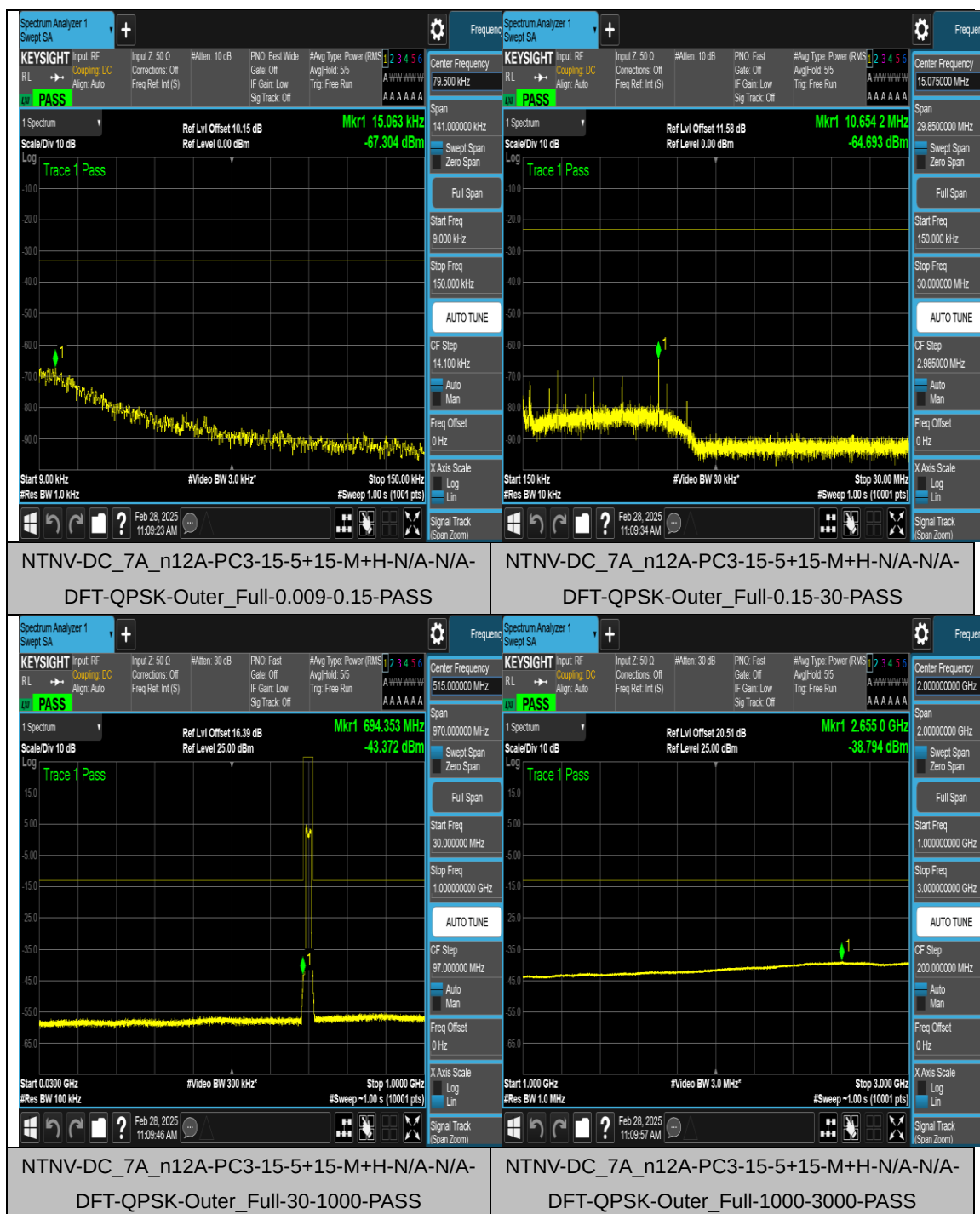
















Appendix F: Frequency Stability for NSA

Test Result

Frequency Error VS. Voltage

Band	SCS	Bandwidth	Modulation	Channel	RB Config	Voltage	Temperature	Deviation(Hz)	Deviation (ppm)	Verdict
DC_7A_n12A	15	5+5	DFT-QPSK	M+L	Outer_Full	VL	NT	0.630000	0.000898	PASS
DC_7A_n12A	15	5+5	DFT-QPSK	M+L	Outer_Full	VN	NT	0.070000	0.000100	PASS
DC_7A_n12A	15	5+5	DFT-QPSK	M+L	Outer_Full	VH	NT	-0.290000	-0.000413	PASS
DC_7A_n12A	15	5+5	DFT-16QAM	M+L	Outer_Full	VL	NT	-0.900000	-0.001283	PASS
DC_7A_n12A	15	5+5	DFT-16QAM	M+L	Outer_Full	VN	NT	-0.440000	-0.000627	PASS
DC_7A_n12A	15	5+5	DFT-16QAM	M+L	Outer_Full	VH	NT	0.290000	0.000413	PASS
DC_7A_n12A	15	5+5	DFT-QPSK	M+M	Outer_Full	VL	NT	0.020000	0.000028	PASS
DC_7A_n12A	15	5+5	DFT-QPSK	M+M	Outer_Full	VN	NT	0.050000	0.000071	PASS
DC_7A_n12A	15	5+5	DFT-QPSK	M+M	Outer_Full	VH	NT	-0.250000	-0.000353	PASS
DC_7A_n12A	15	5+5	DFT-16QAM	M+M	Outer_Full	VL	NT	-0.310000	-0.000438	PASS
DC_7A_n12A	15	5+5	DFT-16QAM	M+M	Outer_Full	VN	NT	0.200000	0.000283	PASS
DC_7A_n12A	15	5+5	DFT-16QAM	M+M	Outer_Full	VH	NT	0.350000	0.000495	PASS
DC_7A_n12A	15	5+5	DFT-QPSK	M+H	Outer_Full	VL	NT	-0.150000	-0.000210	PASS
DC_7A_n12A	15	5+5	DFT-QPSK	M+H	Outer_Full	VN	NT	-0.760000	-0.001065	PASS
DC_7A_n12A	15	5+5	DFT-QPSK	M+H	Outer_Full	VH	NT	0.050000	0.000070	PASS
DC_7A_n12A	15	5+5	DFT-16QAM	M+H	Outer_Full	VL	NT	0.480000	0.000673	PASS
DC_7A_n12A	15	5+5	DFT-16QAM	M+H	Outer_Full	VN	NT	-0.230000	-0.000322	PASS
DC_7A_n12A	15	5+5	DFT-16QAM	M+H	Outer_Full	VH	NT	-0.640000	-0.000897	PASS

n12A										
