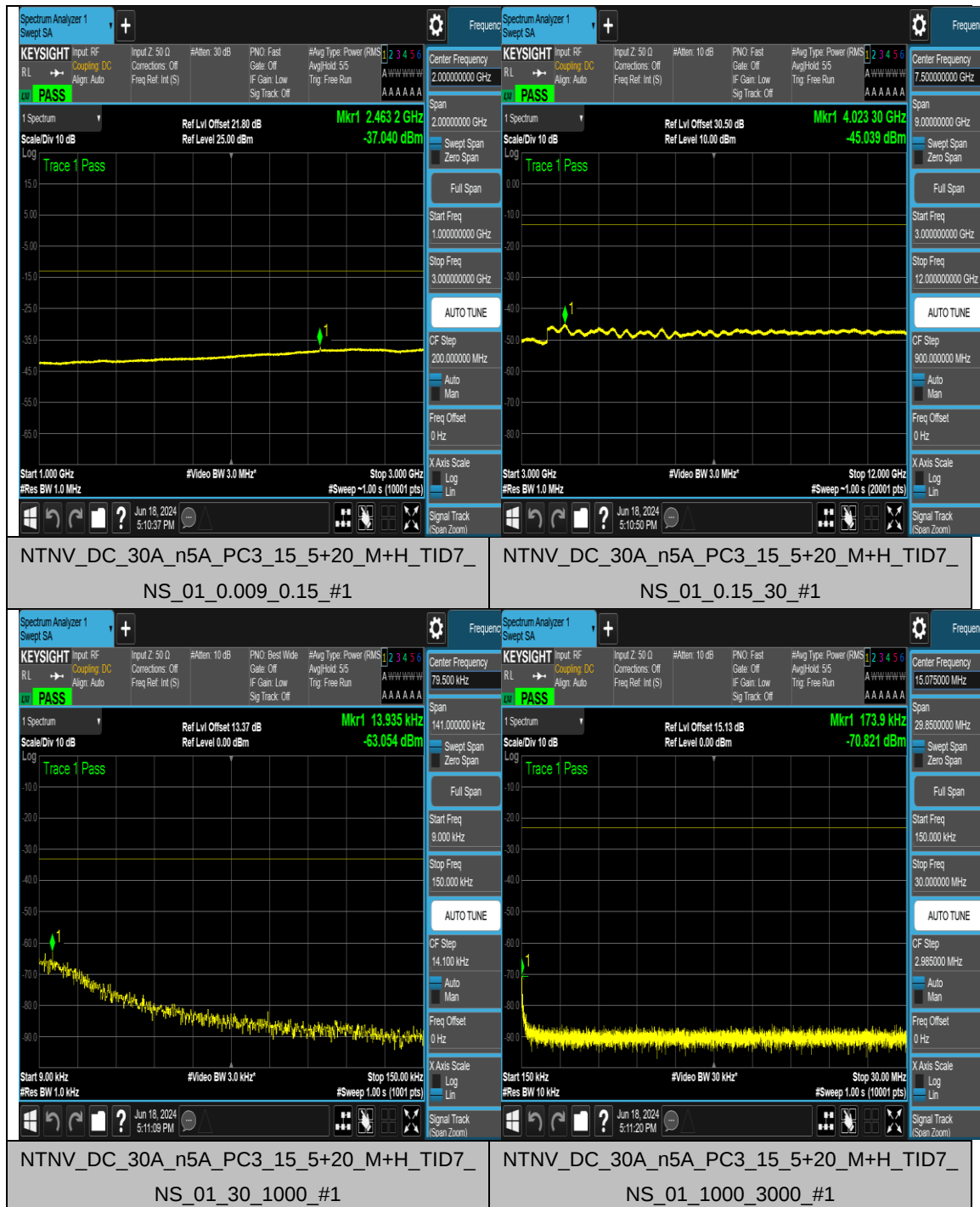








Appendix F: Frequency Stability for NSA

Test Result

Frequency Error VS. Voltage

Voltage										
Band	SCS	Bandwidth	Modulation	Channel	RB Config	Voltage	Temperature	Deviation(Hz)	Deviation (ppm)	Verdict
DC_30A_n5A	15	5+5	DFT-QPSK	M+L	Outer_Full	VL	NT	-3.340000	-0.004041	PASS
DC_30A_n5A	15	5+5	DFT-QPSK	M+L	Outer_Full	VN	NT	-0.960000	-0.001162	PASS
DC_30A_n5A	15	5+5	DFT-QPSK	M+L	Outer_Full	VH	NT	-3.030000	-0.003666	PASS
DC_30A_n5A	15	5+5	DFT-16QAM	M+L	Outer_Full	VL	NT	-3.600000	-0.004356	PASS
DC_30A_n5A	15	5+5	DFT-16QAM	M+L	Outer_Full	VN	NT	-3.000000	-0.003630	PASS
DC_30A_n5A	15	5+5	DFT-16QAM	M+L	Outer_Full	VH	NT	-2.740000	-0.003315	PASS
DC_30A_n5A	15	5+5	DFT-QPSK	M+M	Outer_Full	VL	NT	0.070000	0.000084	PASS
DC_30A_n5A	15	5+5	DFT-QPSK	M+M	Outer_Full	VN	NT	0.860000	0.001028	PASS
DC_30A_n5A	15	5+5	DFT-QPSK	M+M	Outer_Full	VH	NT	-0.450000	-0.000538	PASS
DC_30A_n5A	15	5+5	DFT-16QAM	M+M	Outer_Full	VL	NT	1.470000	0.001757	PASS
DC_30A_n5A	15	5+5	DFT-16QAM	M+M	Outer_Full	VN	NT	-0.110000	-0.000132	PASS
DC_30A_n5A	15	5+5	DFT-16QAM	M+M	Outer_Full	VH	NT	1.080000	0.001291	PASS
DC_30A_n5A	15	5+5	DFT-QPSK	M+H	Outer_Full	VL	NT	1.370000	0.001618	PASS
DC_30A_n5A	15	5+5	DFT-QPSK	M+H	Outer_Full	VN	NT	1.540000	0.001819	PASS
DC_30A_n5A	15	5+5	DFT-QPSK	M+H	Outer_Full	VH	NT	1.120000	0.001323	PASS
DC_30A_n5A	15	5+5	DFT-16QAM	M+H	Outer_Full	VL	NT	2.380000	0.002812	PASS
DC_30A_n5A	15	5+5	DFT-16QAM	M+H	Outer_Full	VN	NT	-0.990000	-0.001170	PASS

