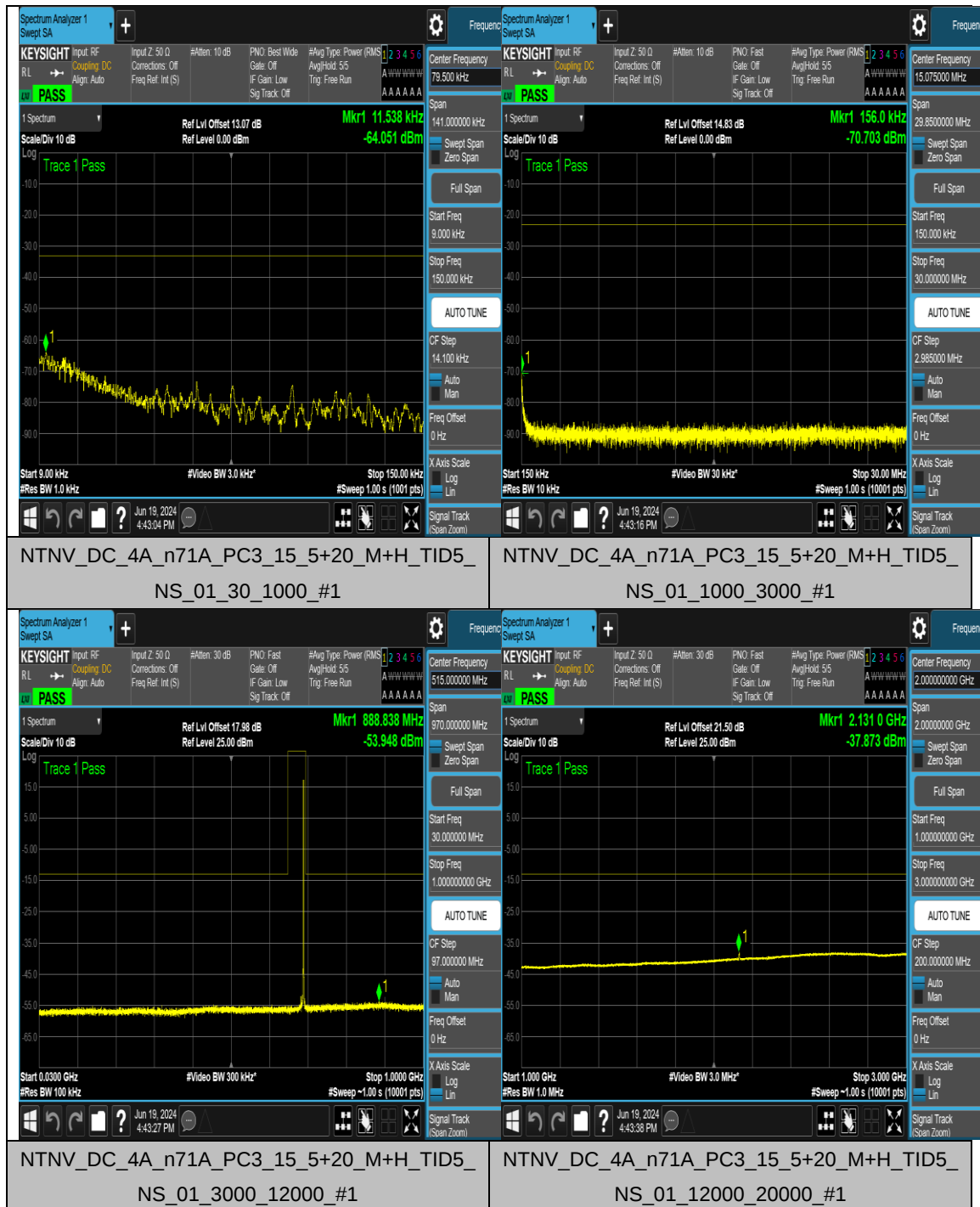
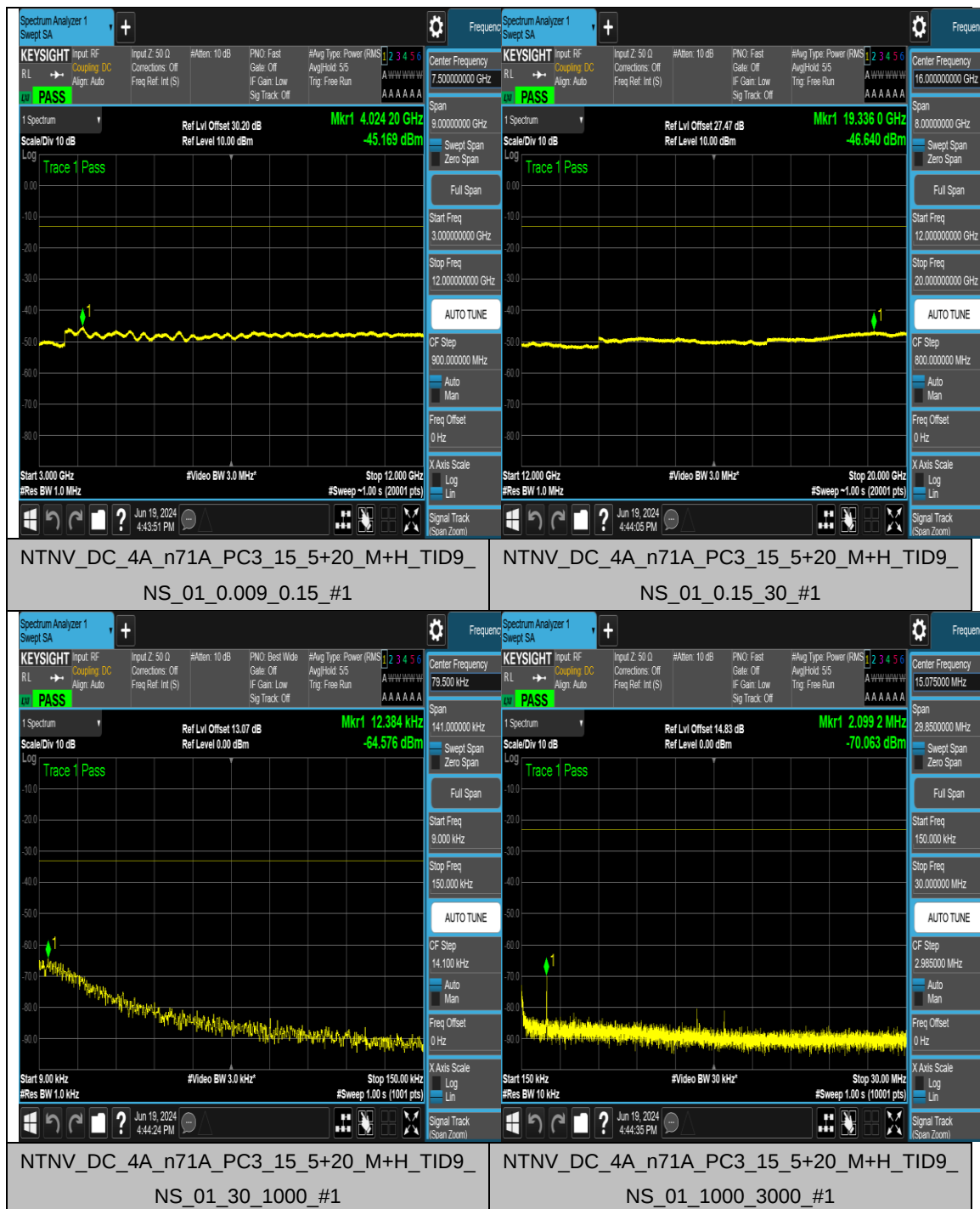
