

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_5A_n7A	15	5+5	DFT-QPSK	M+L	Outer_Full	VL	NT	-2.510000	-0.001003	PASS
DC_5A_n7A	15	5+5	DFT-QPSK	M+L	Outer_Full	VN	NT	0.220000	0.000088	PASS
DC_5A_n7A	15	5+5	DFT-QPSK	M+L	Outer_Full	VH	NT	-1.810000	-0.000723	PASS
DC_5A_n7A	15	5+5	DFT-16QAM	M+L	Outer_Full	VL	NT	-4.010000	-0.001602	PASS
DC_5A_n7A	15	5+5	DFT-16QAM	M+L	Outer_Full	VN	NT	-2.049999	-0.000819	PASS
DC_5A_n7A	15	5+5	DFT-16QAM	M+L	Outer_Full	VH	NT	-3.330000	-0.001331	PASS
DC_5A_n7A	15	5+5	DFT-QPSK	M+M	Outer_Full	VL	NT	-0.700000	-0.000276	PASS
DC_5A_n7A	15	5+5	DFT-QPSK	M+M	Outer_Full	VN	NT	1.030000	0.000406	PASS
DC_5A_n7A	15	5+5	DFT-QPSK	M+M	Outer_Full	VH	NT	-3.050000	-0.001203	PASS
DC_5A_n7A	15	5+5	DFT-16QAM	M+M	Outer_Full	VL	NT	1.920000	0.000757	PASS
DC_5A_n7A	15	5+5	DFT-16QAM	M+M	Outer_Full	VN	NT	-3.210000	-0.001266	PASS
DC_5A_n7A	15	5+5	DFT-16QAM	M+M	Outer_Full	VH	NT	0.990000	0.000391	PASS
DC_5A_n7A	15	5+5	DFT-QPSK	M+H	Outer_Full	VL	NT	1.140000	0.000444	PASS
DC_5A_n7A	15	5+5	DFT-QPSK	M+H	Outer_Full	VN	NT	0.950000	0.000370	PASS
DC_5A_n7A	15	5+5	DFT-QPSK	M+H	Outer_Full	VH	NT	2.840000	0.001106	PASS
DC_5A_n7A	15	5+5	DFT-16QAM	M+H	Outer_Full	VL	NT	0.620000	0.000241	PASS
DC_5A_n7A	15	5+5	DFT-16QAM	M+H	Outer_Full	VN	NT	2.930000	0.001141	PASS
DC_5A_n7A	15	5+5	DFT-16QAM	M+H	Outer_Full	VH	NT	2.990000	0.001165	PASS

n7A										
DC_5A_ n7A	15	5+10	DFT-QPSK	M+L	Outer_Full	VL	NT	3.110000	0.001242	PASS
DC_5A_ n7A	15	5+10	DFT-QPSK	M+L	Outer_Full	VN	NT	2.100000	0.000838	PASS
DC_5A_ n7A	15	5+10	DFT-QPSK	M+L	Outer_Full	VH	NT	1.550000	0.000619	PASS
DC_5A_ n7A	15	5+10	DFT-16QAM	M+L	Outer_Full	VL	NT	2.440000	0.000974	PASS
DC_5A_ n7A	15	5+10	DFT-16QAM	M+L	Outer_Full	VN	NT	1.420000	0.000567	PASS
DC_5A_ n7A	15	5+10	DFT-16QAM	M+L	Outer_Full	VH	NT	-0.030000	-0.000012	PASS
DC_5A_ n7A	15	5+10	DFT-QPSK	M+M	Outer_Full	VL	NT	-0.750000	-0.000296	PASS
DC_5A_ n7A	15	5+10	DFT-QPSK	M+M	Outer_Full	VN	NT	-1.410000	-0.000556	PASS
DC_5A_ n7A	15	5+10	DFT-QPSK	M+M	Outer_Full	VH	NT	-1.330000	-0.000525	PASS
DC_5A_ n7A	15	5+10	DFT-16QAM	M+M	Outer_Full	VL	NT	-1.190000	-0.000469	PASS
DC_5A_ n7A	15	5+10	DFT-16QAM	M+M	Outer_Full	VN	NT	-1.420000	-0.000560	PASS
DC_5A_ n7A	15	5+10	DFT-16QAM	M+M	Outer_Full	VH	NT	-0.180000	-0.000071	PASS
DC_5A_ n7A	15	5+10	DFT-QPSK	M+H	Outer_Full	VL	NT	2.490000	0.000971	PASS
DC_5A_ n7A	15	5+10	DFT-QPSK	M+H	Outer_Full	VN	NT	0.710000	0.000277	PASS
DC_5A_ n7A	15	5+10	DFT-QPSK	M+H	Outer_Full	VH	NT	1.850000	0.000721	PASS
DC_5A_ n7A	15	5+10	DFT-16QAM	M+H	Outer_Full	VL	NT	1.620000	0.000632	PASS
DC_5A_ n7A	15	5+10	DFT-16QAM	M+H	Outer_Full	VN	NT	-0.620000	-0.000242	PASS
DC_5A_ n7A	15	5+10	DFT-16QAM	M+H	Outer_Full	VH	NT	0.420000	0.000164	PASS
DC_5A_ n7A	15	5+15	DFT-QPSK	M+L	Outer_Full	VL	NT	-0.950000	-0.000379	PASS
DC_5A_ n7A	15	5+15	DFT-QPSK	M+L	Outer_Full	VN	NT	0.510000	0.000203	PASS
DC_5A_ n7A	15	5+15	DFT-QPSK	M+L	Outer_Full	VH	NT	-1.440000	-0.000574	PASS