DC_30A_n5A	15	5+5	DFT-16QAM	M+H	Outer_Full	VH	NT	-1.980000	-0.002339	PASS
DC_30A_n5A	15	5+10	DFT-QPSK	M+L	Outer_Full	VL	NT	-1.810000	-0.002183	PASS
DC_30A_n5A	15	5+10	DFT-QPSK	M+L	Outer_Full	VN	NT	-2.280000	-0.002750	PASS
DC_30A_n5A	15	5+10	DFT-QPSK	M+L	Outer_Full	VH	NT	-2.080000	-0.002509	PASS
DC_30A_n5A	15	5+10	DFT-16QAM	M+L	Outer_Full	VL	NT	-1.160000	-0.001399	PASS
DC_30A_n5A	15	5+10	DFT-16QAM	M+L	Outer_Full	VN	NT	-2.069999	-0.002497	PASS
DC_30A_n5A	15	5+10	DFT-16QAM	M+L	Outer_Full	VH	NT	-0.270000	-0.000326	PASS
DC_30A_n5A	15	5+10	DFT-QPSK	M+M	Outer_Full	VL	NT	-1.160000	-0.001387	PASS
DC_30A_n5A	15	5+10	DFT-QPSK	M+M	Outer_Full	VN	NT	-4.360000	-0.005212	PASS
DC_30A_n5A	15	5+10	DFT-QPSK	M+M	Outer_Full	VH	NT	-1.730000	-0.002068	PASS
DC_30A_n5A	15	5+10	DFT-16QAM	M+M	Outer_Full	VL	NT	-1.740000	-0.002080	PASS
DC_30A_n5A	15	5+10	DFT-16QAM	M+M	Outer_Full	VN	NT	-1.920000	-0.002295	PASS
DC_30A_n5A	15	5+10	DFT-16QAM	M+M	Outer_Full	VH	NT	-0.150000	-0.000179	PASS
DC_30A_n5A	15	5+10	DFT-QPSK	M+H	Outer_Full	VL	NT	-2.310000	-0.002737	PASS
DC_30A_n5A	15	5+10	DFT-QPSK	M+H	Outer_Full	VN	NT	-0.660000	-0.000782	PASS
DC_30A_n5A	15	5+10	DFT-QPSK	M+H	Outer_Full	VH	NT	-2.570000	-0.003045	PASS
DC_30A_n5A	15	5+10	DFT-16QAM	M+H	Outer_Full	VL	NT	-1.590000	-0.001884	PASS
DC_30A_n5A	15	5+10	DFT-16QAM	M+H	Outer_Full	VN	NT	-1.980000	-0.002346	PASS
DC_30A_n5A	15	5+10	DFT-16QAM	M+H	Outer_Full	VH	NT	-1.610000	-0.001908	PASS
DC_30A_n5A	15	5+15	DFT-QPSK	M+L	Outer_Full	VL	NT	-1.730000	-0.002081	PASS
DC_30A_n5A	15	5+15	DFT-QPSK	M+L	Outer_Full	VN	NT	-4.970000	-0.005977	PASS