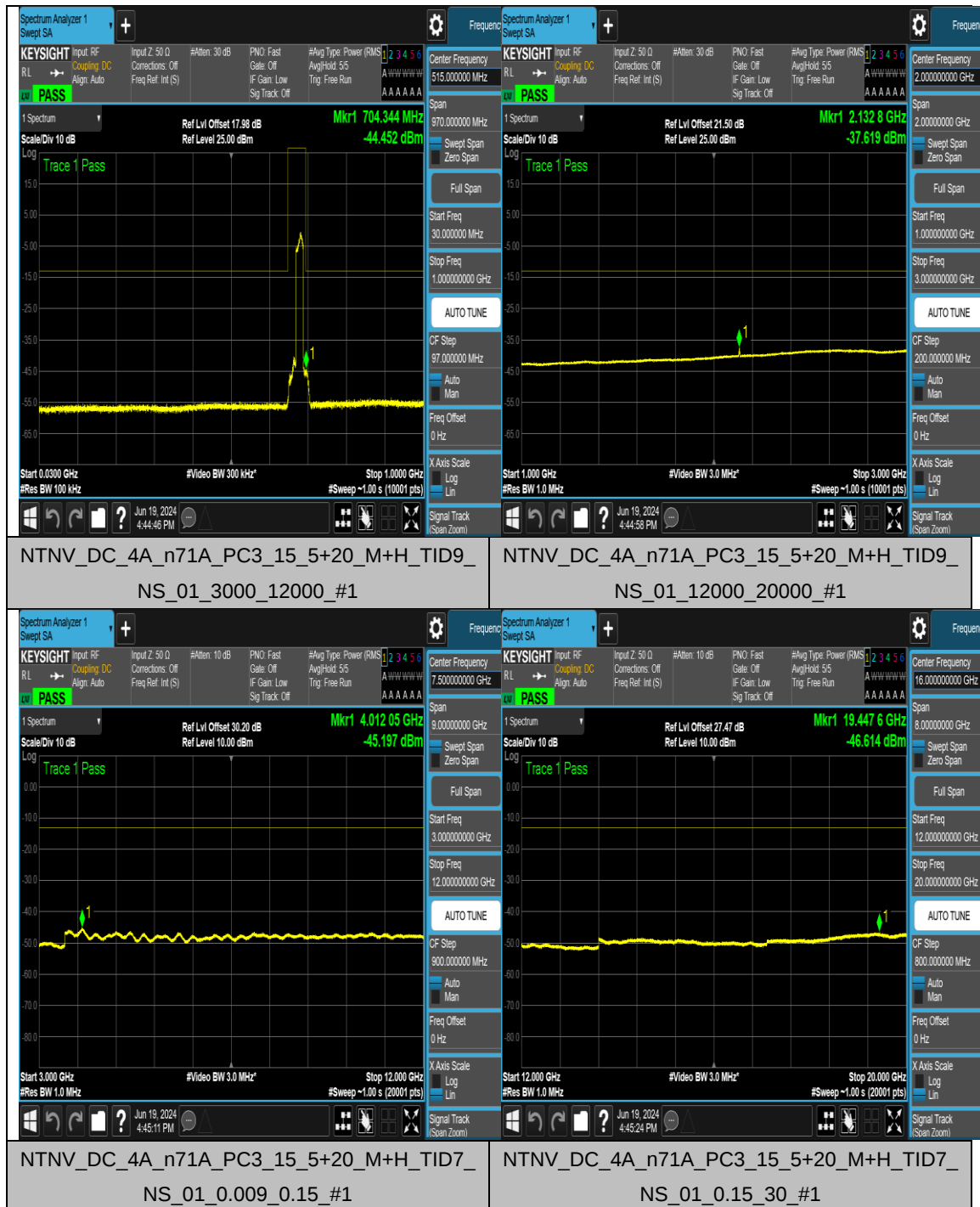
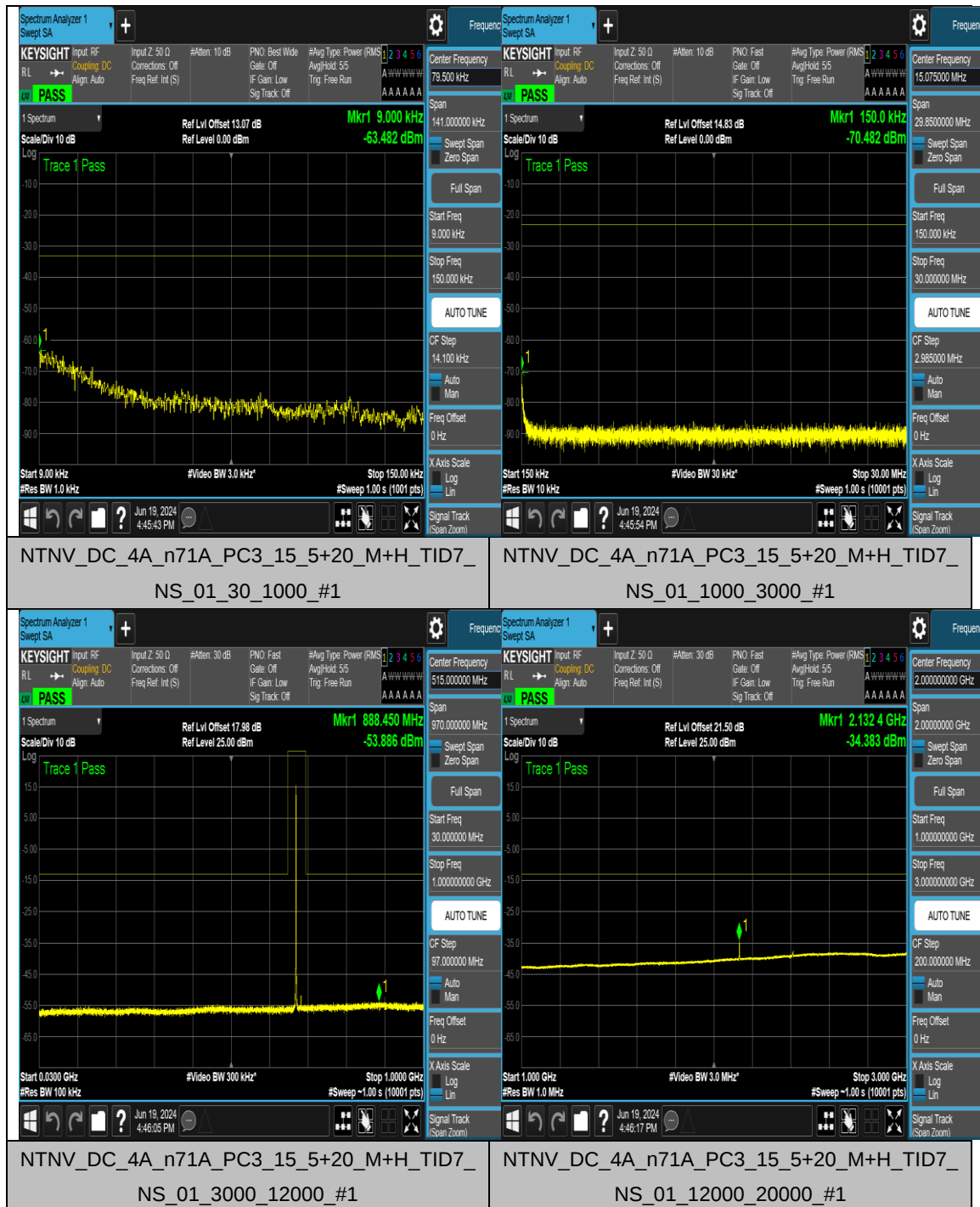