n7A										
DC_5A_ n7A	15	5+15	DFT-16QAM	M+L	Outer_Full	VL	NT	-3.380000	-0.001348	PASS
DC_5A_ n7A	15	5+15	DFT-16QAM	M+L	Outer_Full	VN	NT	-2.049999	-0.000818	PASS
DC_5A_ n7A	15	5+15	DFT-16QAM	M+L	Outer_Full	VH	NT	-3.080000	-0.001228	PASS
DC_5A_ n7A	15	5+15	DFT-QPSK	M+M	Outer_Full	VL	NT	-3.850000	-0.001519	PASS
DC_5A_ n7A	15	5+15	DFT-QPSK	M+M	Outer_Full	VN	NT	-4.290000	-0.001692	PASS
DC_5A_ n7A	15	5+15	DFT-QPSK	M+M	Outer_Full	VH	NT	-4.320000	-0.001704	PASS
DC_5A_ n7A	15	5+15	DFT-16QAM	M+M	Outer_Full	VL	NT	-3.060000	-0.001207	PASS
DC_5A_ n7A	15	5+15	DFT-16QAM	M+M	Outer_Full	VN	NT	-4.600000	-0.001815	PASS
DC_5A_ n7A	15	5+15	DFT-16QAM	M+M	Outer_Full	VH	NT	-1.070000	-0.000422	PASS
DC_5A_ n7A	15	5+15	DFT-QPSK	M+H	Outer_Full	VL	NT	-0.930000	-0.000363	PASS
DC_5A_ n7A	15	5+15	DFT-QPSK	M+H	Outer_Full	VN	NT	-2.550000	-0.000995	PASS
DC_5A_ n7A	15	5+15	DFT-QPSK	M+H	Outer_Full	VH	NT	-2.470000	-0.000964	PASS
DC_5A_ n7A	15	5+15	DFT-16QAM	M+H	Outer_Full	VL	NT	-5.110000	-0.001994	PASS
DC_5A_ n7A	15	5+15	DFT-16QAM	M+H	Outer_Full	VN	NT	-5.460000	-0.002131	PASS
DC_5A_ n7A	15	5+15	DFT-16QAM	M+H	Outer_Full	VH	NT	-5.090000	-0.001986	PASS
DC_5A_ n7A	15	5+20	DFT-QPSK	M+L	Outer_Full	VL	NT	-8.199999	-0.003267	PASS
DC_5A_ n7A	15	5+20	DFT-QPSK	M+L	Outer_Full	VN	NT	-4.870000	-0.001940	PASS
DC_5A_ n7A	15	5+20	DFT-QPSK	M+L	Outer_Full	VH	NT	-5.130000	-0.002043	PASS
DC_5A_ n7A	15	5+20	DFT-16QAM	M+L	Outer_Full	VL	NT	-4.470000	-0.001781	PASS
DC_5A_ n7A	15	5+20	DFT-16QAM	M+L	Outer_Full	VN	NT	-5.360000	-0.002135	PASS
DC_5A_ n7A	15	5+20	DFT-16QAM	M+L	Outer_Full	VH	NT	-4.400000	-0.001753	PASS

n7A										
DC_5A_n7A	15	5+20	DFT-QPSK	M+M	Outer_Full	VL	NT	-0.950000	-0.000375	PASS
DC_5A_n7A	15	5+20	DFT-QPSK	M+M	Outer_Full	VN	NT	-0.890000	-0.000351	PASS
DC_5A_n7A	15	5+20	DFT-QPSK	M+M	Outer_Full	VH	NT	0.750000	0.000296	PASS
DC_5A_n7A	15	5+20	DFT-16QAM	M+M	Outer_Full	VL	NT	-3.590000	-0.001416	PASS
DC_5A_n7A	15	5+20	DFT-16QAM	M+M	Outer_Full	VN	NT	-2.920000	-0.001152	PASS
DC_5A_n7A	15	5+20	DFT-16QAM	M+M	Outer_Full	VH	NT	-2.820000	-0.001112	PASS
DC_5A_n7A	15	5+20	DFT-QPSK	M+H	Outer_Full	VL	NT	-2.500000	-0.000977	PASS
DC_5A_n7A	15	5+20	DFT-QPSK	M+H	Outer_Full	VN	NT	-2.089999	-0.000816	PASS
DC_5A_n7A	15	5+20	DFT-QPSK	M+H	Outer_Full	VH	NT	-0.690000	-0.000270	PASS
DC_5A_n7A	15	5+20	DFT-16QAM	M+H	Outer_Full	VL	NT	-2.610000	-0.001020	PASS
DC_5A_n7A	15	5+20	DFT-16QAM	M+H	Outer_Full	VN	NT	-3.190000	-0.001246	PASS
DC_5A_n7A	15	5+20	DFT-16QAM	M+H	Outer_Full	VH	NT	-2.400000	-0.000938	PASS