DC_30A_n5A	15	5+15	DFT-QPSK	M+L	Outer_Full	VH	NT	-2.400000	-0.002886	PASS
DC_30A_n5A	15	5+15	DFT-16QAM	M+L	Outer_Full	VL	NT	-5.560000	-0.006687	PASS
DC_30A_n5A	15	5+15	DFT-16QAM	M+L	Outer_Full	VN	NT	-5.430000	-0.006530	PASS
DC_30A_n5A	15	5+15	DFT-16QAM	M+L	Outer_Full	VH	NT	-4.530000	-0.005448	PASS
DC_30A_n5A	15	5+15	DFT-QPSK	M+M	Outer_Full	VL	NT	-2.400000	-0.002869	PASS
DC_30A_n5A	15	5+15	DFT-QPSK	M+M	Outer_Full	VN	NT	-3.500000	-0.004184	PASS
DC_30A_n5A	15	5+15	DFT-QPSK	M+M	Outer_Full	VH	NT	-0.920000	-0.001100	PASS
DC_30A_n5A	15	5+15	DFT-16QAM	M+M	Outer_Full	VL	NT	-3.590000	-0.004292	PASS
DC_30A_n5A	15	5+15	DFT-16QAM	M+M	Outer_Full	VN	NT	-3.410000	-0.004077	PASS
DC_30A_n5A	15	5+15	DFT-16QAM	M+M	Outer_Full	VH	NT	-2.260000	-0.002702	PASS
DC_30A_n5A	15	5+15	DFT-QPSK	M+H	Outer_Full	VL	NT	-7.650000	-0.009091	PASS
DC_30A_n5A	15	5+15	DFT-QPSK	M+H	Outer_Full	VN	NT	-7.520000	-0.008936	PASS
DC_30A_n5A	15	5+15	DFT-QPSK	M+H	Outer_Full	VH	NT	-6.060000	-0.007201	PASS
DC_30A_n5A	15	5+15	DFT-16QAM	M+H	Outer_Full	VL	NT	-7.700000	-0.009150	PASS
DC_30A_n5A	15	5+15	DFT-16QAM	M+H	Outer_Full	VN	NT	-7.430000	-0.008829	PASS
DC_30A_n5A	15	5+15	DFT-16QAM	M+H	Outer_Full	VH	NT	-7.430000	-0.008829	PASS
DC_30A_n5A	15	5+20	DFT-QPSK	M+L	Outer_Full	VL	NT	-7.170000	-0.008597	PASS
DC_30A_n5A	15	5+20	DFT-QPSK	M+L	Outer_Full	VN	NT	-5.420000	-0.006499	PASS
DC_30A_n5A	15	5+20	DFT-QPSK	M+L	Outer_Full	VH	NT	-9.770000	-0.011715	PASS
DC_30A_n5A	15	5+20	DFT-16QAM	M+L	Outer_Full	VL	NT	-6.280000	-0.007530	PASS
DC_30A_n5A	15	5+20	DFT-16QAM	M+L	Outer_Full	VN	NT	-8.359999	-0.010024	PASS

DC_30A_n5A	15	5+20	DFT-16QAM	M+L	Outer_Full	VH	NT	-7.140000	-0.008561	PASS
DC_30A_n5A	15	5+20	DFT-QPSK	M+M	Outer_Full	VL	NT	-6.010000	-0.007185	PASS
DC_30A_n5A	15	5+20	DFT-QPSK	M+M	Outer_Full	VN	NT	-2.870000	-0.003431	PASS
DC_30A_n5A	15	5+20	DFT-QPSK	M+M	Outer_Full	VH	NT	-5.120000	-0.006121	PASS
DC_30A_n5A	15	5+20	DFT-16QAM	M+M	Outer_Full	VL	NT	-4.940000	-0.005906	PASS
DC_30A_n5A	15	5+20	DFT-16QAM	M+M	Outer_Full	VN	NT	-4.139999	-0.004949	PASS
DC_30A_n5A	15	5+20	DFT-16QAM	M+M	Outer_Full	VH	NT	-5.260000	-0.006288	PASS
DC_30A_n5A	15	5+20	DFT-16QAM	M+H	Outer_Full	VL	NT	-7.190000	-0.008570	PASS
DC_30A_n5A	15	5+20	DFT-16QAM	M+H	Outer_Full	VN	NT	-7.910000	-0.009428	PASS
DC_30A_n5A	15	5+20	DFT-16QAM	M+H	Outer_Full	VH	NT	-7.760000	-0.009249	PASS

Frequency Error VS. Temperature

Voltage										
Band	SCS	Bandwidth	Modulation	Channel	RB Config	Voltage	Temperature	Deviation(Hz)	Deviation (ppm)	Verdict
DC_30A_n5A	15	5+5	DFT-QPSK	M+L	Outer_Full	NV	-30	-2.640000	-0.003194	PASS
DC_30A_n5A	15	5+5	DFT-QPSK	M+L	Outer_Full	NV	-20	-2.550000	-0.003085	PASS
DC_30A_n5A	15	5+5	DFT-QPSK	M+L	Outer_Full	NV	-10	-2.290000	-0.002771	PASS
DC_30A_n5A	15	5+5	DFT-QPSK	M+L	Outer_Full	NV	0	-3.420000	-0.004138	PASS
DC_30A_n5A	15	5+5	DFT-QPSK	M+L	Outer_Full	NV	10	-2.740000	-0.003315	PASS
DC_30A_n5A	15	5+5	DFT-QPSK	M+L	Outer_Full	NV	20	-3.370000	-0.004077	PASS
DC_30A_n5A	15	5+5	DFT-QPSK	M+L	Outer_Full	NV	30	-2.870000	-0.003472	PASS
DC_30A_n5A	15	5+5	DFT-QPSK	M+L	Outer_Full	NV	40	-4.380000	-0.005299	PASS
DC_30A	15	5+5	DFT-QPSK	M+L	Outer_Full	NV	50	-1.970000	-0.002384	PASS

