







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_13A_n7A	15	5+5	DFT-QPSK	M+L	Outer_Full	VL	NT	-3.950000	-0.001578	PASS
DC_13A_n7A	15	5+5	DFT-QPSK	M+L	Outer_Full	VN	NT	-2.830000	-0.001131	PASS
DC_13A_n7A	15	5+5	DFT-QPSK	M+L	Outer_Full	VH	NT	-2.300000	-0.000919	PASS
DC_13A_n7A	15	5+5	DFT-16QAM	M+L	Outer_Full	VL	NT	-2.890000	-0.001155	PASS
DC_13A_n7A	15	5+5	DFT-16QAM	M+L	Outer_Full	VN	NT	-2.780000	-0.001111	PASS
DC_13A_n7A	15	5+5	DFT-16QAM	M+L	Outer_Full	VH	NT	-3.850000	-0.001538	PASS
DC_13A_n7A	15	5+5	DFT-QPSK	M+M	Outer_Full	VL	NT	-2.910000	-0.001148	PASS
DC_13A_n7A	15	5+5	DFT-QPSK	M+M	Outer_Full	VN	NT	-1.000000	-0.000394	PASS
DC_13A_n7A	15	5+5	DFT-QPSK	M+M	Outer_Full	VH	NT	0.870000	0.000343	PASS
DC_13A_n7A	15	5+5	DFT-16QAM	M+M	Outer_Full	VL	NT	-1.540000	-0.000607	PASS
DC_13A_n7A	15	5+5	DFT-16QAM	M+M	Outer_Full	VN	NT	-2.450000	-0.000966	PASS
DC_13A_n7A	15	5+5	DFT-16QAM	M+M	Outer_Full	VH	NT	-2.530000	-0.000998	PASS
DC_13A_n7A	15	5+5	DFT-QPSK	M+H	Outer_Full	VL	NT	3.570000	0.001390	PASS
DC_13A_n7A	15	5+5	DFT-QPSK	M+H	Outer_Full	VN	NT	5.440000	0.002119	PASS
DC_13A_n7A	15	5+5	DFT-QPSK	M+H	Outer_Full	VH	NT	3.010000	0.001172	PASS
DC_13A_n7A	15	5+5	DFT-16QAM	M+H	Outer_Full	VL	NT	4.130000	0.001609	PASS
DC_13A_n7A	15	5+5	DFT-16QAM	M+H	Outer_Full	VN	NT	4.160000	0.001620	PASS

DC_13A_n7A	15	5+5	DFT-16QAM	M+H	Outer_Full	VH	NT	3.220000	0.001254	PASS
DC_13A_n7A	15	5+10	DFT-QPSK	M+L	Outer_Full	VL	NT	-0.490000	-0.000196	PASS
DC_13A_n7A	15	5+10	DFT-QPSK	M+L	Outer_Full	VN	NT	-4.540000	-0.001812	PASS
DC_13A_n7A	15	5+10	DFT-QPSK	M+L	Outer_Full	VH	NT	-4.620000	-0.001844	PASS
DC_13A_n7A	15	5+10	DFT-16QAM	M+L	Outer_Full	VL	NT	-4.560000	-0.001820	PASS
DC_13A_n7A	15	5+10	DFT-16QAM	M+L	Outer_Full	VN	NT	-3.080000	-0.001230	PASS
DC_13A_n7A	15	5+10	DFT-16QAM	M+L	Outer_Full	VH	NT	-3.160000	-0.001261	PASS
DC_13A_n7A	15	5+10	DFT-QPSK	M+M	Outer_Full	VL	NT	0.210000	0.000083	PASS
DC_13A_n7A	15	5+10	DFT-QPSK	M+M	Outer_Full	VN	NT	0.190000	0.000075	PASS
DC_13A_n7A	15	5+10	DFT-QPSK	M+M	Outer_Full	VH	NT	4.260000	0.001680	PASS
DC_13A_n7A	15	5+10	DFT-16QAM	M+M	Outer_Full	VL	NT	-1.410000	-0.000556	PASS
DC_13A_n7A	15	5+10	DFT-16QAM	M+M	Outer_Full	VN	NT	-1.660000	-0.000655	PASS
DC_13A_n7A	15	5+10	DFT-16QAM	M+M	Outer_Full	VH	NT	-3.460000	-0.001365	PASS
DC_13A_n7A	15	5+10	DFT-QPSK	M+H	Outer_Full	VL	NT	-3.220000	-0.001255	PASS
DC_13A_n7A	15	5+10	DFT-QPSK	M+H	Outer_Full	VN	NT	0.130000	0.000051	PASS
DC_13A_n7A	15	5+10	DFT-QPSK	M+H	Outer_Full	VH	NT	-1.180000	-0.000460	PASS
DC_13A_n7A	15	5+10	DFT-16QAM	M+H	Outer_Full	VL	NT	-0.920000	-0.000359	PASS
DC_13A_n7A	15	5+10	DFT-16QAM	M+H	Outer_Full	VN	NT	-2.730000	-0.001064	PASS
DC_13A_n7A	15	5+10	DFT-16QAM	M+H	Outer_Full	VH	NT	0.160000	0.000062	PASS
DC_13A_n7A	15	5+15	DFT-QPSK	M+L	Outer_Full	VL	NT	-4.890000	-0.001950	PASS
DC_13A_n7A	15	5+15	DFT-QPSK	M+L	Outer_Full	VN	NT	-6.900000	-0.002752	PASS