DC_7A_ n12A	15	5+10	DFT-QPSK	M+L	Outer_Full	VL	NT	-0.080000	-0.000114	PASS
DC_7A_ n12A	15	5+10	DFT-QPSK	M+L	Outer_Full	VN	NT	-0.450000	-0.000639	PASS
DC_7A_ n12A	15	5+10	DFT-QPSK	M+L	Outer_Full	VH	NT	-0.120000	-0.000170	PASS
DC_7A_ n12A	15	5+10	DFT-16QAM	M+L	Outer_Full	VL	NT	-0.170000	-0.000241	PASS
DC_7A_ n12A	15	5+10	DFT-16QAM	M+L	Outer_Full	VN	NT	0.730000	0.001037	PASS
DC_7A_ n12A	15	5+10	DFT-16QAM	M+L	Outer_Full	VH	NT	-0.310000	-0.000440	PASS
DC_7A_ n12A	15	5+10	DFT-QPSK	M+M	Outer_Full	VL	NT	-0.090000	-0.000127	PASS
DC_7A_ n12A	15	5+10	DFT-QPSK	M+M	Outer_Full	VN	NT	0.080000	0.000113	PASS
DC_7A_ n12A	15	5+10	DFT-QPSK	M+M	Outer_Full	VH	NT	0.550000	0.000777	PASS
DC_7A_ n12A	15	5+10	DFT-16QAM	M+M	Outer_Full	VL	NT	0.050000	0.000071	PASS
DC_7A_ n12A	15	5+10	DFT-16QAM	M+M	Outer_Full	VN	NT	-0.040000	-0.000057	PASS
DC_7A_ n12A	15	5+10	DFT-16QAM	M+M	Outer_Full	VH	NT	-0.510000	-0.000721	PASS
DC_7A_ n12A	15	5+10	DFT-QPSK	M+H	Outer_Full	VL	NT	-0.510000	-0.000717	PASS
DC_7A_ n12A	15	5+10	DFT-QPSK	M+H	Outer_Full	VN	NT	0.530000	0.000745	PASS
DC_7A_ n12A	15	5+10	DFT-QPSK	M+H	Outer_Full	VH	NT	-0.420000	-0.000591	PASS
DC_7A_ n12A	15	5+10	DFT-16QAM	M+H	Outer_Full	VL	NT	-0.040000	-0.000056	PASS
DC_7A_ n12A	15	5+10	DFT-16QAM	M+H	Outer_Full	VN	NT	-1.030000	-0.001449	PASS
DC_7A_ n12A	15	5+10	DFT-16QAM	M+H	Outer_Full	VH	NT	0.260000	0.000366	PASS
DC_7A_ n12A	15	5+15	DFT-QPSK	M+L	Outer_Full	VL	NT	-3.140000	-0.004444	PASS
DC_7A_ n12A	15	5+15	DFT-QPSK	M+L	Outer_Full	VN	NT	-4.540000	-0.006426	PASS
DC_7A_ n12A	15	5+15	DFT-QPSK	M+L	Outer_Full	VH	NT	-4.000000	-0.005662	PASS