_n5A										
DC_30A _n5A	15	5+5	DFT-16QAM	M+L	Outer_Full	NV	-30	-3.330000	-0.004028	PASS
DC_30A _n5A	15	5+5	DFT-16QAM	M+L	Outer_Full	NV	-20	-3.400000	-0.004114	PASS
DC_30A _n5A	15	5+5	DFT-16QAM	M+L	Outer_Full	NV	-10	-2.530000	-0.003061	PASS
DC_30A _n5A	15	5+5	DFT-16QAM	M+L	Outer_Full	NV	0	-2.009999	-0.002432	PASS
DC_30A _n5A	15	5+5	DFT-16QAM	M+L	Outer_Full	NV	10	-2.180000	-0.002638	PASS
DC_30A _n5A	15	5+5	DFT-16QAM	M+L	Outer_Full	NV	20	-2.089999	-0.002529	PASS
DC_30A _n5A	15	5+5	DFT-16QAM	M+L	Outer_Full	NV	30	-3.160000	-0.003823	PASS
DC_30A _n5A	15	5+5	DFT-16QAM	M+L	Outer_Full	NV	40	-2.860000	-0.003460	PASS
DC_30A _n5A	15	5+5	DFT-16QAM	M+L	Outer_Full	NV	50	-3.310000	-0.004005	PASS
DC_30A _n5A	15	5+5	DFT-QPSK	M+M	Outer_Full	NV	-30	0.400000	0.000478	PASS
DC_30A _n5A	15	5+5	DFT-QPSK	M+M	Outer_Full	NV	-20	0.970000	0.001160	PASS
DC_30A _n5A	15	5+5	DFT-QPSK	M+M	Outer_Full	NV	-10	-0.270000	-0.000323	PASS
DC_30A _n5A	15	5+5	DFT-QPSK	M+M	Outer_Full	NV	0	-0.110000	-0.000132	PASS
DC_30A _n5A	15	5+5	DFT-QPSK	M+M	Outer_Full	NV	10	0.420000	0.000501	PASS
DC_30A _n5A	15	5+5	DFT-QPSK	M+M	Outer_Full	NV	20	-0.680000	-0.000813	PASS
DC_30A _n5A	15	5+5	DFT-QPSK	M+M	Outer_Full	NV	30	2.570000	0.003072	PASS
DC_30A _n5A	15	5+5	DFT-QPSK	M+M	Outer_Full	NV	40	2.400000	0.002869	PASS
DC_30A _n5A	15	5+5	DFT-QPSK	M+M	Outer_Full	NV	50	1.380000	0.001650	PASS
DC_30A _n5A	15	5+5	DFT-16QAM	M+M	Outer_Full	NV	-30	-1.540000	-0.001841	PASS
DC_30A _n5A	15	5+5	DFT-16QAM	M+M	Outer_Full	NV	-20	0.350000	0.000418	PASS
DC_30A	15	5+5	DFT-16QAM	M+M	Outer_Full	NV	-10	-0.670000	-0.000801	PASS

_n5A										
DC_30A _n5A	15	5+5	DFT-16QAM	M+M	Outer_Full	NV	0	0.880000	0.001052	PASS
DC_30A _n5A	15	5+5	DFT-16QAM	M+M	Outer_Full	NV	10	-0.410000	-0.000490	PASS
DC_30A _n5A	15	5+5	DFT-16QAM	M+M	Outer_Full	NV	20	0.030000	0.000036	PASS
DC_30A _n5A	15	5+5	DFT-16QAM	M+M	Outer_Full	NV	30	-1.400000	-0.001674	PASS
DC_30A _n5A	15	5+5	DFT-16QAM	M+M	Outer_Full	NV	40	2.960000	0.003539	PASS
DC_30A _n5A	15	5+5	DFT-16QAM	M+M	Outer_Full	NV	50	0.440000	0.000526	PASS
DC_30A _n5A	15	5+5	DFT-QPSK	M+H	Outer_Full	NV	-30	-0.370000	-0.000437	PASS
DC_30A _n5A	15	5+5	DFT-QPSK	M+H	Outer_Full	NV	-20	-0.570000	-0.000673	PASS
DC_30A _n5A	15	5+5	DFT-QPSK	M+H	Outer_Full	NV	-10	0.000000	0.000000	PASS
DC_30A _n5A	15	5+5	DFT-QPSK	M+H	Outer_Full	NV	0	-0.210000	-0.000248	PASS
DC_30A _n5A	15	5+5	DFT-QPSK	M+H	Outer_Full	NV	10	0.040000	0.000047	PASS
DC_30A _n5A	15	5+5	DFT-QPSK	M+H	Outer_Full	NV	20	-1.640000	-0.001937	PASS
DC_30A _n5A	15	5+5	DFT-QPSK	M+H	Outer_Full	NV	30	1.640000	0.001937	PASS
DC_30A _n5A	15	5+5	DFT-QPSK	M+H	Outer_Full	NV	40	0.670000	0.000791	PASS
DC_30A _n5A	15	5+5	DFT-QPSK	M+H	Outer_Full	NV	50	0.800000	0.000945	PASS
DC_30A _n5A	15	5+5	DFT-16QAM	M+H	Outer_Full	NV	-30	0.270000	0.000319	PASS
DC_30A _n5A	15	5+5	DFT-16QAM	M+H	Outer_Full	NV	-20	-1.010000	-0.001193	PASS
DC_30A _n5A	15	5+5	DFT-16QAM	M+H	Outer_Full	NV	-10	-0.810000	-0.000957	PASS
DC_30A _n5A	15	5+5	DFT-16QAM	M+H	Outer_Full	NV	0	-0.280000	-0.000331	PASS
DC_30A _n5A	15	5+5	DFT-16QAM	M+H	Outer_Full	NV	10	1.670000	0.001973	PASS
DC_30A	15	5+5	DFT-16QAM	M+H	Outer_Full	NV	20	0.770000	0.000910	PASS