Appendix F: Frequency Stability for NSA

Test Result

Frequency Error VS. Voltage

Voltage										
Band	SCS	Bandwidth	Modulation	Channel	RB Config	Voltage	Temperature	Deviation(Hz)	Deviation (ppm)	Verdict
DC_4A_n71A	15	5+5	DFT-QPSK	M+L	Outer_Full	VL	NT	-4.000000	-0.006011	PASS
DC_4A_n71A	15	5+5	DFT-QPSK	M+L	Outer_Full	VN	NT	-2.330000	-0.003501	PASS
DC_4A_n71A	15	5+5	DFT-QPSK	M+L	Outer_Full	VH	NT	-4.470000	-0.006717	PASS
DC_4A_n71A	15	5+5	DFT-16QAM	M+L	Outer_Full	VL	NT	-3.680000	-0.005530	PASS
DC_4A_n71A	15	5+5	DFT-16QAM	M+L	Outer_Full	VN	NT	-2.380000	-0.003576	PASS
DC_4A_n71A	15	5+5	DFT-16QAM	M+L	Outer_Full	VH	NT	-3.600000	-0.005409	PASS
DC_4A_n71A	15	5+5	DFT-QPSK	M+M	Outer_Full	VL	NT	-3.990000	-0.005863	PASS
DC_4A_n71A	15	5+5	DFT-QPSK	M+M	Outer_Full	VN	NT	-4.300000	-0.006319	PASS
DC_4A_n71A	15	5+5	DFT-QPSK	M+M	Outer_Full	VH	NT	-2.820000	-0.004144	PASS
DC_4A_n71A	15	5+5	DFT-16QAM	M+M	Outer_Full	VL	NT	-3.540000	-0.005202	PASS
DC_4A_n71A	15	5+5	DFT-16QAM	M+M	Outer_Full	VN	NT	-4.290000	-0.006304	PASS
DC_4A_n71A	15	5+5	DFT-16QAM	M+M	Outer_Full	VH	NT	-4.510000	-0.006627	PASS
DC_4A_n71A	15	5+5	DFT-QPSK	M+H	Outer_Full	VL	NT	-4.710000	-0.006772	PASS
DC_4A_n71A	15	5+5	DFT-QPSK	M+H	Outer_Full	VN	NT	-4.250000	-0.006111	PASS
DC_4A_n71A	15	5+5	DFT-QPSK	M+H	Outer_Full	VH	NT	-4.160000	-0.005981	PASS
DC_4A_n71A	15	5+5	DFT-16QAM	M+H	Outer_Full	VL	NT	-4.800000	-0.006902	PASS
DC_4A_n71A	15	5+5	DFT-16QAM	M+H	Outer_Full	VN	NT	-4.240000	-0.006096	PASS

DC_4A_ n71A	15	5+5	DFT-16QAM	M+H	Outer_Full	VH	NT	-3.130000	-0.004500	PASS
DC_4A_ n71A	15	5+10	DFT-QPSK	M+L	Outer_Full	VL	NT	-1.700000	-0.002545	PASS
DC_4A_ n71A	15	5+10	DFT-QPSK	M+L	Outer_Full	VN	NT	-1.760000	-0.002635	PASS
DC_4A_ n71A	15	5+10	DFT-QPSK	M+L	Outer_Full	VH	NT	-2.160000	-0.003234	PASS
DC_4A_ n71A	15	5+10	DFT-16QAM	M+L	Outer_Full	VL	NT	-1.140000	-0.001707	PASS
DC_4A_ n71A	15	5+10	DFT-16QAM	M+L	Outer_Full	VN	NT	-0.210000	-0.000314	PASS
DC_4A_ n71A	15	5+10	DFT-16QAM	M+L	Outer_Full	VH	NT	-1.520000	-0.002275	PASS
DC_4A_ n71A	15	5+10	DFT-QPSK	M+M	Outer_Full	VL	NT	-6.530000	-0.009596	PASS
DC_4A_ n71A	15	5+10	DFT-QPSK	M+M	Outer_Full	VN	NT	-6.520000	-0.009581	PASS
DC_4A_ n71A	15	5+10	DFT-QPSK	M+M	Outer_Full	VH	NT	-6.760000	-0.009934	PASS
DC_4A_ n71A	15	5+10	DFT-16QAM	M+M	Outer_Full	VL	NT	-6.390000	-0.009390	PASS
DC_4A_ n71A	15	5+10	DFT-16QAM	M+M	Outer_Full	VN	NT	-6.750000	-0.009919	PASS
DC_4A_ n71A	15	5+10	DFT-16QAM	M+M	Outer_Full	VH	NT	-6.210000	-0.009126	PASS
DC_4A_ n71A	15	5+10	DFT-16QAM	M+H	Outer_Full	VL	NT	-3.840000	-0.005541	PASS
DC_4A_ n71A	15	5+10	DFT-16QAM	M+H	Outer_Full	VN	NT	-4.070000	-0.005873	PASS
DC_4A_ n71A	15	5+10	DFT-16QAM	M+H	Outer_Full	VH	NT	-3.120000	-0.004502	PASS
DC_4A_ n71A	15	5+15	DFT-QPSK	M+L	Outer_Full	VL	NT	-6.880000	-0.010261	PASS
DC_4A_ n71A	15	5+15	DFT-QPSK	M+L	Outer_Full	VN	NT	-5.510000	-0.008218	PASS
DC_4A_ n71A	15	5+15	DFT-QPSK	M+L	Outer_Full	VH	NT	-5.660000	-0.008441	PASS
DC_4A_ n71A	15	5+15	DFT-16QAM	M+L	Outer_Full	VL	NT	-4.720000	-0.007040	PASS
DC_4A_ n71A	15	5+15	DFT-16QAM	M+L	Outer_Full	VN	NT	-5.080000	-0.007576	PASS