n12A										
DC_7A_n12A	15	5+15	DFT-16QAM	M+L	Outer_Full	VL	NT	-3.950000	-0.005591	PASS
DC_7A_n12A	15	5+15	DFT-16QAM	M+L	Outer_Full	VN	NT	-4.030000	-0.005704	PASS
DC_7A_n12A	15	5+15	DFT-16QAM	M+L	Outer_Full	VH	NT	-3.810000	-0.005393	PASS
DC_7A_n12A	15	5+15	DFT-QPSK	M+M	Outer_Full	VL	NT	-3.610000	-0.005102	PASS
DC_7A_n12A	15	5+15	DFT-QPSK	M+M	Outer_Full	VN	NT	-4.170000	-0.005894	PASS
DC_7A_n12A	15	5+15	DFT-QPSK	M+M	Outer_Full	VH	NT	-3.710000	-0.005244	PASS
DC_7A_n12A	15	5+15	DFT-16QAM	M+M	Outer_Full	VL	NT	-3.760000	-0.005314	PASS
DC_7A_n12A	15	5+15	DFT-16QAM	M+M	Outer_Full	VN	NT	-4.310000	-0.006092	PASS
DC_7A_n12A	15	5+15	DFT-16QAM	M+M	Outer_Full	VH	NT	-4.110000	-0.005809	PASS
DC_7A_n12A	15	5+15	DFT-QPSK	M+H	Outer_Full	VL	NT	-4.110000	-0.005801	PASS
DC_7A_n12A	15	5+15	DFT-QPSK	M+H	Outer_Full	VN	NT	-4.030000	-0.005688	PASS
DC_7A_n12A	15	5+15	DFT-QPSK	M+H	Outer_Full	VH	NT	-4.360000	-0.006154	PASS
DC_7A_n12A	15	5+15	DFT-16QAM	M+H	Outer_Full	VL	NT	-3.950000	-0.005575	PASS
DC_7A_n12A	15	5+15	DFT-16QAM	M+H	Outer_Full	VN	NT	-4.110000	-0.005801	PASS
DC_7A_n12A	15	5+15	DFT-16QAM	M+H	Outer_Full	VH	NT	-3.620000	-0.005109	PASS

Frequency Error VS. Temperature

Band	SCS	Bandwidth	Modulation	Channel	RB Config	Voltage	Temperature	Deviation(Hz)	Deviation (ppm)	Verdict
DC_7A_n12A	15	5+5	DFT-QPSK	M+L	Outer_Full	NV	-30	-0.880000	-0.001254	PASS
DC_7A_n12A	15	5+5	DFT-QPSK	M+L	Outer_Full	NV	-20	-0.590000	-0.000841	PASS
DC_7A_n12A	15	5+5	DFT-QPSK	M+L	Outer_Full	NV	-10	0.050000	0.000071	PASS
DC_7A_n12A	15	5+5	DFT-QPSK	M+L	Outer_Full	NV	0	-0.630000	-0.000898	PASS