_n5A										
DC_30A _n5A	15	5+5	DFT-16QAM	M+H	Outer_Full	NV	30	-0.710000	-0.000839	PASS
DC_30A _n5A	15	5+5	DFT-16QAM	M+H	Outer_Full	NV	40	0.940000	0.001110	PASS
DC_30A _n5A	15	5+5	DFT-16QAM	M+H	Outer_Full	NV	50	-0.700000	-0.000827	PASS
DC_30A _n5A	15	5+10	DFT-QPSK	M+L	Outer_Full	NV	-30	-1.030000	-0.001242	PASS
DC_30A _n5A	15	5+10	DFT-QPSK	M+L	Outer_Full	NV	-20	-2.300000	-0.002774	PASS
DC_30A _n5A	15	5+10	DFT-QPSK	M+L	Outer_Full	NV	-10	-3.690000	-0.004451	PASS
DC_30A _n5A	15	5+10	DFT-QPSK	M+L	Outer_Full	NV	0	-0.850000	-0.001025	PASS
DC_30A _n5A	15	5+10	DFT-QPSK	M+L	Outer_Full	NV	10	-2.210000	-0.002666	PASS
DC_30A _n5A	15	5+10	DFT-QPSK	M+L	Outer_Full	NV	20	-1.760000	-0.002123	PASS
DC_30A _n5A	15	5+10	DFT-QPSK	M+L	Outer_Full	NV	30	-2.320000	-0.002799	PASS
DC_30A _n5A	15	5+10	DFT-QPSK	M+L	Outer_Full	NV	40	-3.070000	-0.003703	PASS
DC_30A _n5A	15	5+10	DFT-QPSK	M+L	Outer_Full	NV	50	-1.790000	-0.002159	PASS
DC_30A _n5A	15	5+10	DFT-16QAM	M+L	Outer_Full	NV	-30	-3.380000	-0.004077	PASS
DC_30A _n5A	15	5+10	DFT-16QAM	M+L	Outer_Full	NV	-20	-2.760000	-0.003329	PASS
DC_30A _n5A	15	5+10	DFT-16QAM	M+L	Outer_Full	NV	-10	-1.520000	-0.001834	PASS
DC_30A _n5A	15	5+10	DFT-16QAM	M+L	Outer_Full	NV	0	-1.460000	-0.001761	PASS
DC_30A _n5A	15	5+10	DFT-16QAM	M+L	Outer_Full	NV	10	-2.280000	-0.002750	PASS
DC_30A _n5A	15	5+10	DFT-16QAM	M+L	Outer_Full	NV	20	-0.720000	-0.000869	PASS
DC_30A _n5A	15	5+10	DFT-16QAM	M+L	Outer_Full	NV	30	-3.110000	-0.003752	PASS
DC_30A _n5A	15	5+10	DFT-16QAM	M+L	Outer_Full	NV	40	-1.870000	-0.002256	PASS
DC_30A	15	5+10	DFT-16QAM	M+L	Outer_Full	NV	50	-3.020000	-0.003643	PASS

_n5A										
DC_30A_n5A	15	5+10	DFT-QPSK	M+M	Outer_Full	NV	-30	-2.880000	-0.003443	PASS
DC_30A_n5A	15	5+10	DFT-QPSK	M+M	Outer_Full	NV	-20	-1.860000	-0.002224	PASS
DC_30A_n5A	15	5+10	DFT-QPSK	M+M	Outer_Full	NV	-10	-2.120000	-0.002534	PASS
DC_30A_n5A	15	5+10	DFT-QPSK	M+M	Outer_Full	NV	0	-2.060000	-0.002463	PASS
DC_30A_n5A	15	5+10	DFT-QPSK	M+M	Outer_Full	NV	10	-2.570000	-0.003072	PASS
DC_30A_n5A	15	5+10	DFT-QPSK	M+M	Outer_Full	NV	20	-1.810000	-0.002164	PASS
DC_30A_n5A	15	5+10	DFT-QPSK	M+M	Outer_Full	NV	30	-0.660000	-0.000789	PASS
DC_30A_n5A	15	5+10	DFT-QPSK	M+M	Outer_Full	NV	40	-0.630000	-0.000753	PASS
DC_30A_n5A	15	5+10	DFT-QPSK	M+M	Outer_Full	NV	50	-1.160000	-0.001387	PASS
DC_30A_n5A	15	5+10	DFT-16QAM	M+M	Outer_Full	NV	-30	-1.920000	-0.002295	PASS
DC_30A_n5A	15	5+10	DFT-16QAM	M+M	Outer_Full	NV	-20	-0.790000	-0.000944	PASS
DC_30A_n5A	15	5+10	DFT-16QAM	M+M	Outer_Full	NV	-10	-3.320000	-0.003969	PASS
DC_30A_n5A	15	5+10	DFT-16QAM	M+M	Outer_Full	NV	0	-3.730000	-0.004459	PASS
DC_30A_n5A	15	5+10	DFT-16QAM	M+M	Outer_Full	NV	10	-0.270000	-0.000323	PASS
DC_30A_n5A	15	5+10	DFT-16QAM	M+M	Outer_Full	NV	20	-3.520000	-0.004208	PASS
DC_30A_n5A	15	5+10	DFT-16QAM	M+M	Outer_Full	NV	30	-2.640000	-0.003156	PASS
DC_30A_n5A	15	5+10	DFT-16QAM	M+M	Outer_Full	NV	40	-1.420000	-0.001698	PASS
DC_30A_n5A	15	5+10	DFT-16QAM	M+M	Outer_Full	NV	50	-0.780000	-0.000932	PASS
DC_30A_n5A	15	5+10	DFT-QPSK	M+H	Outer_Full	NV	-30	-2.820000	-0.003341	PASS
DC_30A_n5A	15	5+10	DFT-QPSK	M+H	Outer_Full	NV	-20	-2.880000	-0.003412	PASS
DC_30A	15	5+10	DFT-QPSK	M+H	Outer_Full	NV	-10	-0.060000	-0.000071	PASS