DC_13A_n7A	15	5+15	DFT-QPSK	M+L	Outer_Full	VH	NT	-3.120000	-0.001244	PASS
DC_13A_n7A	15	5+15	DFT-16QAM	M+L	Outer_Full	VL	NT	-3.130000	-0.001248	PASS
DC_13A_n7A	15	5+15	DFT-16QAM	M+L	Outer_Full	VN	NT	-5.940000	-0.002369	PASS
DC_13A_n7A	15	5+15	DFT-16QAM	M+L	Outer_Full	VH	NT	-3.770000	-0.001503	PASS
DC_13A_n7A	15	5+15	DFT-QPSK	M+M	Outer_Full	VL	NT	-7.530000	-0.002970	PASS
DC_13A_n7A	15	5+15	DFT-QPSK	M+M	Outer_Full	VN	NT	-5.260000	-0.002075	PASS
DC_13A_n7A	15	5+15	DFT-QPSK	M+M	Outer_Full	VH	NT	-5.570000	-0.002197	PASS
DC_13A_n7A	15	5+15	DFT-16QAM	M+M	Outer_Full	VL	NT	-7.000000	-0.002761	PASS
DC_13A_n7A	15	5+15	DFT-16QAM	M+M	Outer_Full	VN	NT	-7.470000	-0.002947	PASS
DC_13A_n7A	15	5+15	DFT-16QAM	M+M	Outer_Full	VH	NT	-3.870000	-0.001527	PASS
DC_13A_n7A	15	5+15	DFT-QPSK	M+H	Outer_Full	VL	NT	-4.440000	-0.001733	PASS
DC_13A_n7A	15	5+15	DFT-QPSK	M+H	Outer_Full	VN	NT	-11.180000	-0.004363	PASS
DC_13A_n7A	15	5+15	DFT-QPSK	M+H	Outer_Full	VH	NT	-2.680000	-0.001046	PASS
DC_13A_n7A	15	5+15	DFT-16QAM	M+H	Outer_Full	VL	NT	-4.670000	-0.001822	PASS
DC_13A_n7A	15	5+15	DFT-16QAM	M+H	Outer_Full	VN	NT	-8.760000	-0.003419	PASS
DC_13A_n7A	15	5+15	DFT-16QAM	M+H	Outer_Full	VH	NT	-7.110000	-0.002775	PASS
DC_13A_n7A	15	5+20	DFT-QPSK	M+L	Outer_Full	VL	NT	-8.920000	-0.003554	PASS
DC_13A_n7A	15	5+20	DFT-QPSK	M+L	Outer_Full	VN	NT	-8.400000	-0.003347	PASS
DC_13A_n7A	15	5+20	DFT-QPSK	M+L	Outer_Full	VH	NT	-8.010000	-0.003191	PASS
DC_13A_n7A	15	5+20	DFT-16QAM	M+L	Outer_Full	VL	NT	-7.890000	-0.003143	PASS
DC_13A_n7A	15	5+20	DFT-16QAM	M+L	Outer_Full	VN	NT	-4.900000	-0.001952	PASS

DC_13A_n7A	15	5+20	DFT-16QAM	M+L	Outer_Full	VH	NT	-8.270000	-0.003295	PASS
DC_13A_n7A	15	5+20	DFT-QPSK	M+M	Outer_Full	VL	NT	-5.710000	-0.002252	PASS
DC_13A_n7A	15	5+20	DFT-QPSK	M+M	Outer_Full	VN	NT	-3.840000	-0.001515	PASS
DC_13A_n7A	15	5+20	DFT-QPSK	M+M	Outer_Full	VH	NT	-3.670000	-0.001448	PASS
DC_13A_n7A	15	5+20	DFT-16QAM	M+M	Outer_Full	VL	NT	-5.730000	-0.002260	PASS
DC_13A_n7A	15	5+20	DFT-16QAM	M+M	Outer_Full	VN	NT	-6.580000	-0.002596	PASS
DC_13A_n7A	15	5+20	DFT-16QAM	M+M	Outer_Full	VH	NT	-9.670000	-0.003815	PASS
DC_13A_n7A	15	5+20	DFT-QPSK	M+H	Outer_Full	VL	NT	-2.970000	-0.001160	PASS
DC_13A_n7A	15	5+20	DFT-QPSK	M+H	Outer_Full	VN	NT	-6.150000	-0.002402	PASS
DC_13A_n7A	15	5+20	DFT-QPSK	M+H	Outer_Full	VH	NT	-3.690000	-0.001441	PASS
DC_13A_n7A	15	5+20	DFT-16QAM	M+H	Outer_Full	VL	NT	-3.700000	-0.001445	PASS
DC_13A_n7A	15	5+20	DFT-16QAM	M+H	Outer_Full	VN	NT	-3.030000	-0.001184	PASS
DC_13A_n7A	15	5+20	DFT-16QAM	M+H	Outer_Full	VH	NT	-3.330000	-0.001301	PASS