n12A										
DC_7A_ n12A	15	5+5	DFT-QPSK	M+L	Outer_Full	NV	10	-0.490000	-0.000699	PASS
DC_7A_ n12A	15	5+5	DFT-QPSK	M+L	Outer_Full	NV	20	-0.680000	-0.000969	PASS
DC_7A_ n12A	15	5+5	DFT-QPSK	M+L	Outer_Full	NV	30	-0.500000	-0.000713	PASS
DC_7A_ n12A	15	5+5	DFT-QPSK	M+L	Outer_Full	NV	40	-0.630000	-0.000898	PASS
DC_7A_ n12A	15	5+5	DFT-QPSK	M+L	Outer_Full	NV	50	-1.040000	-0.001483	PASS
DC_7A_ n12A	15	5+5	DFT-16QAM	M+L	Outer_Full	NV	-30	-0.230000	-0.000328	PASS
DC_7A_ n12A	15	5+5	DFT-16QAM	M+L	Outer_Full	NV	-20	-0.430000	-0.000613	PASS
DC_7A_ n12A	15	5+5	DFT-16QAM	M+L	Outer_Full	NV	-10	-0.040000	-0.000057	PASS
DC_7A_ n12A	15	5+5	DFT-16QAM	M+L	Outer_Full	NV	0	-0.970000	-0.001383	PASS
DC_7A_ n12A	15	5+5	DFT-16QAM	M+L	Outer_Full	NV	10	-0.210000	-0.000299	PASS
DC_7A_ n12A	15	5+5	DFT-16QAM	M+L	Outer_Full	NV	20	-0.340000	-0.000485	PASS
DC_7A_ n12A	15	5+5	DFT-16QAM	M+L	Outer_Full	NV	30	-0.390000	-0.000556	PASS
DC_7A_ n12A	15	5+5	DFT-16QAM	M+L	Outer_Full	NV	40	-0.760000	-0.001083	PASS
DC_7A_ n12A	15	5+5	DFT-16QAM	M+L	Outer_Full	NV	50	0.170000	0.000242	PASS
DC_7A_ n12A	15	5+5	DFT-QPSK	M+M	Outer_Full	NV	-30	-0.310000	-0.000438	PASS
DC_7A_ n12A	15	5+5	DFT-QPSK	M+M	Outer_Full	NV	-20	-0.260000	-0.000367	PASS
DC_7A_ n12A	15	5+5	DFT-QPSK	M+M	Outer_Full	NV	-10	-0.360000	-0.000509	PASS
DC_7A_ n12A	15	5+5	DFT-QPSK	M+M	Outer_Full	NV	0	-0.190000	-0.000269	PASS
DC_7A_ n12A	15	5+5	DFT-QPSK	M+M	Outer_Full	NV	10	-0.800000	-0.001131	PASS
DC_7A_ n12A	15	5+5	DFT-QPSK	M+M	Outer_Full	NV	20	-0.410000	-0.000580	PASS
DC_7A_ n12A	15	5+5	DFT-QPSK	M+M	Outer_Full	NV	30	-0.110000	-0.000155	PASS

n12A										
DC_7A_ n12A	15	5+5	DFT-QPSK	M+M	Outer_Full	NV	40	0.240000	0.000339	PASS
DC_7A_ n12A	15	5+5	DFT-QPSK	M+M	Outer_Full	NV	50	-0.730000	-0.001032	PASS
DC_7A_ n12A	15	5+5	DFT-16QAM	M+M	Outer_Full	NV	-30	-0.930000	-0.001314	PASS
DC_7A_ n12A	15	5+5	DFT-16QAM	M+M	Outer_Full	NV	-20	0.000000	0.000000	PASS
DC_7A_ n12A	15	5+5	DFT-16QAM	M+M	Outer_Full	NV	-10	-0.040000	-0.000057	PASS
DC_7A_ n12A	15	5+5	DFT-16QAM	M+M	Outer_Full	NV	0	0.500000	0.000707	PASS
DC_7A_ n12A	15	5+5	DFT-16QAM	M+M	Outer_Full	NV	10	-0.240000	-0.000339	PASS
DC_7A_ n12A	15	5+5	DFT-16QAM	M+M	Outer_Full	NV	20	-0.440000	-0.000622	PASS
DC_7A_ n12A	15	5+5	DFT-16QAM	M+M	Outer_Full	NV	30	0.240000	0.000339	PASS
DC_7A_ n12A	15	5+5	DFT-16QAM	M+M	Outer_Full	NV	40	-0.520000	-0.000735	PASS
DC_7A_ n12A	15	5+5	DFT-16QAM	M+M	Outer_Full	NV	50	0.080000	0.000113	PASS
DC_7A_ n12A	15	5+5	DFT-QPSK	M+H	Outer_Full	NV	-30	-0.940000	-0.001317	PASS
DC_7A_ n12A	15	5+5	DFT-QPSK	M+H	Outer_Full	NV	-20	-0.700000	-0.000981	PASS
DC_7A_ n12A	15	5+5	DFT-QPSK	M+H	Outer_Full	NV	-10	-0.730000	-0.001023	PASS
DC_7A_ n12A	15	5+5	DFT-QPSK	M+H	Outer_Full	NV	0	-0.300000	-0.000420	PASS
DC_7A_ n12A	15	5+5	DFT-QPSK	M+H	Outer_Full	NV	10	-0.560000	-0.000785	PASS
DC_7A_ n12A	15	5+5	DFT-QPSK	M+H	Outer_Full	NV	20	-0.800000	-0.001121	PASS
DC_7A_ n12A	15	5+5	DFT-QPSK	M+H	Outer_Full	NV	30	0.210000	0.000294	PASS
DC_7A_ n12A	15	5+5	DFT-QPSK	M+H	Outer_Full	NV	40	-0.240000	-0.000336	PASS
DC_7A_ n12A	15	5+5	DFT-QPSK	M+H	Outer_Full	NV	50	-0.060000	-0.000084	PASS
DC_7A_ n12A	15	5+5	DFT-16QAM	M+H	Outer_Full	NV	-30	-1.610000	-0.002256	PASS