_n5A										
DC_30A _n5A	15	5+10	DFT-QPSK	M+H	Outer_Full	NV	0	-2.580000	-0.003057	PASS
DC_30A _n5A	15	5+10	DFT-QPSK	M+H	Outer_Full	NV	10	-0.270000	-0.000320	PASS
DC_30A _n5A	15	5+10	DFT-QPSK	M+H	Outer_Full	NV	20	-0.930000	-0.001102	PASS
DC_30A _n5A	15	5+10	DFT-QPSK	M+H	Outer_Full	NV	30	-1.420000	-0.001682	PASS
DC_30A _n5A	15	5+10	DFT-QPSK	M+H	Outer_Full	NV	40	-0.840000	-0.000995	PASS
DC_30A _n5A	15	5+10	DFT-QPSK	M+H	Outer_Full	NV	50	-0.420000	-0.000497	PASS
DC_30A _n5A	15	5+10	DFT-16QAM	M+H	Outer_Full	NV	-30	-1.470000	-0.001742	PASS
DC_30A _n5A	15	5+10	DFT-16QAM	M+H	Outer_Full	NV	-20	-0.860000	-0.001018	PASS
DC_30A _n5A	15	5+10	DFT-16QAM	M+H	Outer_Full	NV	-10	-2.130000	-0.002524	PASS
DC_30A _n5A	15	5+10	DFT-16QAM	M+H	Outer_Full	NV	0	-0.870000	-0.001031	PASS
DC_30A _n5A	15	5+10	DFT-16QAM	M+H	Outer_Full	NV	10	-1.210000	-0.001434	PASS
DC_30A _n5A	15	5+10	DFT-16QAM	M+H	Outer_Full	NV	20	-2.670000	-0.003164	PASS
DC_30A _n5A	15	5+10	DFT-16QAM	M+H	Outer_Full	NV	30	-2.240000	-0.002654	PASS
DC_30A _n5A	15	5+10	DFT-16QAM	M+H	Outer_Full	NV	40	-2.200000	-0.002607	PASS
DC_30A _n5A	15	5+10	DFT-16QAM	M+H	Outer_Full	NV	50	-1.470000	-0.001742	PASS
DC_30A _n5A	15	5+15	DFT-QPSK	M+L	Outer_Full	NV	-30	-1.770000	-0.002129	PASS
DC_30A _n5A	15	5+15	DFT-QPSK	M+L	Outer_Full	NV	-20	-6.460000	-0.007769	PASS
DC_30A _n5A	15	5+15	DFT-QPSK	M+L	Outer_Full	NV	-10	-3.720000	-0.004474	PASS
DC_30A _n5A	15	5+15	DFT-QPSK	M+L	Outer_Full	NV	0	-3.820000	-0.004594	PASS
DC_30A _n5A	15	5+15	DFT-QPSK	M+L	Outer_Full	NV	10	-3.240000	-0.003897	PASS
DC_30A	15	5+15	DFT-QPSK	M+L	Outer_Full	NV	20	-1.830000	-0.002201	PASS

_n5A										
DC_30A_n5A	15	5+15	DFT-QPSK	M+L	Outer_Full	NV	30	-2.480000	-0.002983	PASS
DC_30A_n5A	15	5+15	DFT-QPSK	M+L	Outer_Full	NV	40	-4.070000	-0.004895	PASS
DC_30A_n5A	15	5+15	DFT-QPSK	M+L	Outer_Full	NV	50	-4.470000	-0.005376	PASS
DC_30A_n5A	15	5+15	DFT-16QAM	M+L	Outer_Full	NV	-30	-5.590000	-0.006723	PASS
DC_30A_n5A	15	5+15	DFT-16QAM	M+L	Outer_Full	NV	-20	-4.250000	-0.005111	PASS
DC_30A_n5A	15	5+15	DFT-16QAM	M+L	Outer_Full	NV	-10	-5.520000	-0.006639	PASS
DC_30A_n5A	15	5+15	DFT-16QAM	M+L	Outer_Full	NV	0	-5.820000	-0.006999	PASS
DC_30A_n5A	15	5+15	DFT-16QAM	M+L	Outer_Full	NV	10	-6.610000	-0.007948	PASS
DC_30A_n5A	15	5+15	DFT-16QAM	M+L	Outer_Full	NV	20	-5.700000	-0.006855	PASS
DC_30A_n5A	15	5+15	DFT-16QAM	M+L	Outer_Full	NV	30	-4.410000	-0.005304	PASS
DC_30A_n5A	15	5+15	DFT-16QAM	M+L	Outer_Full	NV	40	-3.020000	-0.003632	PASS
DC_30A_n5A	15	5+15	DFT-16QAM	M+L	Outer_Full	NV	50	-6.150000	-0.007396	PASS
DC_30A_n5A	15	5+15	DFT-QPSK	M+M	Outer_Full	NV	-30	-3.280000	-0.003921	PASS
DC_30A_n5A	15	5+15	DFT-QPSK	M+M	Outer_Full	NV	-20	-4.010000	-0.004794	PASS
DC_30A_n5A	15	5+15	DFT-QPSK	M+M	Outer_Full	NV	-10	-3.710000	-0.004435	PASS
DC_30A_n5A	15	5+15	DFT-QPSK	M+M	Outer_Full	NV	0	-1.430000	-0.001710	PASS
DC_30A_n5A	15	5+15	DFT-QPSK	M+M	Outer_Full	NV	10	-4.700000	-0.005619	PASS
DC_30A_n5A	15	5+15	DFT-QPSK	M+M	Outer_Full	NV	20	-2.410000	-0.002881	PASS
DC_30A_n5A	15	5+15	DFT-QPSK	M+M	Outer_Full	NV	30	-4.560000	-0.005451	PASS
DC_30A_n5A	15	5+15	DFT-QPSK	M+M	Outer_Full	NV	40	-2.220000	-0.002654	PASS
DC_30A	15	5+15	DFT-QPSK	M+M	Outer_Full	NV	50	-2.650000	-0.003168	PASS