Frequency Error VS. Temperature

Voltage										
Band	SCS	Bandwidth	Modulation	Channel	RB Config	Voltage	Temperature	Deviation(Hz)	Deviation (ppm)	Verdict
DC_13A_n7A	15	5+5	DFT-QPSK	M+L	Outer_Full	NV	-30	-2.210000	-0.000883	PASS
DC_13A_n7A	15	5+5	DFT-QPSK	M+L	Outer_Full	NV	-20	-0.090000	-0.000036	PASS
DC_13A_n7A	15	5+5	DFT-QPSK	M+L	Outer_Full	NV	-10	-6.920000	-0.002765	PASS
DC_13A_n7A	15	5+5	DFT-QPSK	M+L	Outer_Full	NV	0	-3.580000	-0.001431	PASS
DC_13A_n7A	15	5+5	DFT-QPSK	M+L	Outer_Full	NV	10	-2.180000	-0.000871	PASS
DC_13A	15	5+5	DFT-QPSK	M+L	Outer_Full	NV	20	0.240000	0.000096	PASS

_n7A										
DC_13A_n7A	15	5+5	DFT-QPSK	M+L	Outer_Full	NV	30	0.310000	0.000124	PASS
DC_13A_n7A	15	5+5	DFT-QPSK	M+L	Outer_Full	NV	40	-4.290000	-0.001714	PASS
DC_13A_n7A	15	5+5	DFT-QPSK	M+L	Outer_Full	NV	50	-4.910000	-0.001962	PASS
DC_13A_n7A	15	5+5	DFT-16QAM	M+L	Outer_Full	NV	-30	0.840000	0.000336	PASS
DC_13A_n7A	15	5+5	DFT-16QAM	M+L	Outer_Full	NV	-20	-2.049999	-0.000819	PASS
DC_13A_n7A	15	5+5	DFT-16QAM	M+L	Outer_Full	NV	-10	-2.640000	-0.001055	PASS
DC_13A_n7A	15	5+5	DFT-16QAM	M+L	Outer_Full	NV	0	-4.179999	-0.001670	PASS
DC_13A_n7A	15	5+5	DFT-16QAM	M+L	Outer_Full	NV	10	-3.420000	-0.001367	PASS
DC_13A_n7A	15	5+5	DFT-16QAM	M+L	Outer_Full	NV	20	-1.690000	-0.000675	PASS
DC_13A_n7A	15	5+5	DFT-16QAM	M+L	Outer_Full	NV	30	-2.220000	-0.000887	PASS
DC_13A_n7A	15	5+5	DFT-16QAM	M+L	Outer_Full	NV	40	-3.290000	-0.001315	PASS
DC_13A_n7A	15	5+5	DFT-16QAM	M+L	Outer_Full	NV	50	-5.100000	-0.002037	PASS
DC_13A_n7A	15	5+5	DFT-QPSK	M+M	Outer_Full	NV	-30	-2.730000	-0.001077	PASS
DC_13A_n7A	15	5+5	DFT-QPSK	M+M	Outer_Full	NV	-20	-1.520000	-0.000600	PASS
DC_13A_n7A	15	5+5	DFT-QPSK	M+M	Outer_Full	NV	-10	-3.360000	-0.001325	PASS
DC_13A_n7A	15	5+5	DFT-QPSK	M+M	Outer_Full	NV	0	-4.430000	-0.001748	PASS
DC_13A_n7A	15	5+5	DFT-QPSK	M+M	Outer_Full	NV	10	-4.210000	-0.001661	PASS
DC_13A_n7A	15	5+5	DFT-QPSK	M+M	Outer_Full	NV	20	-2.160000	-0.000852	PASS
DC_13A_n7A	15	5+5	DFT-QPSK	M+M	Outer_Full	NV	30	-3.360000	-0.001325	PASS
DC_13A_n7A	15	5+5	DFT-QPSK	M+M	Outer_Full	NV	40	1.570000	0.000619	PASS
DC_13A	15	5+5	DFT-QPSK	M+M	Outer_Full	NV	50	0.670000	0.000264	PASS