n12A										
DC_7A_ n12A	15	5+5	DFT-16QAM	M+H	Outer_Full	NV	-20	-0.270000	-0.000378	PASS
DC_7A_ n12A	15	5+5	DFT-16QAM	M+H	Outer_Full	NV	-10	-0.740000	-0.001037	PASS
DC_7A_ n12A	15	5+5	DFT-16QAM	M+H	Outer_Full	NV	0	-0.940000	-0.001317	PASS
DC_7A_ n12A	15	5+5	DFT-16QAM	M+H	Outer_Full	NV	10	-0.490000	-0.000687	PASS
DC_7A_ n12A	15	5+5	DFT-16QAM	M+H	Outer_Full	NV	20	-0.890000	-0.001247	PASS
DC_7A_ n12A	15	5+5	DFT-16QAM	M+H	Outer_Full	NV	30	-0.190000	-0.000266	PASS
DC_7A_ n12A	15	5+5	DFT-16QAM	M+H	Outer_Full	NV	40	-0.380000	-0.000533	PASS
DC_7A_ n12A	15	5+5	DFT-16QAM	M+H	Outer_Full	NV	50	-0.430000	-0.000603	PASS
DC_7A_ n12A	15	5+10	DFT-QPSK	M+L	Outer_Full	NV	-30	-0.390000	-0.000554	PASS
DC_7A_ n12A	15	5+10	DFT-QPSK	M+L	Outer_Full	NV	-20	0.530000	0.000753	PASS
DC_7A_ n12A	15	5+10	DFT-QPSK	M+L	Outer_Full	NV	-10	0.120000	0.000170	PASS
DC_7A_ n12A	15	5+10	DFT-QPSK	M+L	Outer_Full	NV	0	-0.060000	-0.000085	PASS
DC_7A_ n12A	15	5+10	DFT-QPSK	M+L	Outer_Full	NV	10	-0.330000	-0.000469	PASS
DC_7A_ n12A	15	5+10	DFT-QPSK	M+L	Outer_Full	NV	20	-0.130000	-0.000185	PASS
DC_7A_ n12A	15	5+10	DFT-QPSK	M+L	Outer_Full	NV	30	0.050000	0.000071	PASS
DC_7A_ n12A	15	5+10	DFT-QPSK	M+L	Outer_Full	NV	40	0.090000	0.000128	PASS
DC_7A_ n12A	15	5+10	DFT-QPSK	M+L	Outer_Full	NV	50	-0.310000	-0.000440	PASS
DC_7A_ n12A	15	5+10	DFT-16QAM	M+L	Outer_Full	NV	-30	-0.930000	-0.001321	PASS
DC_7A_ n12A	15	5+10	DFT-16QAM	M+L	Outer_Full	NV	-20	-0.220000	-0.000313	PASS
DC_7A_ n12A	15	5+10	DFT-16QAM	M+L	Outer_Full	NV	-10	0.210000	0.000298	PASS
DC_7A_ n12A	15	5+10	DFT-16QAM	M+L	Outer_Full	NV	0	0.230000	0.000327	PASS