DC_4A_n71A	15	5+15	DFT-16QAM	M+L	Outer_Full	VH	NT	-4.820000	-0.007189	PASS
DC_4A_n71A	15	5+15	DFT-16QAM	M+M	Outer_Full	VL	NT	-7.720000	-0.011345	PASS
DC_4A_n71A	15	5+15	DFT-16QAM	M+M	Outer_Full	VN	NT	-8.800000	-0.012932	PASS
DC_4A_n71A	15	5+15	DFT-16QAM	M+M	Outer_Full	VH	NT	-8.380000	-0.012314	PASS
DC_4A_n71A	15	5+15	DFT-QPSK	M+H	Outer_Full	VL	NT	-3.460000	-0.005011	PASS
DC_4A_n71A	15	5+15	DFT-QPSK	M+H	Outer_Full	VN	NT	-2.500000	-0.003621	PASS
DC_4A_n71A	15	5+15	DFT-QPSK	M+H	Outer_Full	VH	NT	-2.590000	-0.003751	PASS
DC_4A_n71A	15	5+15	DFT-16QAM	M+H	Outer_Full	VL	NT	-3.470000	-0.005025	PASS
DC_4A_n71A	15	5+15	DFT-16QAM	M+H	Outer_Full	VN	NT	-2.540000	-0.003678	PASS
DC_4A_n71A	15	5+15	DFT-16QAM	M+H	Outer_Full	VH	NT	-4.380000	-0.006343	PASS
DC_4A_n71A	15	5+20	DFT-QPSK	M+L	Outer_Full	VL	NT	-8.260000	-0.012273	PASS
DC_4A_n71A	15	5+20	DFT-QPSK	M+L	Outer_Full	VN	NT	-8.760000	-0.013016	PASS
DC_4A_n71A	15	5+20	DFT-QPSK	M+L	Outer_Full	VH	NT	-9.180000	-0.013640	PASS
DC_4A_n71A	15	5+20	DFT-16QAM	M+L	Outer_Full	VL	NT	-8.220000	-0.012214	PASS
DC_4A_n71A	15	5+20	DFT-16QAM	M+L	Outer_Full	VN	NT	-7.550000	-0.011218	PASS
DC_4A_n71A	15	5+20	DFT-16QAM	M+L	Outer_Full	VH	NT	-7.320000	-0.010877	PASS
DC_4A_n71A	15	5+20	DFT-QPSK	M+M	Outer_Full	VL	NT	-11.270000	-0.016561	PASS
DC_4A_n71A	15	5+20	DFT-QPSK	M+M	Outer_Full	VN	NT	-10.440000	-0.015342	PASS
DC_4A_n71A	15	5+20	DFT-QPSK	M+M	Outer_Full	VH	NT	-10.330000	-0.015180	PASS
DC_4A_n71A	15	5+20	DFT-16QAM	M+M	Outer_Full	VL	NT	-9.640000	-0.014166	PASS
DC_4A_n71A	15	5+20	DFT-16QAM	M+M	Outer_Full	VN	NT	-8.279999	-0.012168	PASS

DC_4A_n71A	15	5+20	DFT-16QAM	M+M	Outer_Full	VH	NT	-9.720000	-0.014284	PASS
DC_4A_n71A	15	5+20	DFT-QPSK	M+H	Outer_Full	VL	NT	-10.530000	-0.015305	PASS
DC_4A_n71A	15	5+20	DFT-QPSK	M+H	Outer_Full	VN	NT	-9.780000	-0.014215	PASS
DC_4A_n71A	15	5+20	DFT-QPSK	M+H	Outer_Full	VH	NT	-11.590000	-0.016846	PASS
DC_4A_n71A	15	5+20	DFT-16QAM	M+H	Outer_Full	VL	NT	-11.630000	-0.016904	PASS
DC_4A_n71A	15	5+20	DFT-16QAM	M+H	Outer_Full	VN	NT	-8.580000	-0.012471	PASS
DC_4A_n71A	15	5+20	DFT-16QAM	M+H	Outer_Full	VH	NT	-8.790000	-0.012776	PASS

Frequency Error VS. Temperature

Voltage										
Band	SCS	Bandwidth	Modulation	Channel	RB Config	Voltage	Temperature	Deviation(Hz)	Deviation (ppm)	Verdict
DC_4A_n71A	15	5+5	DFT-QPSK	M+L	Outer_Full	NV	-30	-3.770000	-0.005665	PASS
DC_4A_n71A	15	5+5	DFT-QPSK	M+L	Outer_Full	NV	-20	-3.670000	-0.005515	PASS
DC_4A_n71A	15	5+5	DFT-QPSK	M+L	Outer_Full	NV	-10	-2.790000	-0.004192	PASS
DC_4A_n71A	15	5+5	DFT-QPSK	M+L	Outer_Full	NV	0	-3.940000	-0.005920	PASS
DC_4A_n71A	15	5+5	DFT-QPSK	M+L	Outer_Full	NV	10	-3.080000	-0.004628	PASS
DC_4A_n71A	15	5+5	DFT-QPSK	M+L	Outer_Full	NV	20	-4.160000	-0.006251	PASS
DC_4A_n71A	15	5+5	DFT-QPSK	M+L	Outer_Full	NV	30	-3.040000	-0.004568	PASS
DC_4A_n71A	15	5+5	DFT-QPSK	M+L	Outer_Full	NV	40	-4.460000	-0.006702	PASS
DC_4A_n71A	15	5+5	DFT-QPSK	M+L	Outer_Full	NV	50	-3.760000	-0.005650	PASS
DC_4A_n71A	15	5+5	DFT-16QAM	M+L	Outer_Full	NV	-30	-3.370000	-0.005064	PASS
DC_4A_n71A	15	5+5	DFT-16QAM	M+L	Outer_Full	NV	-20	-3.900000	-0.005860	PASS
DC_4A_n71A	15	5+5	DFT-16QAM	M+L	Outer_Full	NV	-10	-3.270000	-0.004914	PASS