_n7A										
DC_13A_n7A	15	5+5	DFT-16QAM	M+M	Outer_Full	NV	-30	-4.720000	-0.001862	PASS
DC_13A_n7A	15	5+5	DFT-16QAM	M+M	Outer_Full	NV	-20	0.530000	0.000209	PASS
DC_13A_n7A	15	5+5	DFT-16QAM	M+M	Outer_Full	NV	-10	-3.400000	-0.001341	PASS
DC_13A_n7A	15	5+5	DFT-16QAM	M+M	Outer_Full	NV	0	-2.190000	-0.000864	PASS
DC_13A_n7A	15	5+5	DFT-16QAM	M+M	Outer_Full	NV	10	-1.080000	-0.000426	PASS
DC_13A_n7A	15	5+5	DFT-16QAM	M+M	Outer_Full	NV	20	-0.690000	-0.000272	PASS
DC_13A_n7A	15	5+5	DFT-16QAM	M+M	Outer_Full	NV	30	0.460000	0.000181	PASS
DC_13A_n7A	15	5+5	DFT-16QAM	M+M	Outer_Full	NV	40	-1.130000	-0.000446	PASS
DC_13A_n7A	15	5+5	DFT-16QAM	M+M	Outer_Full	NV	50	-3.370000	-0.001329	PASS
DC_13A_n7A	15	5+5	DFT-QPSK	M+H	Outer_Full	NV	-30	3.840000	0.001496	PASS
DC_13A_n7A	15	5+5	DFT-QPSK	M+H	Outer_Full	NV	-20	2.690000	0.001048	PASS
DC_13A_n7A	15	5+5	DFT-QPSK	M+H	Outer_Full	NV	-10	4.500000	0.001753	PASS
DC_13A_n7A	15	5+5	DFT-QPSK	M+H	Outer_Full	NV	0	0.980000	0.000382	PASS
DC_13A_n7A	15	5+5	DFT-QPSK	M+H	Outer_Full	NV	10	2.740000	0.001067	PASS
DC_13A_n7A	15	5+5	DFT-QPSK	M+H	Outer_Full	NV	20	5.460000	0.002127	PASS
DC_13A_n7A	15	5+5	DFT-QPSK	M+H	Outer_Full	NV	30	6.140000	0.002391	PASS
DC_13A_n7A	15	5+5	DFT-QPSK	M+H	Outer_Full	NV	40	5.150000	0.002006	PASS
DC_13A_n7A	15	5+5	DFT-QPSK	M+H	Outer_Full	NV	50	5.250000	0.002045	PASS
DC_13A_n7A	15	5+5	DFT-16QAM	M+H	Outer_Full	NV	-30	4.040000	0.001574	PASS
DC_13A_n7A	15	5+5	DFT-16QAM	M+H	Outer_Full	NV	-20	1.220000	0.000475	PASS
DC_13A	15	5+5	DFT-16QAM	M+H	Outer_Full	NV	-10	1.090000	0.000425	PASS

_n7A										
DC_13A_n7A	15	5+5	DFT-16QAM	M+H	Outer_Full	NV	0	1.500000	0.000584	PASS
DC_13A_n7A	15	5+5	DFT-16QAM	M+H	Outer_Full	NV	10	9.410000	0.003665	PASS
DC_13A_n7A	15	5+5	DFT-16QAM	M+H	Outer_Full	NV	20	7.650000	0.002980	PASS
DC_13A_n7A	15	5+5	DFT-16QAM	M+H	Outer_Full	NV	30	-0.880000	-0.000343	PASS
DC_13A_n7A	15	5+5	DFT-16QAM	M+H	Outer_Full	NV	40	3.960000	0.001542	PASS
DC_13A_n7A	15	5+5	DFT-16QAM	M+H	Outer_Full	NV	50	4.120000	0.001605	PASS
DC_13A_n7A	15	5+10	DFT-QPSK	M+L	Outer_Full	NV	-30	-4.320000	-0.001725	PASS
DC_13A_n7A	15	5+10	DFT-QPSK	M+L	Outer_Full	NV	-20	-2.270000	-0.000906	PASS
DC_13A_n7A	15	5+10	DFT-QPSK	M+L	Outer_Full	NV	-10	-2.650000	-0.001058	PASS
DC_13A_n7A	15	5+10	DFT-QPSK	M+L	Outer_Full	NV	0	-5.960000	-0.002379	PASS
DC_13A_n7A	15	5+10	DFT-QPSK	M+L	Outer_Full	NV	10	-3.260000	-0.001301	PASS
DC_13A_n7A	15	5+10	DFT-QPSK	M+L	Outer_Full	NV	20	-0.780000	-0.000311	PASS
DC_13A_n7A	15	5+10	DFT-QPSK	M+L	Outer_Full	NV	30	-3.150000	-0.001257	PASS
DC_13A_n7A	15	5+10	DFT-QPSK	M+L	Outer_Full	NV	40	-5.090000	-0.002032	PASS
DC_13A_n7A	15	5+10	DFT-QPSK	M+L	Outer_Full	NV	50	-6.330000	-0.002527	PASS
DC_13A_n7A	15	5+10	DFT-16QAM	M+L	Outer_Full	NV	-30	-6.250000	-0.002495	PASS
DC_13A_n7A	15	5+10	DFT-16QAM	M+L	Outer_Full	NV	-20	-3.910000	-0.001561	PASS
DC_13A_n7A	15	5+10	DFT-16QAM	M+L	Outer_Full	NV	-10	-2.790000	-0.001114	PASS
DC_13A_n7A	15	5+10	DFT-16QAM	M+L	Outer_Full	NV	0	-0.540000	-0.000216	PASS
DC_13A_n7A	15	5+10	DFT-16QAM	M+L	Outer_Full	NV	10	-2.049999	-0.000818	PASS
DC_13A	15	5+10	DFT-16QAM	M+L	Outer_Full	NV	20	-2.560000	-0.001021	PASS