n12A										
DC_7A_ n12A	15	5+10	DFT-16QAM	M+L	Outer_Full	NV	10	-0.100000	-0.000142	PASS
DC_7A_ n12A	15	5+10	DFT-16QAM	M+L	Outer_Full	NV	20	-0.750000	-0.001065	PASS
DC_7A_ n12A	15	5+10	DFT-16QAM	M+L	Outer_Full	NV	30	-0.080000	-0.000114	PASS
DC_7A_ n12A	15	5+10	DFT-16QAM	M+L	Outer_Full	NV	40	-0.270000	-0.000384	PASS
DC_7A_ n12A	15	5+10	DFT-16QAM	M+L	Outer_Full	NV	50	-0.310000	-0.000440	PASS
DC_7A_ n12A	15	5+10	DFT-QPSK	M+M	Outer_Full	NV	-30	-0.130000	-0.000184	PASS
DC_7A_ n12A	15	5+10	DFT-QPSK	M+M	Outer_Full	NV	-20	-0.900000	-0.001272	PASS
DC_7A_ n12A	15	5+10	DFT-QPSK	M+M	Outer_Full	NV	-10	0.330000	0.000466	PASS
DC_7A_ n12A	15	5+10	DFT-QPSK	M+M	Outer_Full	NV	0	-0.830000	-0.001173	PASS
DC_7A_ n12A	15	5+10	DFT-QPSK	M+M	Outer_Full	NV	10	-0.320000	-0.000452	PASS
DC_7A_ n12A	15	5+10	DFT-QPSK	M+M	Outer_Full	NV	20	0.500000	0.000707	PASS
DC_7A_ n12A	15	5+10	DFT-QPSK	M+M	Outer_Full	NV	30	-0.190000	-0.000269	PASS
DC_7A_ n12A	15	5+10	DFT-QPSK	M+M	Outer_Full	NV	40	-0.440000	-0.000622	PASS
DC_7A_ n12A	15	5+10	DFT-QPSK	M+M	Outer_Full	NV	50	-0.340000	-0.000481	PASS
DC_7A_ n12A	15	5+10	DFT-16QAM	M+M	Outer_Full	NV	-30	-0.450000	-0.000636	PASS
DC_7A_ n12A	15	5+10	DFT-16QAM	M+M	Outer_Full	NV	-20	-0.490000	-0.000693	PASS
DC_7A_ n12A	15	5+10	DFT-16QAM	M+M	Outer_Full	NV	-10	-0.860000	-0.001216	PASS
DC_7A_ n12A	15	5+10	DFT-16QAM	M+M	Outer_Full	NV	0	0.150000	0.000212	PASS
DC_7A_ n12A	15	5+10	DFT-16QAM	M+M	Outer_Full	NV	10	-0.760000	-0.001074	PASS
DC_7A_ n12A	15	5+10	DFT-16QAM	M+M	Outer_Full	NV	20	0.250000	0.000353	PASS
DC_7A_ n12A	15	5+10	DFT-16QAM	M+M	Outer_Full	NV	30	0.210000	0.000297	PASS

n12A										
DC_7A_ n12A	15	5+10	DFT-16QAM	M+M	Outer_Full	NV	40	-1.050000	-0.001484	PASS
DC_7A_ n12A	15	5+10	DFT-16QAM	M+M	Outer_Full	NV	50	1.050000	0.001484	PASS
DC_7A_ n12A	15	5+10	DFT-QPSK	M+H	Outer_Full	NV	-30	-0.640000	-0.000900	PASS
DC_7A_ n12A	15	5+10	DFT-QPSK	M+H	Outer_Full	NV	-20	-0.590000	-0.000830	PASS
DC_7A_ n12A	15	5+10	DFT-QPSK	M+H	Outer_Full	NV	-10	-0.330000	-0.000464	PASS
DC_7A_ n12A	15	5+10	DFT-QPSK	M+H	Outer_Full	NV	0	-1.020000	-0.001435	PASS
DC_7A_ n12A	15	5+10	DFT-QPSK	M+H	Outer_Full	NV	10	-0.260000	-0.000366	PASS
DC_7A_ n12A	15	5+10	DFT-QPSK	M+H	Outer_Full	NV	20	-0.220000	-0.000309	PASS
DC_7A_ n12A	15	5+10	DFT-QPSK	M+H	Outer_Full	NV	30	-0.280000	-0.000394	PASS
DC_7A_ n12A	15	5+10	DFT-QPSK	M+H	Outer_Full	NV	40	-0.650000	-0.000914	PASS
DC_7A_ n12A	15	5+10	DFT-QPSK	M+H	Outer_Full	NV	50	-0.680000	-0.000956	PASS
DC_7A_ n12A	15	5+10	DFT-16QAM	M+H	Outer_Full	NV	-30	-0.670000	-0.000942	PASS
DC_7A_ n12A	15	5+10	DFT-16QAM	M+H	Outer_Full	NV	-20	-0.010000	-0.000014	PASS
DC_7A_ n12A	15	5+10	DFT-16QAM	M+H	Outer_Full	NV	-10	-1.080000	-0.001519	PASS
DC_7A_ n12A	15	5+10	DFT-16QAM	M+H	Outer_Full	NV	0	-0.240000	-0.000338	PASS
DC_7A_ n12A	15	5+10	DFT-16QAM	M+H	Outer_Full	NV	10	-0.050000	-0.000070	PASS
DC_7A_ n12A	15	5+10	DFT-16QAM	M+H	Outer_Full	NV	20	-0.570000	-0.000802	PASS
DC_7A_ n12A	15	5+10	DFT-16QAM	M+H	Outer_Full	NV	30	-0.200000	-0.000281	PASS
DC_7A_ n12A	15	5+10	DFT-16QAM	M+H	Outer_Full	NV	40	-0.440000	-0.000619	PASS
DC_7A_ n12A	15	5+10	DFT-16QAM	M+H	Outer_Full	NV	50	0.330000	0.000464	PASS
DC_7A_ n12A	15	5+15	DFT-QPSK	M+L	Outer_Full	NV	-30	-4.240000	-0.006001	PASS