_n5A										
DC_30A_n5A	15	5+15	DFT-16QAM	M+M	Outer_Full	NV	-30	-5.250000	-0.006276	PASS
DC_30A_n5A	15	5+15	DFT-16QAM	M+M	Outer_Full	NV	-20	-2.770000	-0.003311	PASS
DC_30A_n5A	15	5+15	DFT-16QAM	M+M	Outer_Full	NV	-10	-2.890000	-0.003455	PASS
DC_30A_n5A	15	5+15	DFT-16QAM	M+M	Outer_Full	NV	0	-1.830000	-0.002188	PASS
DC_30A_n5A	15	5+15	DFT-16QAM	M+M	Outer_Full	NV	10	-3.230000	-0.003861	PASS
DC_30A_n5A	15	5+15	DFT-16QAM	M+M	Outer_Full	NV	20	-4.560000	-0.005451	PASS
DC_30A_n5A	15	5+15	DFT-16QAM	M+M	Outer_Full	NV	30	-5.290000	-0.006324	PASS
DC_30A_n5A	15	5+15	DFT-16QAM	M+M	Outer_Full	NV	40	-3.100000	-0.003706	PASS
DC_30A_n5A	15	5+15	DFT-16QAM	M+M	Outer_Full	NV	50	-3.330000	-0.003981	PASS
DC_30A_n5A	15	5+15	DFT-QPSK	M+H	Outer_Full	NV	-30	-6.210000	-0.007380	PASS
DC_30A_n5A	15	5+15	DFT-QPSK	M+H	Outer_Full	NV	-20	-9.570000	-0.011373	PASS
DC_30A_n5A	15	5+15	DFT-QPSK	M+H	Outer_Full	NV	-10	-9.280000	-0.011028	PASS
DC_30A_n5A	15	5+15	DFT-QPSK	M+H	Outer_Full	NV	0	-6.070000	-0.007213	PASS
DC_30A_n5A	15	5+15	DFT-QPSK	M+H	Outer_Full	NV	10	-4.890000	-0.005811	PASS
DC_30A_n5A	15	5+15	DFT-QPSK	M+H	Outer_Full	NV	20	-6.730000	-0.007998	PASS
DC_30A_n5A	15	5+15	DFT-QPSK	M+H	Outer_Full	NV	30	-7.600000	-0.009031	PASS
DC_30A_n5A	15	5+15	DFT-QPSK	M+H	Outer_Full	NV	40	-6.460000	-0.007677	PASS
DC_30A_n5A	15	5+15	DFT-QPSK	M+H	Outer_Full	NV	50	-8.100000	-0.009626	PASS
DC_30A_n5A	15	5+15	DFT-16QAM	M+H	Outer_Full	NV	-30	-7.000000	-0.008318	PASS
DC_30A_n5A	15	5+15	DFT-16QAM	M+H	Outer_Full	NV	-20	-7.440000	-0.008841	PASS
DC_30A	15	5+15	DFT-16QAM	M+H	Outer_Full	NV	-10	-9.590000	-0.011396	PASS

_n5A										
DC_30A_n5A	15	5+15	DFT-16QAM	M+H	Outer_Full	NV	0	-7.780000	-0.009245	PASS
DC_30A_n5A	15	5+15	DFT-16QAM	M+H	Outer_Full	NV	10	-6.160000	-0.007320	PASS
DC_30A_n5A	15	5+15	DFT-16QAM	M+H	Outer_Full	NV	20	-6.190000	-0.007356	PASS
DC_30A_n5A	15	5+15	DFT-16QAM	M+H	Outer_Full	NV	30	-7.370000	-0.008758	PASS
DC_30A_n5A	15	5+15	DFT-16QAM	M+H	Outer_Full	NV	40	-8.310000	-0.009875	PASS
DC_30A_n5A	15	5+15	DFT-16QAM	M+H	Outer_Full	NV	50	-7.240000	-0.008604	PASS
DC_30A_n5A	15	5+20	DFT-QPSK	M+L	Outer_Full	NV	-30	-7.580000	-0.009089	PASS
DC_30A_n5A	15	5+20	DFT-QPSK	M+L	Outer_Full	NV	-20	-8.350000	-0.010012	PASS
DC_30A_n5A	15	5+20	DFT-QPSK	M+L	Outer_Full	NV	-10	-7.060000	-0.008465	PASS
DC_30A_n5A	15	5+20	DFT-QPSK	M+L	Outer_Full	NV	0	-8.199999	-0.009832	PASS
DC_30A_n5A	15	5+20	DFT-QPSK	M+L	Outer_Full	NV	10	-5.500000	-0.006595	PASS
DC_30A_n5A	15	5+20	DFT-QPSK	M+L	Outer_Full	NV	20	-5.910000	-0.007086	PASS
DC_30A_n5A	15	5+20	DFT-QPSK	M+L	Outer_Full	NV	30	-6.090000	-0.007302	PASS
DC_30A_n5A	15	5+20	DFT-QPSK	M+L	Outer_Full	NV	40	-6.000000	-0.007194	PASS
DC_30A_n5A	15	5+20	DFT-QPSK	M+L	Outer_Full	NV	50	-9.970000	-0.011954	PASS
DC_30A_n5A	15	5+20	DFT-16QAM	M+L	Outer_Full	NV	-30	-8.560000	-0.010264	PASS
DC_30A_n5A	15	5+20	DFT-16QAM	M+L	Outer_Full	NV	-20	-7.740000	-0.009281	PASS
DC_30A_n5A	15	5+20	DFT-16QAM	M+L	Outer_Full	NV	-10	-7.040000	-0.008441	PASS
DC_30A_n5A	15	5+20	DFT-16QAM	M+L	Outer_Full	NV	0	-8.550000	-0.010252	PASS
DC_30A_n5A	15	5+20	DFT-16QAM	M+L	Outer_Full	NV	10	-9.420000	-0.011295	PASS
DC_30A	15	5+20	DFT-16QAM	M+L	Outer_Full	NV	20	-10.440000	-0.012518	PASS