_n7A										
DC_13A_n7A	15	5+10	DFT-16QAM	M+L	Outer_Full	NV	30	-1.460000	-0.000583	PASS
DC_13A_n7A	15	5+10	DFT-16QAM	M+L	Outer_Full	NV	40	-3.250000	-0.001297	PASS
DC_13A_n7A	15	5+10	DFT-16QAM	M+L	Outer_Full	NV	50	0.420000	0.000168	PASS
DC_13A_n7A	15	5+10	DFT-QPSK	M+M	Outer_Full	NV	-30	-2.040000	-0.000805	PASS
DC_13A_n7A	15	5+10	DFT-QPSK	M+M	Outer_Full	NV	-20	-5.680000	-0.002241	PASS
DC_13A_n7A	15	5+10	DFT-QPSK	M+M	Outer_Full	NV	-10	-0.970000	-0.000383	PASS
DC_13A_n7A	15	5+10	DFT-QPSK	M+M	Outer_Full	NV	0	-1.540000	-0.000607	PASS
DC_13A_n7A	15	5+10	DFT-QPSK	M+M	Outer_Full	NV	10	-2.049999	-0.000809	PASS
DC_13A_n7A	15	5+10	DFT-QPSK	M+M	Outer_Full	NV	20	-4.820000	-0.001901	PASS
DC_13A_n7A	15	5+10	DFT-QPSK	M+M	Outer_Full	NV	30	-1.650000	-0.000651	PASS
DC_13A_n7A	15	5+10	DFT-QPSK	M+M	Outer_Full	NV	40	-3.080000	-0.001215	PASS
DC_13A_n7A	15	5+10	DFT-QPSK	M+M	Outer_Full	NV	50	-3.340000	-0.001318	PASS
DC_13A_n7A	15	5+10	DFT-16QAM	M+M	Outer_Full	NV	-30	-1.400000	-0.000552	PASS
DC_13A_n7A	15	5+10	DFT-16QAM	M+M	Outer_Full	NV	-20	-5.590000	-0.002205	PASS
DC_13A_n7A	15	5+10	DFT-16QAM	M+M	Outer_Full	NV	-10	-1.860000	-0.000734	PASS
DC_13A_n7A	15	5+10	DFT-16QAM	M+M	Outer_Full	NV	0	-5.240000	-0.002067	PASS
DC_13A_n7A	15	5+10	DFT-16QAM	M+M	Outer_Full	NV	10	-0.150000	-0.000059	PASS
DC_13A_n7A	15	5+10	DFT-16QAM	M+M	Outer_Full	NV	20	-5.080000	-0.002004	PASS
DC_13A_n7A	15	5+10	DFT-16QAM	M+M	Outer_Full	NV	30	-0.400000	-0.000158	PASS
DC_13A_n7A	15	5+10	DFT-16QAM	M+M	Outer_Full	NV	40	0.550000	0.000217	PASS
DC_13A	15	5+10	DFT-16QAM	M+M	Outer_Full	NV	50	-1.260000	-0.000497	PASS

_n7A										
DC_13A_n7A	15	5+10	DFT-QPSK	M+H	Outer_Full	NV	-30	0.430000	0.000168	PASS
DC_13A_n7A	15	5+10	DFT-QPSK	M+H	Outer_Full	NV	-20	-4.990000	-0.001945	PASS
DC_13A_n7A	15	5+10	DFT-QPSK	M+H	Outer_Full	NV	-10	2.640000	0.001029	PASS
DC_13A_n7A	15	5+10	DFT-QPSK	M+H	Outer_Full	NV	0	-2.230000	-0.000869	PASS
DC_13A_n7A	15	5+10	DFT-QPSK	M+H	Outer_Full	NV	10	-3.340000	-0.001302	PASS
DC_13A_n7A	15	5+10	DFT-QPSK	M+H	Outer_Full	NV	20	0.270000	0.000105	PASS
DC_13A_n7A	15	5+10	DFT-QPSK	M+H	Outer_Full	NV	30	-0.540000	-0.000211	PASS
DC_13A_n7A	15	5+10	DFT-QPSK	M+H	Outer_Full	NV	40	-4.470000	-0.001743	PASS
DC_13A_n7A	15	5+10	DFT-QPSK	M+H	Outer_Full	NV	50	-7.190000	-0.002803	PASS
DC_13A_n7A	15	5+10	DFT-16QAM	M+H	Outer_Full	NV	-30	-7.550000	-0.002943	PASS
DC_13A_n7A	15	5+10	DFT-16QAM	M+H	Outer_Full	NV	-20	-0.850000	-0.000331	PASS
DC_13A_n7A	15	5+10	DFT-16QAM	M+H	Outer_Full	NV	-10	-2.610000	-0.001018	PASS
DC_13A_n7A	15	5+10	DFT-16QAM	M+H	Outer_Full	NV	0	-2.380000	-0.000928	PASS
DC_13A_n7A	15	5+10	DFT-16QAM	M+H	Outer_Full	NV	10	-5.430000	-0.002117	PASS
DC_13A_n7A	15	5+10	DFT-16QAM	M+H	Outer_Full	NV	20	-0.730000	-0.000285	PASS
DC_13A_n7A	15	5+10	DFT-16QAM	M+H	Outer_Full	NV	30	-1.580000	-0.000616	PASS
DC_13A_n7A	15	5+10	DFT-16QAM	M+H	Outer_Full	NV	40	0.040000	0.000016	PASS
DC_13A_n7A	15	5+10	DFT-16QAM	M+H	Outer_Full	NV	50	-1.170000	-0.000456	PASS
DC_13A_n7A	15	5+15	DFT-QPSK	M+L	Outer_Full	NV	-30	-2.280000	-0.000909	PASS
DC_13A_n7A	15	5+15	DFT-QPSK	M+L	Outer_Full	NV	-20	-1.620000	-0.000646	PASS
DC_13A	15	5+15	DFT-QPSK	M+L	Outer_Full	NV	-10	-4.200000	-0.001675	PASS