n12A										
DC_7A_ n12A	15	5+15	DFT-QPSK	M+L	Outer_Full	NV	-20	-3.680000	-0.005209	PASS
DC_7A_ n12A	15	5+15	DFT-QPSK	M+L	Outer_Full	NV	-10	-3.240000	-0.004586	PASS
DC_7A_ n12A	15	5+15	DFT-QPSK	M+L	Outer_Full	NV	0	-4.090000	-0.005789	PASS
DC_7A_ n12A	15	5+15	DFT-QPSK	M+L	Outer_Full	NV	10	-3.670000	-0.005195	PASS
DC_7A_ n12A	15	5+15	DFT-QPSK	M+L	Outer_Full	NV	20	-4.830000	-0.006837	PASS
DC_7A_ n12A	15	5+15	DFT-QPSK	M+L	Outer_Full	NV	30	-3.610000	-0.005110	PASS
DC_7A_ n12A	15	5+15	DFT-QPSK	M+L	Outer_Full	NV	40	-3.660000	-0.005180	PASS
DC_7A_ n12A	15	5+15	DFT-QPSK	M+L	Outer_Full	NV	50	-4.710000	-0.006667	PASS
DC_7A_ n12A	15	5+15	DFT-16QAM	M+L	Outer_Full	NV	-30	-3.800000	-0.005379	PASS
DC_7A_ n12A	15	5+15	DFT-16QAM	M+L	Outer_Full	NV	-20	-4.570000	-0.006469	PASS
DC_7A_ n12A	15	5+15	DFT-16QAM	M+L	Outer_Full	NV	-10	-3.860000	-0.005464	PASS
DC_7A_ n12A	15	5+15	DFT-16QAM	M+L	Outer_Full	NV	0	-3.630000	-0.005138	PASS
DC_7A_ n12A	15	5+15	DFT-16QAM	M+L	Outer_Full	NV	10	-4.280000	-0.006058	PASS
DC_7A_ n12A	15	5+15	DFT-16QAM	M+L	Outer_Full	NV	20	-3.760000	-0.005322	PASS
DC_7A_ n12A	15	5+15	DFT-16QAM	M+L	Outer_Full	NV	30	-3.950000	-0.005591	PASS
DC_7A_ n12A	15	5+15	DFT-16QAM	M+L	Outer_Full	NV	40	-3.120000	-0.004416	PASS
DC_7A_ n12A	15	5+15	DFT-16QAM	M+L	Outer_Full	NV	50	-4.630000	-0.006553	PASS
DC_7A_ n12A	15	5+15	DFT-QPSK	M+M	Outer_Full	NV	-30	-4.040000	-0.005710	PASS
DC_7A_ n12A	15	5+15	DFT-QPSK	M+M	Outer_Full	NV	-20	-3.700000	-0.005230	PASS
DC_7A_ n12A	15	5+15	DFT-QPSK	M+M	Outer_Full	NV	-10	-4.200000	-0.005936	PASS
DC_7A_ n12A	15	5+15	DFT-QPSK	M+M	Outer_Full	NV	0	-4.920000	-0.006954	PASS

