outer_Full	NV	-20	14.000000	0.007527	PASS
DC_71A _n2A	15	5+20	DFT-QPSK	M+L	Outer_Full	NV	-10	19.000000	0.010215	PASS
DC_71A _n2A	15	5+20	DFT-QPSK	M+L	Outer_Full	NV	0	4.000000	0.002151	PASS
DC_71A _n2A	15	5+20	DFT-QPSK	M+L	Outer_Full	NV	10	18.000000	0.009677	PASS
DC_71A _n2A	15	5+20	DFT-QPSK	M+L	Outer_Full	NV	20	19.000000	0.010215	PASS
DC_71A _n2A	15	5+20	DFT-QPSK	M+L	Outer_Full	NV	30	10.000000	0.005376	PASS
DC_71A _n2A	15	5+20	DFT-QPSK	M+L	Outer_Full	NV	40	2.000000	0.001075	PASS
DC_71A _n2A	15	5+20	DFT-QPSK	M+L	Outer_Full	NV	50	9.000000	0.004839	PASS
DC_71A _n2A	15	5+20	DFT-16QAM	M+L	Outer_Full	NV	-30	7.000000	0.003763	PASS
DC_71A _n2A	15	5+20	DFT-16QAM	M+L	Outer_Full	NV	-20	1.000000	0.000538	PASS
DC_71A	15	5+20	DFT-16QAM	M+L	Outer_Full	NV	-10	12.000000	0.006452	PASS

_n2A										
DC_71A _n2A	15	5+20	DFT-16QAM	M+L	Outer_Full	NV	0	10.000000	0.005376	PASS
DC_71A _n2A	15	5+20	DFT-16QAM	M+L	Outer_Full	NV	10	11.000000	0.005914	PASS
DC_71A _n2A	15	5+20	DFT-16QAM	M+L	Outer_Full	NV	20	18.000000	0.009677	PASS
DC_71A _n2A	15	5+20	DFT-16QAM	M+L	Outer_Full	NV	30	13.000000	0.006989	PASS
DC_71A _n2A	15	5+20	DFT-16QAM	M+L	Outer_Full	NV	40	16.000000	0.008602	PASS
DC_71A _n2A	15	5+20	DFT-16QAM	M+L	Outer_Full	NV	50	15.000000	0.008064	PASS
DC_71A _n2A	15	5+20	DFT-QPSK	M+M	Outer_Full	NV	-30	5.000000	0.002660	PASS
DC_71A _n2A	15	5+20	DFT-QPSK	M+M	Outer_Full	NV	-20	9.000000	0.004787	PASS
DC_71A _n2A	15	5+20	DFT-QPSK	M+M	Outer_Full	NV	-10	10.000000	0.005319	PASS
DC_71A _n2A	15	5+20	DFT-QPSK	M+M	Outer_Full	NV	0	2.000000	0.001064	PASS
DC_71A _n2A	15	5+20	DFT-QPSK	M+M	Outer_Full	NV	10	9.000000	0.004787	PASS
DC_71A _n2A	15	5+20	DFT-QPSK	M+M	Outer_Full	NV	20	10.000000	0.005319	PASS
DC_71A _n2A	15	5+20	DFT-QPSK	M+M	Outer_Full	NV	30	1.000000	0.000532	PASS
DC_71A _n2A	15	5+20	DFT-QPSK	M+M	Outer_Full	NV	40	15.000000	0.007979	PASS
DC_71A _n2A	15	5+20	DFT-QPSK	M+M	Outer_Full	NV	50	13.000000	0.006915	PASS
DC_71A _n2A	15	5+20	DFT-16QAM	M+M	Outer_Full	NV	-30	6.000000	0.003191	PASS
DC_71A _n2A	15	5+20	DFT-16QAM	M+M	Outer_Full	NV	-20	10.000000	0.005319	PASS
DC_71A _n2A	15	5+20	DFT-16QAM	M+M	Outer_Full	NV	-10	5.000000	0.002660	PASS
DC_71A _n2A	15	5+20	DFT-16QAM	M+M	Outer_Full	NV	0	18.000000	0.009574	PASS
DC_71A _n2A	15	5+20	DFT-16QAM	M+M	Outer_Full	NV	10	4.000000	0.002128	PASS
DC_71A	15	5+20	DFT-16QAM	M+M	Outer_Full	NV	20	3.000000	0.001596	PASS

_n2A										
DC_71A _n2A	15	5+20	DFT-16QAM	M+M	Outer_Full	NV	30	13.000000	0.006915	PASS
DC_71A _n2A	15	5+20	DFT-16QAM	M+M	Outer_Full	NV	40	4.000000	0.002128	PASS
DC_71A _n2A	15	5+20	DFT-16QAM	M+M	Outer_Full	NV	50	3.000000	0.001596	PASS
DC_71A _n2A	15	5+20	DFT-QPSK	M+H	Outer_Full	NV	-30	3.000000	0.001579	PASS
DC_71A _n2A	15	5+20	DFT-QPSK	M+H	Outer_Full	NV	-20	16.000000	0.008421	PASS
DC_71A _n2A	15	5+20	DFT-QPSK	M+H	Outer_Full	NV	-10	15.000000	0.007894	PASS
DC_71A _n2A	15	5+20	DFT-QPSK	M+H	Outer_Full	NV	0	16.000000	0.008421	PASS
DC_71A _n2A	15	5+20	DFT-QPSK	M+H	Outer_Full	NV	10	11.000000	0.005789	PASS
DC_71A _n2A	15	5+20	DFT-QPSK	M+H	Outer_Full	NV	20	6.000000	0.003158	PASS
DC_71A _n2A	15	5+20	DFT-QPSK	M+H	Outer_Full	NV	30	19.000000	0.010000	PASS
DC_71A _n2A	15	5+20	DFT-QPSK	M+H	Outer_Full	NV	40	17.000000	0.008947	PASS
DC_71A _n2A	15	5+20	DFT-QPSK	M+H	Outer_Full	NV	50	9.000000	0.004737	PASS
DC_71A _n2A	15	5+20	DFT-16QAM	M+H	Outer_Full	NV	-30	5.000000	0.002632	PASS
DC_71A _n2A	15	5+20	DFT-16QAM	M+H	Outer_Full	NV	-20	18.000000	0.009474	PASS
DC_71A _n2A	15	5+20	DFT-16QAM	M+H	Outer_Full	NV	-10	13.000000	0.006842	PASS
DC_71A _n2A	15	5+20	DFT-16QAM	M+H	Outer_Full	NV	0	11.000000	0.005789	PASS
DC_71A _n2A	15	5+20	DFT-16QAM	M+H	Outer_Full	NV	10	6.000000	0.003158	PASS
DC_71A _n2A	15	5+20	DFT-16QAM	M+H	Outer_Full	NV	20	7.000000	0.003684	PASS
DC_71A _n2A	15	5+20	DFT-16QAM	M+H	Outer_Full	NV	30	1.000000	0.000526	PASS
DC_71A _n2A	15	5+20	DFT-16QAM	M+H	Outer_Full	NV	40	12.000000	0.006316	PASS
DC_71A	15	5+20	DFT-16QAM	M+H	Outer_Full	NV	50	6.000000	0.003158	PASS

_n2A										
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