Frequency Error VS. Temperature

Band	SCS	Bandwidth	Modulation	Channel	RB Config	Voltage	Temperature	Deviation(Hz)	Deviation (ppm)	Verdict
DC_5A_n7A	15	5+5	DFT-QPSK	M+L	Outer_Full	NV	-30	-0.980000	-0.000392	PASS
DC_5A_n7A	15	5+5	DFT-QPSK	M+L	Outer_Full	NV	-20	-0.450000	-0.000180	PASS
DC_5A_n7A	15	5+5	DFT-QPSK	M+L	Outer_Full	NV	-10	0.070000	0.000028	PASS
DC_5A_n7A	15	5+5	DFT-QPSK	M+L	Outer_Full	NV	0	-2.710000	-0.001083	PASS
DC_5A_n7A	15	5+5	DFT-QPSK	M+L	Outer_Full	NV	10	-4.080000	-0.001630	PASS
DC_5A_n7A	15	5+5	DFT-QPSK	M+L	Outer_Full	NV	20	-3.210000	-0.001283	PASS
DC_5A_n7A	15	5+5	DFT-QPSK	M+L	Outer_Full	NV	30	-0.490000	-0.000196	PASS

n7A										
DC_5A_ n7A	15	5+5	DFT-QPSK	M+L	Outer_Full	NV	40	0.060000	0.000024	PASS
DC_5A_ n7A	15	5+5	DFT-QPSK	M+L	Outer_Full	NV	50	-2.810000	-0.001123	PASS
DC_5A_ n7A	15	5+5	DFT-16QAM	M+L	Outer_Full	NV	-30	-4.139999	-0.001654	PASS
DC_5A_ n7A	15	5+5	DFT-16QAM	M+L	Outer_Full	NV	-20	-0.730000	-0.000292	PASS
DC_5A_ n7A	15	5+5	DFT-16QAM	M+L	Outer_Full	NV	-10	1.090000	0.000436	PASS
DC_5A_ n7A	15	5+5	DFT-16QAM	M+L	Outer_Full	NV	0	-3.040000	-0.001215	PASS
DC_5A_ n7A	15	5+5	DFT-16QAM	M+L	Outer_Full	NV	10	-1.790000	-0.000715	PASS
DC_5A_ n7A	15	5+5	DFT-16QAM	M+L	Outer_Full	NV	20	0.260000	0.000104	PASS
DC_5A_ n7A	15	5+5	DFT-16QAM	M+L	Outer_Full	NV	30	-1.260000	-0.000503	PASS
DC_5A_ n7A	15	5+5	DFT-16QAM	M+L	Outer_Full	NV	40	-1.180000	-0.000472	PASS
DC_5A_ n7A	15	5+5	DFT-16QAM	M+L	Outer_Full	NV	50	-1.100000	-0.000440	PASS
DC_5A_ n7A	15	5+5	DFT-QPSK	M+M	Outer_Full	NV	-30	-0.850000	-0.000335	PASS
DC_5A_ n7A	15	5+5	DFT-QPSK	M+M	Outer_Full	NV	-20	-1.770000	-0.000698	PASS
DC_5A_ n7A	15	5+5	DFT-QPSK	M+M	Outer_Full	NV	-10	0.860000	0.000339	PASS
DC_5A_ n7A	15	5+5	DFT-QPSK	M+M	Outer_Full	NV	0	-2.650000	-0.001045	PASS
DC_5A_ n7A	15	5+5	DFT-QPSK	M+M	Outer_Full	NV	10	2.320000	0.000915	PASS
DC_5A_ n7A	15	5+5	DFT-QPSK	M+M	Outer_Full	NV	20	2.640000	0.001041	PASS
DC_5A_ n7A	15	5+5	DFT-QPSK	M+M	Outer_Full	NV	30	-1.360000	-0.000536	PASS
DC_5A_ n7A	15	5+5	DFT-QPSK	M+M	Outer_Full	NV	40	0.830000	0.000327	PASS
DC_5A_ n7A	15	5+5	DFT-QPSK	M+M	Outer_Full	NV	50	1.110000	0.000438	PASS
DC_5A_ n7A	15	5+5	DFT-16QAM	M+M	Outer_Full	NV	-30	1.240000	0.000488	PASS