n71A										
DC_4A_ n71A	15	5+5	DFT-16QAM	M+L	Outer_Full	NV	0	-2.960000	-0.004448	PASS
DC_4A_ n71A	15	5+5	DFT-16QAM	M+L	Outer_Full	NV	10	-3.010000	-0.004523	PASS
DC_4A_ n71A	15	5+5	DFT-16QAM	M+L	Outer_Full	NV	20	-2.520000	-0.003787	PASS
DC_4A_ n71A	15	5+5	DFT-16QAM	M+L	Outer_Full	NV	30	-3.470000	-0.005214	PASS
DC_4A_ n71A	15	5+5	DFT-16QAM	M+L	Outer_Full	NV	40	-3.250000	-0.004884	PASS
DC_4A_ n71A	15	5+5	DFT-16QAM	M+L	Outer_Full	NV	50	-4.310000	-0.006476	PASS
DC_4A_ n71A	15	5+5	DFT-QPSK	M+M	Outer_Full	NV	-30	-3.880000	-0.005702	PASS
DC_4A_ n71A	15	5+5	DFT-QPSK	M+M	Outer_Full	NV	-20	-4.170000	-0.006128	PASS
DC_4A_ n71A	15	5+5	DFT-QPSK	M+M	Outer_Full	NV	-10	-3.720000	-0.005467	PASS
DC_4A_ n71A	15	5+5	DFT-QPSK	M+M	Outer_Full	NV	0	-2.650000	-0.003894	PASS
DC_4A_ n71A	15	5+5	DFT-QPSK	M+M	Outer_Full	NV	10	-5.250000	-0.007715	PASS
DC_4A_ n71A	15	5+5	DFT-QPSK	M+M	Outer_Full	NV	20	-3.490000	-0.005129	PASS
DC_4A_ n71A	15	5+5	DFT-QPSK	M+M	Outer_Full	NV	30	-3.680000	-0.005408	PASS
DC_4A_ n71A	15	5+5	DFT-QPSK	M+M	Outer_Full	NV	40	-4.310000	-0.006334	PASS
DC_4A_ n71A	15	5+5	DFT-QPSK	M+M	Outer_Full	NV	50	-4.610000	-0.006774	PASS
DC_4A_ n71A	15	5+5	DFT-16QAM	M+M	Outer_Full	NV	-30	-4.700000	-0.006907	PASS
DC_4A_ n71A	15	5+5	DFT-16QAM	M+M	Outer_Full	NV	-20	-4.930000	-0.007245	PASS
DC_4A_ n71A	15	5+5	DFT-16QAM	M+M	Outer_Full	NV	-10	-4.139999	-0.006084	PASS
DC_4A_ n71A	15	5+5	DFT-16QAM	M+M	Outer_Full	NV	0	-4.150000	-0.006098	PASS
DC_4A_ n71A	15	5+5	DFT-16QAM	M+M	Outer_Full	NV	10	-3.970000	-0.005834	PASS
DC_4A_ n71A	15	5+5	DFT-16QAM	M+M	Outer_Full	NV	20	-6.120000	-0.008993	PASS

n71A										
DC_4A_ n71A	15	5+5	DFT-16QAM	M+M	Outer_Full	NV	30	-3.230000	-0.004747	PASS
DC_4A_ n71A	15	5+5	DFT-16QAM	M+M	Outer_Full	NV	40	-3.740000	-0.005496	PASS
DC_4A_ n71A	15	5+5	DFT-16QAM	M+M	Outer_Full	NV	50	-3.700000	-0.005437	PASS
DC_4A_ n71A	15	5+5	DFT-QPSK	M+H	Outer_Full	NV	-30	-4.530000	-0.006513	PASS
DC_4A_ n71A	15	5+5	DFT-QPSK	M+H	Outer_Full	NV	-20	-2.460000	-0.003537	PASS
DC_4A_ n71A	15	5+5	DFT-QPSK	M+H	Outer_Full	NV	-10	-4.310000	-0.006197	PASS
DC_4A_ n71A	15	5+5	DFT-QPSK	M+H	Outer_Full	NV	0	-3.840000	-0.005521	PASS
DC_4A_ n71A	15	5+5	DFT-QPSK	M+H	Outer_Full	NV	10	-4.080000	-0.005866	PASS
DC_4A_ n71A	15	5+5	DFT-QPSK	M+H	Outer_Full	NV	20	-3.230000	-0.004644	PASS
DC_4A_ n71A	15	5+5	DFT-QPSK	M+H	Outer_Full	NV	30	-3.510000	-0.005047	PASS
DC_4A_ n71A	15	5+5	DFT-QPSK	M+H	Outer_Full	NV	40	-4.460000	-0.006413	PASS
DC_4A_ n71A	15	5+5	DFT-QPSK	M+H	Outer_Full	NV	50	-3.040000	-0.004371	PASS
DC_4A_ n71A	15	5+5	DFT-16QAM	M+H	Outer_Full	NV	-30	-3.700000	-0.005320	PASS
DC_4A_ n71A	15	5+5	DFT-16QAM	M+H	Outer_Full	NV	-20	-4.200000	-0.006039	PASS
DC_4A_ n71A	15	5+5	DFT-16QAM	M+H	Outer_Full	NV	-10	-4.980000	-0.007160	PASS
DC_4A_ n71A	15	5+5	DFT-16QAM	M+H	Outer_Full	NV	0	-3.420000	-0.004917	PASS
DC_4A_ n71A	15	5+5	DFT-16QAM	M+H	Outer_Full	NV	10	-3.550000	-0.005104	PASS
DC_4A_ n71A	15	5+5	DFT-16QAM	M+H	Outer_Full	NV	20	-5.060000	-0.007275	PASS
DC_4A_ n71A	15	5+5	DFT-16QAM	M+H	Outer_Full	NV	30	-4.970000	-0.007146	PASS
DC_4A_ n71A	15	5+5	DFT-16QAM	M+H	Outer_Full	NV	40	-4.960000	-0.007132	PASS
DC_4A_ n71A	15	5+5	DFT-16QAM	M+H	Outer_Full	NV	50	-5.060000	-0.007275	PASS