_n7A										
DC_13A_n7A	15	5+15	DFT-QPSK	M+L	Outer_Full	NV	0	-1.960000	-0.000782	PASS
DC_13A_n7A	15	5+15	DFT-QPSK	M+L	Outer_Full	NV	10	-2.520000	-0.001005	PASS
DC_13A_n7A	15	5+15	DFT-QPSK	M+L	Outer_Full	NV	20	-1.470000	-0.000586	PASS
DC_13A_n7A	15	5+15	DFT-QPSK	M+L	Outer_Full	NV	30	0.500000	0.000199	PASS
DC_13A_n7A	15	5+15	DFT-QPSK	M+L	Outer_Full	NV	40	-0.380000	-0.000152	PASS
DC_13A_n7A	15	5+15	DFT-QPSK	M+L	Outer_Full	NV	50	-2.650000	-0.001057	PASS
DC_13A_n7A	15	5+15	DFT-16QAM	M+L	Outer_Full	NV	-30	-1.530000	-0.000610	PASS
DC_13A_n7A	15	5+15	DFT-16QAM	M+L	Outer_Full	NV	-20	-3.810000	-0.001519	PASS
DC_13A_n7A	15	5+15	DFT-16QAM	M+L	Outer_Full	NV	-10	-1.190000	-0.000475	PASS
DC_13A_n7A	15	5+15	DFT-16QAM	M+L	Outer_Full	NV	0	-3.230000	-0.001288	PASS
DC_13A_n7A	15	5+15	DFT-16QAM	M+L	Outer_Full	NV	10	-5.170000	-0.002062	PASS
DC_13A_n7A	15	5+15	DFT-16QAM	M+L	Outer_Full	NV	20	1.870000	0.000746	PASS
DC_13A_n7A	15	5+15	DFT-16QAM	M+L	Outer_Full	NV	30	-0.860000	-0.000343	PASS
DC_13A_n7A	15	5+15	DFT-16QAM	M+L	Outer_Full	NV	40	4.130000	0.001647	PASS
DC_13A_n7A	15	5+15	DFT-16QAM	M+L	Outer_Full	NV	50	-3.270000	-0.001304	PASS
DC_13A_n7A	15	5+15	DFT-QPSK	M+M	Outer_Full	NV	-30	-6.750000	-0.002663	PASS
DC_13A_n7A	15	5+15	DFT-QPSK	M+M	Outer_Full	NV	-20	-3.160000	-0.001247	PASS
DC_13A_n7A	15	5+15	DFT-QPSK	M+M	Outer_Full	NV	-10	-4.300000	-0.001696	PASS
DC_13A_n7A	15	5+15	DFT-QPSK	M+M	Outer_Full	NV	0	-7.820000	-0.003085	PASS
DC_13A_n7A	15	5+15	DFT-QPSK	M+M	Outer_Full	NV	10	-2.720000	-0.001073	PASS
DC_13A	15	5+15	DFT-QPSK	M+M	Outer_Full	NV	20	-2.830000	-0.001116	PASS

_n7A										
DC_13A_n7A	15	5+15	DFT-QPSK	M+M	Outer_Full	NV	30	-7.920000	-0.003124	PASS
DC_13A_n7A	15	5+15	DFT-QPSK	M+M	Outer_Full	NV	40	-5.960000	-0.002351	PASS
DC_13A_n7A	15	5+15	DFT-QPSK	M+M	Outer_Full	NV	50	-5.760000	-0.002272	PASS
DC_13A_n7A	15	5+15	DFT-16QAM	M+M	Outer_Full	NV	-30	-5.280000	-0.002083	PASS
DC_13A_n7A	15	5+15	DFT-16QAM	M+M	Outer_Full	NV	-20	-4.240000	-0.001673	PASS
DC_13A_n7A	15	5+15	DFT-16QAM	M+M	Outer_Full	NV	-10	-5.090000	-0.002007	PASS
DC_13A_n7A	15	5+15	DFT-16QAM	M+M	Outer_Full	NV	0	-5.930000	-0.002339	PASS
DC_13A_n7A	15	5+15	DFT-16QAM	M+M	Outer_Full	NV	10	-4.500000	-0.001775	PASS
DC_13A_n7A	15	5+15	DFT-16QAM	M+M	Outer_Full	NV	20	-3.980000	-0.001570	PASS
DC_13A_n7A	15	5+15	DFT-16QAM	M+M	Outer_Full	NV	30	-4.450000	-0.001755	PASS
DC_13A_n7A	15	5+15	DFT-16QAM	M+M	Outer_Full	NV	40	-6.870000	-0.002710	PASS
DC_13A_n7A	15	5+15	DFT-16QAM	M+M	Outer_Full	NV	50	-3.540000	-0.001396	PASS
DC_13A_n7A	15	5+15	DFT-QPSK	M+H	Outer_Full	NV	-30	-4.860000	-0.001897	PASS
DC_13A_n7A	15	5+15	DFT-QPSK	M+H	Outer_Full	NV	-20	-6.920000	-0.002700	PASS
DC_13A_n7A	15	5+15	DFT-QPSK	M+H	Outer_Full	NV	-10	-5.920000	-0.002310	PASS
DC_13A_n7A	15	5+15	DFT-QPSK	M+H	Outer_Full	NV	0	-4.790000	-0.001869	PASS
DC_13A_n7A	15	5+15	DFT-QPSK	M+H	Outer_Full	NV	10	-8.289999	-0.003235	PASS
DC_13A_n7A	15	5+15	DFT-QPSK	M+H	Outer_Full	NV	20	-6.500000	-0.002537	PASS
DC_13A_n7A	15	5+15	DFT-QPSK	M+H	Outer_Full	NV	30	-8.650000	-0.003376	PASS
DC_13A_n7A	15	5+15	DFT-QPSK	M+H	Outer_Full	NV	40	-2.870000	-0.001120	PASS
DC_13A	15	5+15	DFT-QPSK	M+H	Outer_Full	NV	50	-4.650000	-0.001815	PASS