n7A										
DC_5A_ n7A	15	5+5	DFT-16QAM	M+M	Outer_Full	NV	-20	-1.900000	-0.000750	PASS
DC_5A_ n7A	15	5+5	DFT-16QAM	M+M	Outer_Full	NV	-10	-0.920000	-0.000363	PASS
DC_5A_ n7A	15	5+5	DFT-16QAM	M+M	Outer_Full	NV	0	-1.380000	-0.000544	PASS
DC_5A_ n7A	15	5+5	DFT-16QAM	M+M	Outer_Full	NV	10	-1.270000	-0.000501	PASS
DC_5A_ n7A	15	5+5	DFT-16QAM	M+M	Outer_Full	NV	20	-0.320000	-0.000126	PASS
DC_5A_ n7A	15	5+5	DFT-16QAM	M+M	Outer_Full	NV	30	-0.020000	-0.000008	PASS
DC_5A_ n7A	15	5+5	DFT-16QAM	M+M	Outer_Full	NV	40	-0.270000	-0.000107	PASS
DC_5A_ n7A	15	5+5	DFT-16QAM	M+M	Outer_Full	NV	50	-0.830000	-0.000327	PASS
DC_5A_ n7A	15	5+5	DFT-QPSK	M+H	Outer_Full	NV	-30	4.440000	0.001729	PASS
DC_5A_ n7A	15	5+5	DFT-QPSK	M+H	Outer_Full	NV	-20	2.140000	0.000833	PASS
DC_5A_ n7A	15	5+5	DFT-QPSK	M+H	Outer_Full	NV	-10	3.400000	0.001324	PASS
DC_5A_ n7A	15	5+5	DFT-QPSK	M+H	Outer_Full	NV	0	4.010000	0.001562	PASS
DC_5A_ n7A	15	5+5	DFT-QPSK	M+H	Outer_Full	NV	10	3.070000	0.001196	PASS
DC_5A_ n7A	15	5+5	DFT-QPSK	M+H	Outer_Full	NV	20	3.530000	0.001375	PASS
DC_5A_ n7A	15	5+5	DFT-QPSK	M+H	Outer_Full	NV	30	1.080000	0.000421	PASS
DC_5A_ n7A	15	5+5	DFT-QPSK	M+H	Outer_Full	NV	40	4.019999	0.001566	PASS
DC_5A_ n7A	15	5+5	DFT-QPSK	M+H	Outer_Full	NV	50	2.069999	0.000806	PASS
DC_5A_ n7A	15	5+5	DFT-16QAM	M+H	Outer_Full	NV	-30	0.360000	0.000140	PASS
DC_5A_ n7A	15	5+5	DFT-16QAM	M+H	Outer_Full	NV	-20	3.480000	0.001355	PASS
DC_5A_ n7A	15	5+5	DFT-16QAM	M+H	Outer_Full	NV	-10	2.029999	0.000791	PASS
DC_5A_ n7A	15	5+5	DFT-16QAM	M+H	Outer_Full	NV	0	1.090000	0.000425	PASS

n7A										
DC_5A_ n7A	15	5+5	DFT-16QAM	M+H	Outer_Full	NV	10	2.430000	0.000946	PASS
DC_5A_ n7A	15	5+5	DFT-16QAM	M+H	Outer_Full	NV	20	2.780000	0.001083	PASS
DC_5A_ n7A	15	5+5	DFT-16QAM	M+H	Outer_Full	NV	30	0.690000	0.000269	PASS
DC_5A_ n7A	15	5+5	DFT-16QAM	M+H	Outer_Full	NV	40	4.620000	0.001799	PASS
DC_5A_ n7A	15	5+5	DFT-16QAM	M+H	Outer_Full	NV	50	2.400000	0.000935	PASS
DC_5A_ n7A	15	5+10	DFT-QPSK	M+L	Outer_Full	NV	-30	0.550000	0.000220	PASS
DC_5A_ n7A	15	5+10	DFT-QPSK	M+L	Outer_Full	NV	-20	0.970000	0.000387	PASS
DC_5A_ n7A	15	5+10	DFT-QPSK	M+L	Outer_Full	NV	-10	0.370000	0.000148	PASS
DC_5A_ n7A	15	5+10	DFT-QPSK	M+L	Outer_Full	NV	0	4.420000	0.001764	PASS
DC_5A_ n7A	15	5+10	DFT-QPSK	M+L	Outer_Full	NV	10	4.110000	0.001641	PASS
DC_5A_ n7A	15	5+10	DFT-QPSK	M+L	Outer_Full	NV	20	4.680000	0.001868	PASS
DC_5A_ n7A	15	5+10	DFT-QPSK	M+L	Outer_Full	NV	30	1.190000	0.000475	PASS
DC_5A_ n7A	15	5+10	DFT-QPSK	M+L	Outer_Full	NV	40	1.990000	0.000794	PASS
DC_5A_ n7A	15	5+10	DFT-QPSK	M+L	Outer_Full	NV	50	1.430000	0.000571	PASS
DC_5A_ n7A	15	5+10	DFT-16QAM	M+L	Outer_Full	NV	-30	4.230000	0.001689	PASS
DC_5A_ n7A	15	5+10	DFT-16QAM	M+L	Outer_Full	NV	-20	1.070000	0.000427	PASS
DC_5A_ n7A	15	5+10	DFT-16QAM	M+L	Outer_Full	NV	-10	2.560000	0.001021	PASS
DC_5A_ n7A	15	5+10	DFT-16QAM	M+L	Outer_Full	NV	0	1.170000	0.000467	PASS
DC_5A_ n7A	15	5+10	DFT-16QAM	M+L	Outer_Full	NV	10	3.290000	0.001313	PASS
DC_5A_ n7A	15	5+10	DFT-16QAM	M+L	Outer_Full	NV	20	2.029999	0.000810	PASS
DC_5A_ n7A	15	5+10	DFT-16QAM	M+L	Outer_Full	NV	30	-0.750000	-0.000299	PASS