_n5A										
DC_30A_n5A	15	5+20	DFT-16QAM	M+L	Outer_Full	NV	30	-9.490000	-0.011379	PASS
DC_30A_n5A	15	5+20	DFT-16QAM	M+L	Outer_Full	NV	40	-8.950000	-0.010731	PASS
DC_30A_n5A	15	5+20	DFT-16QAM	M+L	Outer_Full	NV	50	-7.940000	-0.009520	PASS
DC_30A_n5A	15	5+20	DFT-QPSK	M+M	Outer_Full	NV	-30	-4.810000	-0.005750	PASS
DC_30A_n5A	15	5+20	DFT-QPSK	M+M	Outer_Full	NV	-20	-3.410000	-0.004077	PASS
DC_30A_n5A	15	5+20	DFT-QPSK	M+M	Outer_Full	NV	-10	-6.430000	-0.007687	PASS
DC_30A_n5A	15	5+20	DFT-QPSK	M+M	Outer_Full	NV	0	-5.850000	-0.006993	PASS
DC_30A_n5A	15	5+20	DFT-QPSK	M+M	Outer_Full	NV	10	-7.340000	-0.008775	PASS
DC_30A_n5A	15	5+20	DFT-QPSK	M+M	Outer_Full	NV	20	-4.950000	-0.005918	PASS
DC_30A_n5A	15	5+20	DFT-QPSK	M+M	Outer_Full	NV	30	-6.030000	-0.007209	PASS
DC_30A_n5A	15	5+20	DFT-QPSK	M+M	Outer_Full	NV	40	-1.720000	-0.002056	PASS
DC_30A_n5A	15	5+20	DFT-QPSK	M+M	Outer_Full	NV	50	-4.680000	-0.005595	PASS
DC_30A_n5A	15	5+20	DFT-16QAM	M+M	Outer_Full	NV	-30	-6.570000	-0.007854	PASS
DC_30A_n5A	15	5+20	DFT-16QAM	M+M	Outer_Full	NV	-20	-5.310000	-0.006348	PASS
DC_30A_n5A	15	5+20	DFT-16QAM	M+M	Outer_Full	NV	-10	-6.530000	-0.007806	PASS
DC_30A_n5A	15	5+20	DFT-16QAM	M+M	Outer_Full	NV	0	-6.210000	-0.007424	PASS
DC_30A_n5A	15	5+20	DFT-16QAM	M+M	Outer_Full	NV	10	-4.800000	-0.005738	PASS
DC_30A_n5A	15	5+20	DFT-16QAM	M+M	Outer_Full	NV	20	-6.480000	-0.007747	PASS
DC_30A_n5A	15	5+20	DFT-16QAM	M+M	Outer_Full	NV	30	-6.800000	-0.008129	PASS
DC_30A_n5A	15	5+20	DFT-16QAM	M+M	Outer_Full	NV	40	-5.020000	-0.006001	PASS
DC_30A	15	5+20	DFT-16QAM	M+M	Outer_Full	NV	50	-6.890000	-0.008237	PASS

_n5A										
DC_30A _n5A	15	5+20	DFT-16QAM	M+H	Outer_Full	NV	-30	-4.730000	-0.005638	PASS
DC_30A _n5A	15	5+20	DFT-16QAM	M+H	Outer_Full	NV	-20	-4.420000	-0.005268	PASS
DC_30A _n5A	15	5+20	DFT-16QAM	M+H	Outer_Full	NV	-10	-7.260000	-0.008653	PASS
DC_30A _n5A	15	5+20	DFT-16QAM	M+H	Outer_Full	NV	0	-5.160000	-0.006150	PASS
DC_30A _n5A	15	5+20	DFT-16QAM	M+H	Outer_Full	NV	10	-2.890000	-0.003445	PASS
DC_30A _n5A	15	5+20	DFT-16QAM	M+H	Outer_Full	NV	20	-5.220000	-0.006222	PASS
DC_30A _n5A	15	5+20	DFT-16QAM	M+H	Outer_Full	NV	30	-6.260000	-0.007461	PASS
DC_30A _n5A	15	5+20	DFT-16QAM	M+H	Outer_Full	NV	40	-3.380000	-0.004028	PASS
DC_30A _n5A	15	5+20	DFT-16QAM	M+H	Outer_Full	NV	50	-5.590000	-0.006663	PASS