n71A										
DC_4A_ n71A	15	5+10	DFT-QPSK	M+L	Outer_Full	NV	-30	-0.180000	-0.000269	PASS
DC_4A_ n71A	15	5+10	DFT-QPSK	M+L	Outer_Full	NV	-20	-0.740000	-0.001108	PASS
DC_4A_ n71A	15	5+10	DFT-QPSK	M+L	Outer_Full	NV	-10	-0.830000	-0.001243	PASS
DC_4A_ n71A	15	5+10	DFT-QPSK	M+L	Outer_Full	NV	0	-1.400000	-0.002096	PASS
DC_4A_ n71A	15	5+10	DFT-QPSK	M+L	Outer_Full	NV	10	-1.510000	-0.002260	PASS
DC_4A_ n71A	15	5+10	DFT-QPSK	M+L	Outer_Full	NV	20	-0.390000	-0.000584	PASS
DC_4A_ n71A	15	5+10	DFT-QPSK	M+L	Outer_Full	NV	30	-0.250000	-0.000374	PASS
DC_4A_ n71A	15	5+10	DFT-QPSK	M+L	Outer_Full	NV	40	-1.070000	-0.001602	PASS
DC_4A_ n71A	15	5+10	DFT-QPSK	M+L	Outer_Full	NV	50	-1.320000	-0.001976	PASS
DC_4A_ n71A	15	5+10	DFT-16QAM	M+L	Outer_Full	NV	-30	-1.930000	-0.002889	PASS
DC_4A_ n71A	15	5+10	DFT-16QAM	M+L	Outer_Full	NV	-20	-1.290000	-0.001931	PASS
DC_4A_ n71A	15	5+10	DFT-16QAM	M+L	Outer_Full	NV	-10	-0.700000	-0.001048	PASS
DC_4A_ n71A	15	5+10	DFT-16QAM	M+L	Outer_Full	NV	0	-0.300000	-0.000449	PASS
DC_4A_ n71A	15	5+10	DFT-16QAM	M+L	Outer_Full	NV	10	-0.330000	-0.000494	PASS
DC_4A_ n71A	15	5+10	DFT-16QAM	M+L	Outer_Full	NV	20	-0.550000	-0.000823	PASS
DC_4A_ n71A	15	5+10	DFT-16QAM	M+L	Outer_Full	NV	30	-1.690000	-0.002530	PASS
DC_4A_ n71A	15	5+10	DFT-16QAM	M+L	Outer_Full	NV	40	-1.810000	-0.002710	PASS
DC_4A_ n71A	15	5+10	DFT-16QAM	M+L	Outer_Full	NV	50	-2.230000	-0.003338	PASS
DC_4A_ n71A	15	5+10	DFT-QPSK	M+M	Outer_Full	NV	-30	-6.100000	-0.008964	PASS
DC_4A_ n71A	15	5+10	DFT-QPSK	M+M	Outer_Full	NV	-20	-7.640000	-0.011227	PASS
DC_4A_ n71A	15	5+10	DFT-QPSK	M+M	Outer_Full	NV	-10	-5.280000	-0.007759	PASS

n71A										
DC_4A_ n71A	15	5+10	DFT-QPSK	M+M	Outer_Full	NV	0	-5.220000	-0.007671	PASS
DC_4A_ n71A	15	5+10	DFT-QPSK	M+M	Outer_Full	NV	10	-6.520000	-0.009581	PASS
DC_4A_ n71A	15	5+10	DFT-QPSK	M+M	Outer_Full	NV	20	-5.980000	-0.008788	PASS
DC_4A_ n71A	15	5+10	DFT-QPSK	M+M	Outer_Full	NV	30	-5.950000	-0.008744	PASS
DC_4A_ n71A	15	5+10	DFT-QPSK	M+M	Outer_Full	NV	40	-6.670000	-0.009802	PASS
DC_4A_ n71A	15	5+10	DFT-QPSK	M+M	Outer_Full	NV	50	-7.210000	-0.010595	PASS
DC_4A_ n71A	15	5+10	DFT-16QAM	M+M	Outer_Full	NV	-30	-5.920000	-0.008699	PASS
DC_4A_ n71A	15	5+10	DFT-16QAM	M+M	Outer_Full	NV	-20	-5.920000	-0.008699	PASS
DC_4A_ n71A	15	5+10	DFT-16QAM	M+M	Outer_Full	NV	-10	-5.680000	-0.008347	PASS
DC_4A_ n71A	15	5+10	DFT-16QAM	M+M	Outer_Full	NV	0	-6.560000	-0.009640	PASS
DC_4A_ n71A	15	5+10	DFT-16QAM	M+M	Outer_Full	NV	10	-6.930000	-0.010184	PASS
DC_4A_ n71A	15	5+10	DFT-16QAM	M+M	Outer_Full	NV	20	-6.500000	-0.009552	PASS
DC_4A_ n71A	15	5+10	DFT-16QAM	M+M	Outer_Full	NV	30	-7.800000	-0.011462	PASS
DC_4A_ n71A	15	5+10	DFT-16QAM	M+M	Outer_Full	NV	40	-6.000000	-0.008817	PASS
DC_4A_ n71A	15	5+10	DFT-16QAM	M+M	Outer_Full	NV	50	-6.280000	-0.009229	PASS
DC_4A_ n71A	15	5+10	DFT-16QAM	M+H	Outer_Full	NV	-30	-2.710000	-0.003911	PASS
DC_4A_ n71A	15	5+10	DFT-16QAM	M+H	Outer_Full	NV	-20	-3.280000	-0.004733	PASS
DC_4A_ n71A	15	5+10	DFT-16QAM	M+H	Outer_Full	NV	-10	-3.230000	-0.004661	PASS
DC_4A_ n71A	15	5+10	DFT-16QAM	M+H	Outer_Full	NV	0	-3.750000	-0.005411	PASS
DC_4A_ n71A	15	5+10	DFT-16QAM	M+H	Outer_Full	NV	10	-2.350000	-0.003391	PASS
DC_4A_ n71A	15	5+10	DFT-16QAM	M+H	Outer_Full	NV	20	-2.700000	-0.003896	PASS