n7A										
DC_5A_ n7A	15	5+10	DFT-16QAM	M+L	Outer_Full	NV	40	1.000000	0.000399	PASS
DC_5A_ n7A	15	5+10	DFT-16QAM	M+L	Outer_Full	NV	50	3.300000	0.001317	PASS
DC_5A_ n7A	15	5+10	DFT-QPSK	M+M	Outer_Full	NV	-30	0.450000	0.000178	PASS
DC_5A_ n7A	15	5+10	DFT-QPSK	M+M	Outer_Full	NV	-20	1.760000	0.000694	PASS
DC_5A_ n7A	15	5+10	DFT-QPSK	M+M	Outer_Full	NV	-10	-1.640000	-0.000647	PASS
DC_5A_ n7A	15	5+10	DFT-QPSK	M+M	Outer_Full	NV	0	-1.280000	-0.000505	PASS
DC_5A_ n7A	15	5+10	DFT-QPSK	M+M	Outer_Full	NV	10	-1.560000	-0.000615	PASS
DC_5A_ n7A	15	5+10	DFT-QPSK	M+M	Outer_Full	NV	20	3.060000	0.001207	PASS
DC_5A_ n7A	15	5+10	DFT-QPSK	M+M	Outer_Full	NV	30	0.560000	0.000221	PASS
DC_5A_ n7A	15	5+10	DFT-QPSK	M+M	Outer_Full	NV	40	-0.730000	-0.000288	PASS
DC_5A_ n7A	15	5+10	DFT-QPSK	M+M	Outer_Full	NV	50	0.190000	0.000075	PASS
DC_5A_ n7A	15	5+10	DFT-16QAM	M+M	Outer_Full	NV	-30	-0.010000	-0.000004	PASS
DC_5A_ n7A	15	5+10	DFT-16QAM	M+M	Outer_Full	NV	-20	-0.980000	-0.000387	PASS
DC_5A_ n7A	15	5+10	DFT-16QAM	M+M	Outer_Full	NV	-10	-1.160000	-0.000458	PASS
DC_5A_ n7A	15	5+10	DFT-16QAM	M+M	Outer_Full	NV	0	-2.560000	-0.001010	PASS
DC_5A_ n7A	15	5+10	DFT-16QAM	M+M	Outer_Full	NV	10	1.550000	0.000611	PASS
DC_5A_ n7A	15	5+10	DFT-16QAM	M+M	Outer_Full	NV	20	0.460000	0.000181	PASS
DC_5A_ n7A	15	5+10	DFT-16QAM	M+M	Outer_Full	NV	30	1.220000	0.000481	PASS
DC_5A_ n7A	15	5+10	DFT-16QAM	M+M	Outer_Full	NV	40	-0.650000	-0.000256	PASS
DC_5A_ n7A	15	5+10	DFT-16QAM	M+M	Outer_Full	NV	50	2.380000	0.000939	PASS
DC_5A_ n7A	15	5+10	DFT-QPSK	M+H	Outer_Full	NV	-30	0.900000	0.000351	PASS

n7A										
DC_5A_ n7A	15	5+10	DFT-QPSK	M+H	Outer_Full	NV	-20	3.980000	0.001552	PASS
DC_5A_ n7A	15	5+10	DFT-QPSK	M+H	Outer_Full	NV	-10	3.030000	0.001181	PASS
DC_5A_ n7A	15	5+10	DFT-QPSK	M+H	Outer_Full	NV	0	-0.800000	-0.000312	PASS
DC_5A_ n7A	15	5+10	DFT-QPSK	M+H	Outer_Full	NV	10	3.790000	0.001478	PASS
DC_5A_ n7A	15	5+10	DFT-QPSK	M+H	Outer_Full	NV	20	0.750000	0.000292	PASS
DC_5A_ n7A	15	5+10	DFT-QPSK	M+H	Outer_Full	NV	30	4.630000	0.001805	PASS
DC_5A_ n7A	15	5+10	DFT-QPSK	M+H	Outer_Full	NV	40	-0.600000	-0.000234	PASS
DC_5A_ n7A	15	5+10	DFT-QPSK	M+H	Outer_Full	NV	50	2.180000	0.000850	PASS
DC_5A_ n7A	15	5+10	DFT-16QAM	M+H	Outer_Full	NV	-30	2.110000	0.000823	PASS
DC_5A_ n7A	15	5+10	DFT-16QAM	M+H	Outer_Full	NV	-20	2.510000	0.000979	PASS
DC_5A_ n7A	15	5+10	DFT-16QAM	M+H	Outer_Full	NV	-10	2.860000	0.001115	PASS
DC_5A_ n7A	15	5+10	DFT-16QAM	M+H	Outer_Full	NV	0	0.920000	0.000359	PASS
DC_5A_ n7A	15	5+10	DFT-16QAM	M+H	Outer_Full	NV	10	-0.700000	-0.000273	PASS
DC_5A_ n7A	15	5+10	DFT-16QAM	M+H	Outer_Full	NV	20	2.080000	0.000811	PASS
DC_5A_ n7A	15	5+10	DFT-16QAM	M+H	Outer_Full	NV	30	3.890000	0.001517	PASS
DC_5A_ n7A	15	5+10	DFT-16QAM	M+H	Outer_Full	NV	40	4.350000	0.001696	PASS
DC_5A_ n7A	15	5+10	DFT-16QAM	M+H	Outer_Full	NV	50	1.190000	0.000464	PASS
DC_5A_ n7A	15	5+15	DFT-QPSK	M+L	Outer_Full	NV	-30	-2.340000	-0.000933	PASS
DC_5A_ n7A	15	5+15	DFT-QPSK	M+L	Outer_Full	NV	-20	-1.390000	-0.000554	PASS
DC_5A_ n7A	15	5+15	DFT-QPSK	M+L	Outer_Full	NV	-10	-2.170000	-0.000865	PASS
DC_5A_ n7A	15	5+15	DFT-QPSK	M+L	Outer_Full	NV	0	0.110000	0.000044	PASS