n12A										
DC_7A_ n12A	15	5+15	DFT-QPSK	M+M	Outer_Full	NV	10	-4.130000	-0.005837	PASS
DC_7A_ n12A	15	5+15	DFT-QPSK	M+M	Outer_Full	NV	20	-3.450000	-0.004876	PASS
DC_7A_ n12A	15	5+15	DFT-QPSK	M+M	Outer_Full	NV	30	-3.630000	-0.005131	PASS
DC_7A_ n12A	15	5+15	DFT-QPSK	M+M	Outer_Full	NV	40	-4.030000	-0.005696	PASS
DC_7A_ n12A	15	5+15	DFT-QPSK	M+M	Outer_Full	NV	50	-4.170000	-0.005894	PASS
DC_7A_ n12A	15	5+15	DFT-16QAM	M+M	Outer_Full	NV	-30	-3.420000	-0.004834	PASS
DC_7A_ n12A	15	5+15	DFT-16QAM	M+M	Outer_Full	NV	-20	-3.270000	-0.004622	PASS
DC_7A_ n12A	15	5+15	DFT-16QAM	M+M	Outer_Full	NV	-10	-4.290000	-0.006064	PASS
DC_7A_ n12A	15	5+15	DFT-16QAM	M+M	Outer_Full	NV	0	-4.350000	-0.006148	PASS
DC_7A_ n12A	15	5+15	DFT-16QAM	M+M	Outer_Full	NV	10	-4.890000	-0.006912	PASS
DC_7A_ n12A	15	5+15	DFT-16QAM	M+M	Outer_Full	NV	20	-4.620000	-0.006530	PASS
DC_7A_ n12A	15	5+15	DFT-16QAM	M+M	Outer_Full	NV	30	-3.720000	-0.005258	PASS
DC_7A_ n12A	15	5+15	DFT-16QAM	M+M	Outer_Full	NV	40	-4.160000	-0.005880	PASS
DC_7A_ n12A	15	5+15	DFT-16QAM	M+M	Outer_Full	NV	50	-3.680000	-0.005201	PASS
DC_7A_ n12A	15	5+15	DFT-QPSK	M+H	Outer_Full	NV	-30	-4.019999	-0.005674	PASS
DC_7A_ n12A	15	5+15	DFT-QPSK	M+H	Outer_Full	NV	-20	-4.090000	-0.005773	PASS
DC_7A_ n12A	15	5+15	DFT-QPSK	M+H	Outer_Full	NV	-10	-4.170000	-0.005886	PASS
DC_7A_ n12A	15	5+15	DFT-QPSK	M+H	Outer_Full	NV	0	-3.120000	-0.004404	PASS
DC_7A_ n12A	15	5+15	DFT-QPSK	M+H	Outer_Full	NV	10	-3.920000	-0.005533	PASS
DC_7A_ n12A	15	5+15	DFT-QPSK	M+H	Outer_Full	NV	20	-4.139999	-0.005843	PASS
DC_7A_ n12A	15	5+15	DFT-QPSK	M+H	Outer_Full	NV	30	-4.120000	-0.005815	PASS

n12A										
DC_7A_ n12A	15	5+15	DFT-QPSK	M+H	Outer_Full	NV	40	-4.630000	-0.006535	PASS
DC_7A_ n12A	15	5+15	DFT-QPSK	M+H	Outer_Full	NV	50	-3.530000	-0.004982	PASS
DC_7A_ n12A	15	5+15	DFT-16QAM	M+H	Outer_Full	NV	-30	-3.120000	-0.004404	PASS
DC_7A_ n12A	15	5+15	DFT-16QAM	M+H	Outer_Full	NV	-20	-4.430000	-0.006253	PASS
DC_7A_ n12A	15	5+15	DFT-16QAM	M+H	Outer_Full	NV	-10	-3.920000	-0.005533	PASS
DC_7A_ n12A	15	5+15	DFT-16QAM	M+H	Outer_Full	NV	0	-3.430000	-0.004841	PASS
DC_7A_ n12A	15	5+15	DFT-16QAM	M+H	Outer_Full	NV	10	-3.880000	-0.005476	PASS
DC_7A_ n12A	15	5+15	DFT-16QAM	M+H	Outer_Full	NV	20	-3.860000	-0.005448	PASS
DC_7A_ n12A	15	5+15	DFT-16QAM	M+H	Outer_Full	NV	30	-3.550000	-0.005011	PASS
DC_7A_ n12A	15	5+15	DFT-16QAM	M+H	Outer_Full	NV	40	-3.490000	-0.004926	PASS
DC_7A_ n12A	15	5+15	DFT-16QAM	M+H	Outer_Full	NV	50	-3.460000	-0.004884	PASS