n71A										
DC_4A_ n71A	15	5+10	DFT-16QAM	M+H	Outer_Full	NV	30	-4.099999	-0.005916	PASS
DC_4A_ n71A	15	5+10	DFT-16QAM	M+H	Outer_Full	NV	40	-3.160000	-0.004560	PASS
DC_4A_ n71A	15	5+10	DFT-16QAM	M+H	Outer_Full	NV	50	-3.020000	-0.004358	PASS
DC_4A_ n71A	15	5+15	DFT-QPSK	M+L	Outer_Full	NV	-30	-5.640000	-0.008412	PASS
DC_4A_ n71A	15	5+15	DFT-QPSK	M+L	Outer_Full	NV	-20	-4.490000	-0.006696	PASS
DC_4A_ n71A	15	5+15	DFT-QPSK	M+L	Outer_Full	NV	-10	-5.210000	-0.007770	PASS
DC_4A_ n71A	15	5+15	DFT-QPSK	M+L	Outer_Full	NV	0	-6.080000	-0.009068	PASS
DC_4A_ n71A	15	5+15	DFT-QPSK	M+L	Outer_Full	NV	10	-4.280000	-0.006383	PASS
DC_4A_ n71A	15	5+15	DFT-QPSK	M+L	Outer_Full	NV	20	-6.550000	-0.009769	PASS
DC_4A_ n71A	15	5+15	DFT-QPSK	M+L	Outer_Full	NV	30	-5.160000	-0.007696	PASS
DC_4A_ n71A	15	5+15	DFT-QPSK	M+L	Outer_Full	NV	40	-4.690000	-0.006995	PASS
DC_4A_ n71A	15	5+15	DFT-QPSK	M+L	Outer_Full	NV	50	-5.730000	-0.008546	PASS
DC_4A_ n71A	15	5+15	DFT-16QAM	M+L	Outer_Full	NV	-30	-4.360000	-0.006503	PASS
DC_4A_ n71A	15	5+15	DFT-16QAM	M+L	Outer_Full	NV	-20	-4.090000	-0.006100	PASS
DC_4A_ n71A	15	5+15	DFT-16QAM	M+L	Outer_Full	NV	-10	-5.550000	-0.008277	PASS
DC_4A_ n71A	15	5+15	DFT-16QAM	M+L	Outer_Full	NV	0	-4.250000	-0.006339	PASS
DC_4A_ n71A	15	5+15	DFT-16QAM	M+L	Outer_Full	NV	10	-4.680000	-0.006980	PASS
DC_4A_ n71A	15	5+15	DFT-16QAM	M+L	Outer_Full	NV	20	-4.280000	-0.006383	PASS
DC_4A_ n71A	15	5+15	DFT-16QAM	M+L	Outer_Full	NV	30	-5.440000	-0.008113	PASS
DC_4A_ n71A	15	5+15	DFT-16QAM	M+L	Outer_Full	NV	40	-3.020000	-0.004504	PASS
DC_4A_ n71A	15	5+15	DFT-16QAM	M+L	Outer_Full	NV	50	-5.220000	-0.007785	PASS

n71A										
DC_4A_ n71A	15	5+15	DFT-16QAM	M+M	Outer_Full	NV	-30	-8.940000	-0.013137	PASS
DC_4A_ n71A	15	5+15	DFT-16QAM	M+M	Outer_Full	NV	-20	-8.090000	-0.011888	PASS
DC_4A_ n71A	15	5+15	DFT-16QAM	M+M	Outer_Full	NV	-10	-7.490000	-0.011007	PASS
DC_4A_ n71A	15	5+15	DFT-16QAM	M+M	Outer_Full	NV	0	-7.480000	-0.010992	PASS
DC_4A_ n71A	15	5+15	DFT-16QAM	M+M	Outer_Full	NV	10	-8.860000	-0.013020	PASS
DC_4A_ n71A	15	5+15	DFT-16QAM	M+M	Outer_Full	NV	20	-7.450000	-0.010948	PASS
DC_4A_ n71A	15	5+15	DFT-16QAM	M+M	Outer_Full	NV	30	-9.100000	-0.013373	PASS
DC_4A_ n71A	15	5+15	DFT-16QAM	M+M	Outer_Full	NV	40	-7.570000	-0.011124	PASS
DC_4A_ n71A	15	5+15	DFT-16QAM	M+M	Outer_Full	NV	50	-6.950000	-0.010213	PASS
DC_4A_ n71A	15	5+15	DFT-QPSK	M+H	Outer_Full	NV	-30	-3.290000	-0.004765	PASS
DC_4A_ n71A	15	5+15	DFT-QPSK	M+H	Outer_Full	NV	-20	-2.840000	-0.004113	PASS
DC_4A_ n71A	15	5+15	DFT-QPSK	M+H	Outer_Full	NV	-10	-2.550000	-0.003693	PASS
DC_4A_ n71A	15	5+15	DFT-QPSK	M+H	Outer_Full	NV	0	-4.070000	-0.005894	PASS
DC_4A_ n71A	15	5+15	DFT-QPSK	M+H	Outer_Full	NV	10	-3.530000	-0.005112	PASS
DC_4A_ n71A	15	5+15	DFT-QPSK	M+H	Outer_Full	NV	20	-2.410000	-0.003490	PASS
DC_4A_ n71A	15	5+15	DFT-QPSK	M+H	Outer_Full	NV	30	-3.650000	-0.005286	PASS
DC_4A_ n71A	15	5+15	DFT-QPSK	M+H	Outer_Full	NV	40	-4.380000	-0.006343	PASS
DC_4A_ n71A	15	5+15	DFT-QPSK	M+H	Outer_Full	NV	50	-4.130000	-0.005981	PASS
DC_4A_ n71A	15	5+15	DFT-16QAM	M+H	Outer_Full	NV	-30	-4.510000	-0.006531	PASS
DC_4A_ n71A	15	5+15	DFT-16QAM	M+H	Outer_Full	NV	-20	-2.370000	-0.003432	PASS
DC_4A_ n71A	15	5+15	DFT-16QAM	M+H	Outer_Full	NV	-10	-4.770000	-0.006908	PASS

n71A										
DC_4A_ n71A	15	5+15	DFT-16QAM	M+H	Outer_Full	NV	0	-4.740000	-0.006865	PASS
DC_4A_ n71A	15	5+15	DFT-16QAM	M+H	Outer_Full	NV	10	-4.970000	-0.007198	PASS
DC_4A_ n71A	15	5+15	DFT-16QAM	M+H	Outer_Full	NV	20	-4.170000	-0.006039	PASS
DC_4A_ n71A	15	5+15	DFT-16QAM	M+H	Outer_Full	NV	30	-2.630000	-0.003809	PASS
DC_4A_ n71A	15	5+15	DFT-16QAM	M+H	Outer_Full	NV	40	-5.370000	-0.007777	PASS
DC_4A_ n71A	15	5+15	DFT-16QAM	M+H	Outer_Full	NV	50	-3.250000	-0.004707	PASS
DC_4A_ n71A	15	5+20	DFT-QPSK	M+L	Outer_Full	NV	-30	-10.230000	-0.015201	PASS
DC_4A_ n71A	15	5+20	DFT-QPSK	M+L	Outer_Full	NV	-20	-9.930000	-0.014755	PASS
DC_4A_ n71A	15	5+20	DFT-QPSK	M+L	Outer_Full	NV	-10	-9.620000	-0.014294	PASS
DC_4A_ n71A	15	5+20	DFT-QPSK	M+L	Outer_Full	NV	0	-9.020000	-0.013403	PASS
DC_4A_ n71A	15	5+20	DFT-QPSK	M+L	Outer_Full	NV	10	-9.690000	-0.014398	PASS
DC_4A_ n71A	15	5+20	DFT-QPSK	M+L	Outer_Full	NV	20	-6.570000	-0.009762	PASS
DC_4A_ n71A	15	5+20	DFT-QPSK	M+L	Outer_Full	NV	30	-10.580000	-0.015720	PASS
DC_4A_ n71A	15	5+20	DFT-QPSK	M+L	Outer_Full	NV	40	-8.480000	-0.012600	PASS
DC_4A_ n71A	15	5+20	DFT-QPSK	M+L	Outer_Full	NV	50	-9.300000	-0.013819	PASS
DC_4A_ n71A	15	5+20	DFT-16QAM	M+L	Outer_Full	NV	-30	-9.140000	-0.013581	PASS
DC_4A_ n71A	15	5+20	DFT-16QAM	M+L	Outer_Full	NV	-20	-8.800000	-0.013076	PASS
DC_4A_ n71A	15	5+20	DFT-16QAM	M+L	Outer_Full	NV	-10	-9.580000	-0.014235	PASS
DC_4A_ n71A	15	5+20	DFT-16QAM	M+L	Outer_Full	NV	0	-9.370000	-0.013923	PASS
DC_4A_ n71A	15	5+20	DFT-16QAM	M+L	Outer_Full	NV	10	-9.300000	-0.013819	PASS
DC_4A_ n71A	15	5+20	DFT-16QAM	M+L	Outer_Full	NV	20	-8.970000	-0.013328	PASS