n7A										
DC_5A_ n7A	15	5+15	DFT-QPSK	M+L	Outer_Full	NV	10	0.910000	0.000363	PASS
DC_5A_ n7A	15	5+15	DFT-QPSK	M+L	Outer_Full	NV	20	0.140000	0.000056	PASS
DC_5A_ n7A	15	5+15	DFT-QPSK	M+L	Outer_Full	NV	30	-2.089999	-0.000833	PASS
DC_5A_ n7A	15	5+15	DFT-QPSK	M+L	Outer_Full	NV	40	0.250000	0.000100	PASS
DC_5A_ n7A	15	5+15	DFT-QPSK	M+L	Outer_Full	NV	50	-0.380000	-0.000152	PASS
DC_5A_ n7A	15	5+15	DFT-16QAM	M+L	Outer_Full	NV	-30	-1.620000	-0.000646	PASS
DC_5A_ n7A	15	5+15	DFT-16QAM	M+L	Outer_Full	NV	-20	-3.960000	-0.001579	PASS
DC_5A_ n7A	15	5+15	DFT-16QAM	M+L	Outer_Full	NV	-10	-1.330000	-0.000530	PASS
DC_5A_ n7A	15	5+15	DFT-16QAM	M+L	Outer_Full	NV	0	-2.470000	-0.000985	PASS
DC_5A_ n7A	15	5+15	DFT-16QAM	M+L	Outer_Full	NV	10	-0.270000	-0.000108	PASS
DC_5A_ n7A	15	5+15	DFT-16QAM	M+L	Outer_Full	NV	20	-2.680000	-0.001069	PASS
DC_5A_ n7A	15	5+15	DFT-16QAM	M+L	Outer_Full	NV	30	-0.360000	-0.000144	PASS
DC_5A_ n7A	15	5+15	DFT-16QAM	M+L	Outer_Full	NV	40	-2.970000	-0.001184	PASS
DC_5A_ n7A	15	5+15	DFT-16QAM	M+L	Outer_Full	NV	50	-4.120000	-0.001643	PASS
DC_5A_ n7A	15	5+15	DFT-QPSK	M+M	Outer_Full	NV	-30	-3.130000	-0.001235	PASS
DC_5A_ n7A	15	5+15	DFT-QPSK	M+M	Outer_Full	NV	-20	-4.040000	-0.001594	PASS
DC_5A_ n7A	15	5+15	DFT-QPSK	M+M	Outer_Full	NV	-10	-2.280000	-0.000899	PASS
DC_5A_ n7A	15	5+15	DFT-QPSK	M+M	Outer_Full	NV	0	-2.870000	-0.001132	PASS
DC_5A_ n7A	15	5+15	DFT-QPSK	M+M	Outer_Full	NV	10	-3.870000	-0.001527	PASS
DC_5A_ n7A	15	5+15	DFT-QPSK	M+M	Outer_Full	NV	20	-1.970000	-0.000777	PASS
DC_5A_ n7A	15	5+15	DFT-QPSK	M+M	Outer_Full	NV	30	-5.150000	-0.002032	PASS

n7A										
DC_5A_ n7A	15	5+15	DFT-QPSK	M+M	Outer_Full	NV	40	-4.360000	-0.001720	PASS
DC_5A_ n7A	15	5+15	DFT-QPSK	M+M	Outer_Full	NV	50	-2.370000	-0.000935	PASS
DC_5A_ n7A	15	5+15	DFT-16QAM	M+M	Outer_Full	NV	-30	-1.770000	-0.000698	PASS
DC_5A_ n7A	15	5+15	DFT-16QAM	M+M	Outer_Full	NV	-20	-3.630000	-0.001432	PASS
DC_5A_ n7A	15	5+15	DFT-16QAM	M+M	Outer_Full	NV	-10	1.140000	0.000450	PASS
DC_5A_ n7A	15	5+15	DFT-16QAM	M+M	Outer_Full	NV	0	-3.550000	-0.001400	PASS
DC_5A_ n7A	15	5+15	DFT-16QAM	M+M	Outer_Full	NV	10	-2.220000	-0.000876	PASS
DC_5A_ n7A	15	5+15	DFT-16QAM	M+M	Outer_Full	NV	20	-1.180000	-0.000465	PASS
DC_5A_ n7A	15	5+15	DFT-16QAM	M+M	Outer_Full	NV	30	-3.680000	-0.001452	PASS
DC_5A_ n7A	15	5+15	DFT-16QAM	M+M	Outer_Full	NV	40	-4.320000	-0.001704	PASS
DC_5A_ n7A	15	5+15	DFT-16QAM	M+M	Outer_Full	NV	50	-4.630000	-0.001826	PASS
DC_5A_ n7A	15	5+15	DFT-QPSK	M+H	Outer_Full	NV	-30	-2.410000	-0.000940	PASS
DC_5A_ n7A	15	5+15	DFT-QPSK	M+H	Outer_Full	NV	-20	-2.330000	-0.000909	PASS
DC_5A_ n7A	15	5+15	DFT-QPSK	M+H	Outer_Full	NV	-10	-0.660000	-0.000258	PASS
DC_5A_ n7A	15	5+15	DFT-QPSK	M+H	Outer_Full	NV	0	-6.860000	-0.002677	PASS
DC_5A_ n7A	15	5+15	DFT-QPSK	M+H	Outer_Full	NV	10	-4.690000	-0.001830	PASS
DC_5A_ n7A	15	5+15	DFT-QPSK	M+H	Outer_Full	NV	20	-5.440000	-0.002123	PASS
DC_5A_ n7A	15	5+15	DFT-QPSK	M+H	Outer_Full	NV	30	-3.420000	-0.001335	PASS
DC_5A_ n7A	15	5+15	DFT-QPSK	M+H	Outer_Full	NV	40	-3.550000	-0.001385	PASS
DC_5A_ n7A	15	5+15	DFT-QPSK	M+H	Outer_Full	NV	50	-3.590000	-0.001401	PASS
DC_5A_ n7A	15	5+15	DFT-16QAM	M+H	Outer_Full	NV	-30	-5.600000	-0.002185	PASS