_n7A										
DC_13A_n7A	15	5+15	DFT-16QAM	M+H	Outer_Full	NV	-30	-5.770000	-0.002252	PASS
DC_13A_n7A	15	5+15	DFT-16QAM	M+H	Outer_Full	NV	-20	-5.440000	-0.002123	PASS
DC_13A_n7A	15	5+15	DFT-16QAM	M+H	Outer_Full	NV	-10	-4.179999	-0.001631	PASS
DC_13A_n7A	15	5+15	DFT-16QAM	M+H	Outer_Full	NV	0	-8.189999	-0.003196	PASS
DC_13A_n7A	15	5+15	DFT-16QAM	M+H	Outer_Full	NV	10	-3.890000	-0.001518	PASS
DC_13A_n7A	15	5+15	DFT-16QAM	M+H	Outer_Full	NV	20	-3.600000	-0.001405	PASS
DC_13A_n7A	15	5+15	DFT-16QAM	M+H	Outer_Full	NV	30	-6.040000	-0.002357	PASS
DC_13A_n7A	15	5+15	DFT-16QAM	M+H	Outer_Full	NV	40	-2.660000	-0.001038	PASS
DC_13A_n7A	15	5+15	DFT-16QAM	M+H	Outer_Full	NV	50	-4.370000	-0.001705	PASS
DC_13A_n7A	15	5+20	DFT-QPSK	M+L	Outer_Full	NV	-30	-7.950000	-0.003167	PASS
DC_13A_n7A	15	5+20	DFT-QPSK	M+L	Outer_Full	NV	-20	-6.390000	-0.002546	PASS
DC_13A_n7A	15	5+20	DFT-QPSK	M+L	Outer_Full	NV	-10	-6.040000	-0.002406	PASS
DC_13A_n7A	15	5+20	DFT-QPSK	M+L	Outer_Full	NV	0	-4.430000	-0.001765	PASS
DC_13A_n7A	15	5+20	DFT-QPSK	M+L	Outer_Full	NV	10	-5.500000	-0.002191	PASS
DC_13A_n7A	15	5+20	DFT-QPSK	M+L	Outer_Full	NV	20	-11.230000	-0.004474	PASS
DC_13A_n7A	15	5+20	DFT-QPSK	M+L	Outer_Full	NV	30	-4.120000	-0.001641	PASS
DC_13A_n7A	15	5+20	DFT-QPSK	M+L	Outer_Full	NV	40	-6.160000	-0.002454	PASS
DC_13A_n7A	15	5+20	DFT-QPSK	M+L	Outer_Full	NV	50	-7.330000	-0.002920	PASS
DC_13A_n7A	15	5+20	DFT-16QAM	M+L	Outer_Full	NV	-30	-6.530000	-0.002602	PASS
DC_13A_n7A	15	5+20	DFT-16QAM	M+L	Outer_Full	NV	-20	-10.610000	-0.004227	PASS
DC_13A	15	5+20	DFT-16QAM	M+L	Outer_Full	NV	-10	-3.010000	-0.001199	PASS