n71A										
DC_4A_ n71A	15	5+20	DFT-16QAM	M+L	Outer_Full	NV	30	-7.180000	-0.010669	PASS
DC_4A_ n71A	15	5+20	DFT-16QAM	M+L	Outer_Full	NV	40	-8.890000	-0.013210	PASS
DC_4A_ n71A	15	5+20	DFT-16QAM	M+L	Outer_Full	NV	50	-9.670000	-0.014368	PASS
DC_4A_ n71A	15	5+20	DFT-QPSK	M+M	Outer_Full	NV	-30	-10.410000	-0.015298	PASS
DC_4A_ n71A	15	5+20	DFT-QPSK	M+M	Outer_Full	NV	-20	-9.780000	-0.014372	PASS
DC_4A_ n71A	15	5+20	DFT-QPSK	M+M	Outer_Full	NV	-10	-7.370000	-0.010830	PASS
DC_4A_ n71A	15	5+20	DFT-QPSK	M+M	Outer_Full	NV	0	-9.120000	-0.013402	PASS
DC_4A_ n71A	15	5+20	DFT-QPSK	M+M	Outer_Full	NV	10	-10.250000	-0.015062	PASS
DC_4A_ n71A	15	5+20	DFT-QPSK	M+M	Outer_Full	NV	20	-9.450000	-0.013887	PASS
DC_4A_ n71A	15	5+20	DFT-QPSK	M+M	Outer_Full	NV	30	-8.840000	-0.012990	PASS
DC_4A_ n71A	15	5+20	DFT-QPSK	M+M	Outer_Full	NV	40	-9.930000	-0.014592	PASS
DC_4A_ n71A	15	5+20	DFT-QPSK	M+M	Outer_Full	NV	50	-9.430000	-0.013857	PASS
DC_4A_ n71A	15	5+20	DFT-16QAM	M+M	Outer_Full	NV	-30	-10.160000	-0.014930	PASS
DC_4A_ n71A	15	5+20	DFT-16QAM	M+M	Outer_Full	NV	-20	-10.150000	-0.014916	PASS
DC_4A_ n71A	15	5+20	DFT-16QAM	M+M	Outer_Full	NV	-10	-10.820000	-0.015900	PASS
DC_4A_ n71A	15	5+20	DFT-16QAM	M+M	Outer_Full	NV	0	-11.090000	-0.016296	PASS
DC_4A_ n71A	15	5+20	DFT-16QAM	M+M	Outer_Full	NV	10	-11.520000	-0.016929	PASS
DC_4A_ n71A	15	5+20	DFT-16QAM	M+M	Outer_Full	NV	20	-10.430000	-0.015327	PASS
DC_4A_ n71A	15	5+20	DFT-16QAM	M+M	Outer_Full	NV	30	-11.320000	-0.016635	PASS
DC_4A_ n71A	15	5+20	DFT-16QAM	M+M	Outer_Full	NV	40	-9.620000	-0.014137	PASS
DC_4A_ n71A	15	5+20	DFT-16QAM	M+M	Outer_Full	NV	50	-10.700000	-0.015723	PASS

n71A										
DC_4A_ n71A	15	5+20	DFT-QPSK	M+H	Outer_Full	NV	-30	-11.560000	-0.016802	PASS
DC_4A_ n71A	15	5+20	DFT-QPSK	M+H	Outer_Full	NV	-20	-9.730000	-0.014142	PASS
DC_4A_ n71A	15	5+20	DFT-QPSK	M+H	Outer_Full	NV	-10	-8.900000	-0.012936	PASS
DC_4A_ n71A	15	5+20	DFT-QPSK	M+H	Outer_Full	NV	0	-9.620000	-0.013983	PASS
DC_4A_ n71A	15	5+20	DFT-QPSK	M+H	Outer_Full	NV	10	-8.520000	-0.012384	PASS
DC_4A_ n71A	15	5+20	DFT-QPSK	M+H	Outer_Full	NV	20	-11.180000	-0.016250	PASS
DC_4A_ n71A	15	5+20	DFT-QPSK	M+H	Outer_Full	NV	30	-11.120000	-0.016163	PASS
DC_4A_ n71A	15	5+20	DFT-QPSK	M+H	Outer_Full	NV	40	-9.730000	-0.014142	PASS
DC_4A_ n71A	15	5+20	DFT-QPSK	M+H	Outer_Full	NV	50	-9.700000	-0.014099	PASS
DC_4A_ n71A	15	5+20	DFT-16QAM	M+H	Outer_Full	NV	-30	-9.540000	-0.013866	PASS
DC_4A_ n71A	15	5+20	DFT-16QAM	M+H	Outer_Full	NV	-20	-9.640000	-0.014012	PASS
DC_4A_ n71A	15	5+20	DFT-16QAM	M+H	Outer_Full	NV	-10	-10.400000	-0.015116	PASS
DC_4A_ n71A	15	5+20	DFT-16QAM	M+H	Outer_Full	NV	0	-10.030000	-0.014578	PASS
DC_4A_ n71A	15	5+20	DFT-16QAM	M+H	Outer_Full	NV	10	-9.770000	-0.014201	PASS
DC_4A_ n71A	15	5+20	DFT-16QAM	M+H	Outer_Full	NV	20	-9.570000	-0.013910	PASS
DC_4A_ n71A	15	5+20	DFT-16QAM	M+H	Outer_Full	NV	30	-9.450000	-0.013735	PASS
DC_4A_ n71A	15	5+20	DFT-16QAM	M+H	Outer_Full	NV	40	-9.790000	-0.014230	PASS
DC_4A_ n71A	15	5+20	DFT-16QAM	M+H	Outer_Full	NV	50	-10.220000	-0.014855	PASS