n7A										
DC_5A_ n7A	15	5+15	DFT-16QAM	M+H	Outer_Full	NV	-20	-2.740000	-0.001069	PASS
DC_5A_ n7A	15	5+15	DFT-16QAM	M+H	Outer_Full	NV	-10	-5.340000	-0.002084	PASS
DC_5A_ n7A	15	5+15	DFT-16QAM	M+H	Outer_Full	NV	0	-3.540000	-0.001381	PASS
DC_5A_ n7A	15	5+15	DFT-16QAM	M+H	Outer_Full	NV	10	-5.940000	-0.002318	PASS
DC_5A_ n7A	15	5+15	DFT-16QAM	M+H	Outer_Full	NV	20	-5.570000	-0.002174	PASS
DC_5A_ n7A	15	5+15	DFT-16QAM	M+H	Outer_Full	NV	30	-3.450000	-0.001346	PASS
DC_5A_ n7A	15	5+15	DFT-16QAM	M+H	Outer_Full	NV	40	-6.130000	-0.002392	PASS
DC_5A_ n7A	15	5+15	DFT-16QAM	M+H	Outer_Full	NV	50	-3.830000	-0.001495	PASS
DC_5A_ n7A	15	5+20	DFT-QPSK	M+L	Outer_Full	NV	-30	-8.680000	-0.003458	PASS
DC_5A_ n7A	15	5+20	DFT-QPSK	M+L	Outer_Full	NV	-20	-7.830000	-0.003120	PASS
DC_5A_ n7A	15	5+20	DFT-QPSK	M+L	Outer_Full	NV	-10	-6.660000	-0.002653	PASS
DC_5A_ n7A	15	5+20	DFT-QPSK	M+L	Outer_Full	NV	0	-5.310000	-0.002116	PASS
DC_5A_ n7A	15	5+20	DFT-QPSK	M+L	Outer_Full	NV	10	-7.310000	-0.002912	PASS
DC_5A_ n7A	15	5+20	DFT-QPSK	M+L	Outer_Full	NV	20	-5.520000	-0.002199	PASS
DC_5A_ n7A	15	5+20	DFT-QPSK	M+L	Outer_Full	NV	30	-5.210000	-0.002076	PASS
DC_5A_ n7A	15	5+20	DFT-QPSK	M+L	Outer_Full	NV	40	-9.600000	-0.003825	PASS
DC_5A_ n7A	15	5+20	DFT-QPSK	M+L	Outer_Full	NV	50	-5.360000	-0.002135	PASS
DC_5A_ n7A	15	5+20	DFT-16QAM	M+L	Outer_Full	NV	-30	-4.420000	-0.001761	PASS
DC_5A_ n7A	15	5+20	DFT-16QAM	M+L	Outer_Full	NV	-20	-8.870000	-0.003534	PASS
DC_5A_ n7A	15	5+20	DFT-16QAM	M+L	Outer_Full	NV	-10	-5.310000	-0.002116	PASS
DC_5A_ n7A	15	5+20	DFT-16QAM	M+L	Outer_Full	NV	0	-6.090000	-0.002426	PASS