_n7A										
DC_13A _n7A	15	5+20	DFT-16QAM	M+L	Outer_Full	NV	0	-6.510000	-0.002594	PASS
DC_13A _n7A	15	5+20	DFT-16QAM	M+L	Outer_Full	NV	10	-11.220000	-0.004470	PASS
DC_13A _n7A	15	5+20	DFT-16QAM	M+L	Outer_Full	NV	20	-7.520000	-0.002996	PASS
DC_13A _n7A	15	5+20	DFT-16QAM	M+L	Outer_Full	NV	30	-12.590000	-0.005016	PASS
DC_13A _n7A	15	5+20	DFT-16QAM	M+L	Outer_Full	NV	40	-8.480000	-0.003378	PASS
DC_13A _n7A	15	5+20	DFT-16QAM	M+L	Outer_Full	NV	50	-8.310000	-0.003311	PASS
DC_13A _n7A	15	5+20	DFT-QPSK	M+M	Outer_Full	NV	-30	-6.850000	-0.002702	PASS
DC_13A _n7A	15	5+20	DFT-QPSK	M+M	Outer_Full	NV	-20	-3.800000	-0.001499	PASS
DC_13A _n7A	15	5+20	DFT-QPSK	M+M	Outer_Full	NV	-10	-8.610000	-0.003396	PASS
DC_13A _n7A	15	5+20	DFT-QPSK	M+M	Outer_Full	NV	0	-7.810000	-0.003081	PASS
DC_13A _n7A	15	5+20	DFT-QPSK	M+M	Outer_Full	NV	10	-6.440000	-0.002540	PASS
DC_13A _n7A	15	5+20	DFT-QPSK	M+M	Outer_Full	NV	20	-3.720000	-0.001467	PASS
DC_13A _n7A	15	5+20	DFT-QPSK	M+M	Outer_Full	NV	30	-3.480000	-0.001373	PASS
DC_13A _n7A	15	5+20	DFT-QPSK	M+M	Outer_Full	NV	40	-7.700000	-0.003037	PASS
DC_13A _n7A	15	5+20	DFT-QPSK	M+M	Outer_Full	NV	50	-6.380000	-0.002517	PASS
DC_13A _n7A	15	5+20	DFT-16QAM	M+M	Outer_Full	NV	-30	-3.540000	-0.001396	PASS
DC_13A _n7A	15	5+20	DFT-16QAM	M+M	Outer_Full	NV	-20	-6.350000	-0.002505	PASS
DC_13A _n7A	15	5+20	DFT-16QAM	M+M	Outer_Full	NV	-10	-3.270000	-0.001290	PASS
DC_13A _n7A	15	5+20	DFT-16QAM	M+M	Outer_Full	NV	0	-6.330000	-0.002497	PASS
DC_13A _n7A	15	5+20	DFT-16QAM	M+M	Outer_Full	NV	10	-9.100000	-0.003590	PASS
DC_13A	15	5+20	DFT-16QAM	M+M	Outer_Full	NV	20	-3.850000	-0.001519	PASS

_n7A										
DC_13A_n7A	15	5+20	DFT-16QAM	M+M	Outer_Full	NV	30	-1.850000	-0.000730	PASS
DC_13A_n7A	15	5+20	DFT-16QAM	M+M	Outer_Full	NV	40	-7.760000	-0.003061	PASS
DC_13A_n7A	15	5+20	DFT-16QAM	M+M	Outer_Full	NV	50	-3.490000	-0.001377	PASS
DC_13A_n7A	15	5+20	DFT-QPSK	M+H	Outer_Full	NV	-30	-6.190000	-0.002418	PASS
DC_13A_n7A	15	5+20	DFT-QPSK	M+H	Outer_Full	NV	-20	-3.970000	-0.001551	PASS
DC_13A_n7A	15	5+20	DFT-QPSK	M+H	Outer_Full	NV	-10	-1.710000	-0.000668	PASS
DC_13A_n7A	15	5+20	DFT-QPSK	M+H	Outer_Full	NV	0	-0.650000	-0.000254	PASS
DC_13A_n7A	15	5+20	DFT-QPSK	M+H	Outer_Full	NV	10	-0.380000	-0.000148	PASS
DC_13A_n7A	15	5+20	DFT-QPSK	M+H	Outer_Full	NV	20	-0.350000	-0.000137	PASS
DC_13A_n7A	15	5+20	DFT-QPSK	M+H	Outer_Full	NV	30	-4.760000	-0.001859	PASS
DC_13A_n7A	15	5+20	DFT-QPSK	M+H	Outer_Full	NV	40	-5.650000	-0.002207	PASS
DC_13A_n7A	15	5+20	DFT-QPSK	M+H	Outer_Full	NV	50	-3.330000	-0.001301	PASS
DC_13A_n7A	15	5+20	DFT-16QAM	M+H	Outer_Full	NV	-30	-5.940000	-0.002320	PASS
DC_13A_n7A	15	5+20	DFT-16QAM	M+H	Outer_Full	NV	-20	-4.390000	-0.001715	PASS
DC_13A_n7A	15	5+20	DFT-16QAM	M+H	Outer_Full	NV	-10	-3.610000	-0.001410	PASS
DC_13A_n7A	15	5+20	DFT-16QAM	M+H	Outer_Full	NV	0	-3.270000	-0.001277	PASS
DC_13A_n7A	15	5+20	DFT-16QAM	M+H	Outer_Full	NV	10	-6.350000	-0.002480	PASS
DC_13A_n7A	15	5+20	DFT-16QAM	M+H	Outer_Full	NV	20	-4.550000	-0.001777	PASS
DC_13A_n7A	15	5+20	DFT-16QAM	M+H	Outer_Full	NV	30	-4.970000	-0.001941	PASS
DC_13A_n7A	15	5+20	DFT-16QAM	M+H	Outer_Full	NV	40	-0.720000	-0.000281	PASS
DC_13A	15	5+20	DFT-16QAM	M+H	Outer_Full	NV	50	0.050000	0.000020	PASS

_n7A										
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