n7A										
DC_5A_ n7A	15	5+20	DFT-16QAM	M+L	Outer_Full	NV	10	-7.010000	-0.002793	PASS
DC_5A_ n7A	15	5+20	DFT-16QAM	M+L	Outer_Full	NV	20	-7.740000	-0.003084	PASS
DC_5A_ n7A	15	5+20	DFT-16QAM	M+L	Outer_Full	NV	30	-3.430000	-0.001367	PASS
DC_5A_ n7A	15	5+20	DFT-16QAM	M+L	Outer_Full	NV	40	-6.350000	-0.002530	PASS
DC_5A_ n7A	15	5+20	DFT-16QAM	M+L	Outer_Full	NV	50	-7.600000	-0.003028	PASS
DC_5A_ n7A	15	5+20	DFT-QPSK	M+M	Outer_Full	NV	-30	-3.020000	-0.001191	PASS
DC_5A_ n7A	15	5+20	DFT-QPSK	M+M	Outer_Full	NV	-20	-1.970000	-0.000777	PASS
DC_5A_ n7A	15	5+20	DFT-QPSK	M+M	Outer_Full	NV	-10	-1.360000	-0.000536	PASS
DC_5A_ n7A	15	5+20	DFT-QPSK	M+M	Outer_Full	NV	0	-1.380000	-0.000544	PASS
DC_5A_ n7A	15	5+20	DFT-QPSK	M+M	Outer_Full	NV	10	-2.110000	-0.000832	PASS
DC_5A_ n7A	15	5+20	DFT-QPSK	M+M	Outer_Full	NV	20	-3.250000	-0.001282	PASS
DC_5A_ n7A	15	5+20	DFT-QPSK	M+M	Outer_Full	NV	30	-1.180000	-0.000465	PASS
DC_5A_ n7A	15	5+20	DFT-QPSK	M+M	Outer_Full	NV	40	-1.720000	-0.000679	PASS
DC_5A_ n7A	15	5+20	DFT-QPSK	M+M	Outer_Full	NV	50	0.630000	0.000248	PASS
DC_5A_ n7A	15	5+20	DFT-16QAM	M+M	Outer_Full	NV	-30	-0.710000	-0.000280	PASS
DC_5A_ n7A	15	5+20	DFT-16QAM	M+M	Outer_Full	NV	-20	-1.870000	-0.000738	PASS
DC_5A_ n7A	15	5+20	DFT-16QAM	M+M	Outer_Full	NV	-10	-3.080000	-0.001215	PASS
DC_5A_ n7A	15	5+20	DFT-16QAM	M+M	Outer_Full	NV	0	0.310000	0.000122	PASS
DC_5A_ n7A	15	5+20	DFT-16QAM	M+M	Outer_Full	NV	10	-2.550000	-0.001006	PASS
DC_5A_ n7A	15	5+20	DFT-16QAM	M+M	Outer_Full	NV	20	-4.920000	-0.001941	PASS
DC_5A_ n7A	15	5+20	DFT-16QAM	M+M	Outer_Full	NV	30	-3.060000	-0.001207	PASS

n7A										
DC_5A_ n7A	15	5+20	DFT-16QAM	M+M	Outer_Full	NV	40	-2.700000	-0.001065	PASS
DC_5A_ n7A	15	5+20	DFT-16QAM	M+M	Outer_Full	NV	50	-1.730000	-0.000682	PASS
DC_5A_ n7A	15	5+20	DFT-QPSK	M+H	Outer_Full	NV	-30	-1.520000	-0.000594	PASS
DC_5A_ n7A	15	5+20	DFT-QPSK	M+H	Outer_Full	NV	-20	-3.830000	-0.001496	PASS
DC_5A_ n7A	15	5+20	DFT-QPSK	M+H	Outer_Full	NV	-10	-1.950000	-0.000762	PASS
DC_5A_ n7A	15	5+20	DFT-QPSK	M+H	Outer_Full	NV	0	0.570000	0.000223	PASS
DC_5A_ n7A	15	5+20	DFT-QPSK	M+H	Outer_Full	NV	10	-1.180000	-0.000461	PASS
DC_5A_ n7A	15	5+20	DFT-QPSK	M+H	Outer_Full	NV	20	-0.770000	-0.000301	PASS
DC_5A_ n7A	15	5+20	DFT-QPSK	M+H	Outer_Full	NV	30	-2.190000	-0.000855	PASS
DC_5A_ n7A	15	5+20	DFT-QPSK	M+H	Outer_Full	NV	40	-2.190000	-0.000855	PASS
DC_5A_ n7A	15	5+20	DFT-QPSK	M+H	Outer_Full	NV	50	-3.350000	-0.001309	PASS
DC_5A_ n7A	15	5+20	DFT-16QAM	M+H	Outer_Full	NV	-30	-1.500000	-0.000586	PASS
DC_5A_ n7A	15	5+20	DFT-16QAM	M+H	Outer_Full	NV	-20	-1.710000	-0.000668	PASS
DC_5A_ n7A	15	5+20	DFT-16QAM	M+H	Outer_Full	NV	-10	-1.620000	-0.000633	PASS
DC_5A_ n7A	15	5+20	DFT-16QAM	M+H	Outer_Full	NV	0	-2.980000	-0.001164	PASS
DC_5A_ n7A	15	5+20	DFT-16QAM	M+H	Outer_Full	NV	10	-2.080000	-0.000813	PASS
DC_5A_ n7A	15	5+20	DFT-16QAM	M+H	Outer_Full	NV	20	-3.970000	-0.001551	PASS
DC_5A_ n7A	15	5+20	DFT-16QAM	M+H	Outer_Full	NV	30	-3.350000	-0.001309	PASS
DC_5A_ n7A	15	5+20	DFT-16QAM	M+H	Outer_Full	NV	40	-0.990000	-0.000387	PASS
DC_5A_ n7A	15	5+20	DFT-16QAM	M+H	Outer_Full	NV	50	0.020000	0.000008	PASS