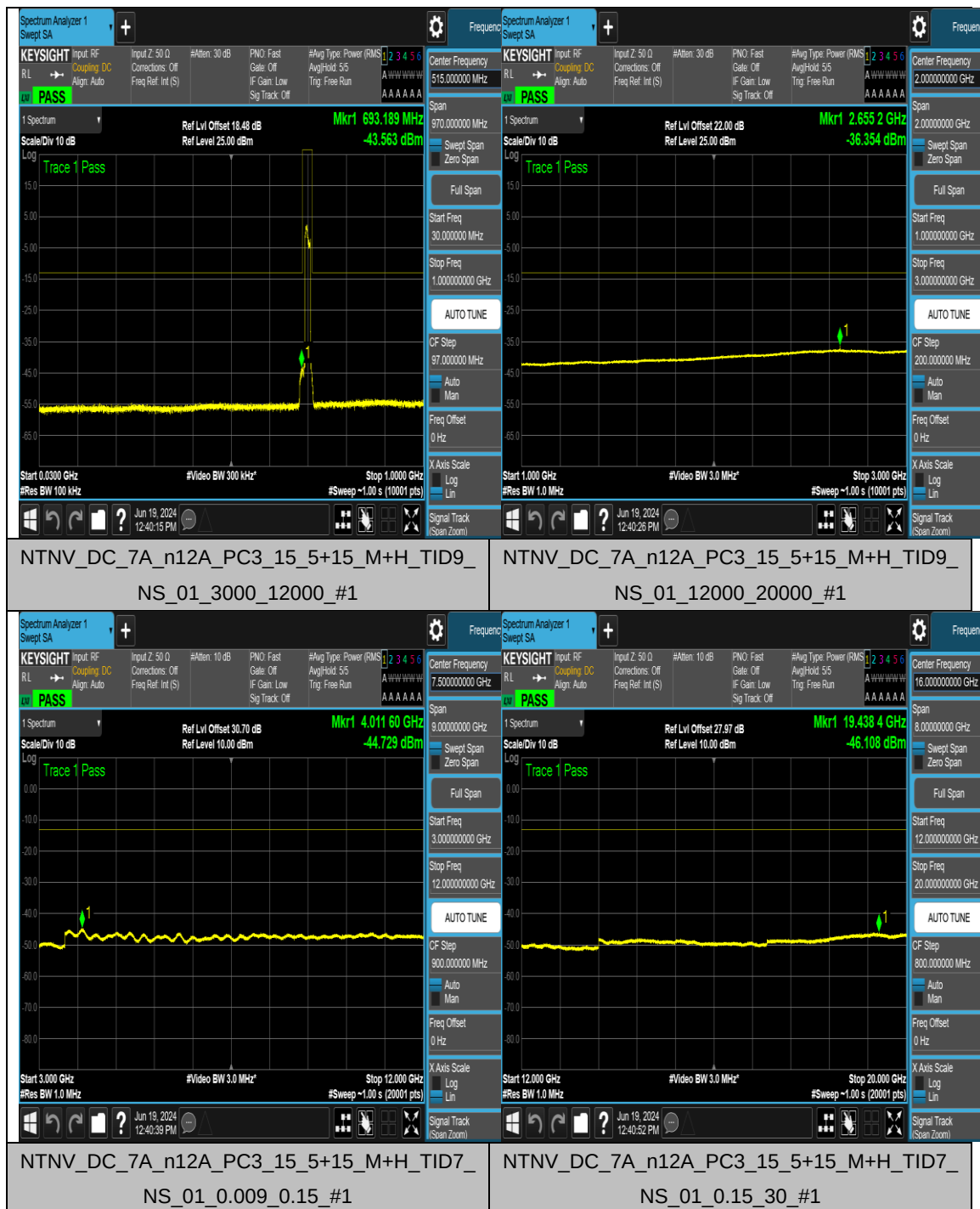
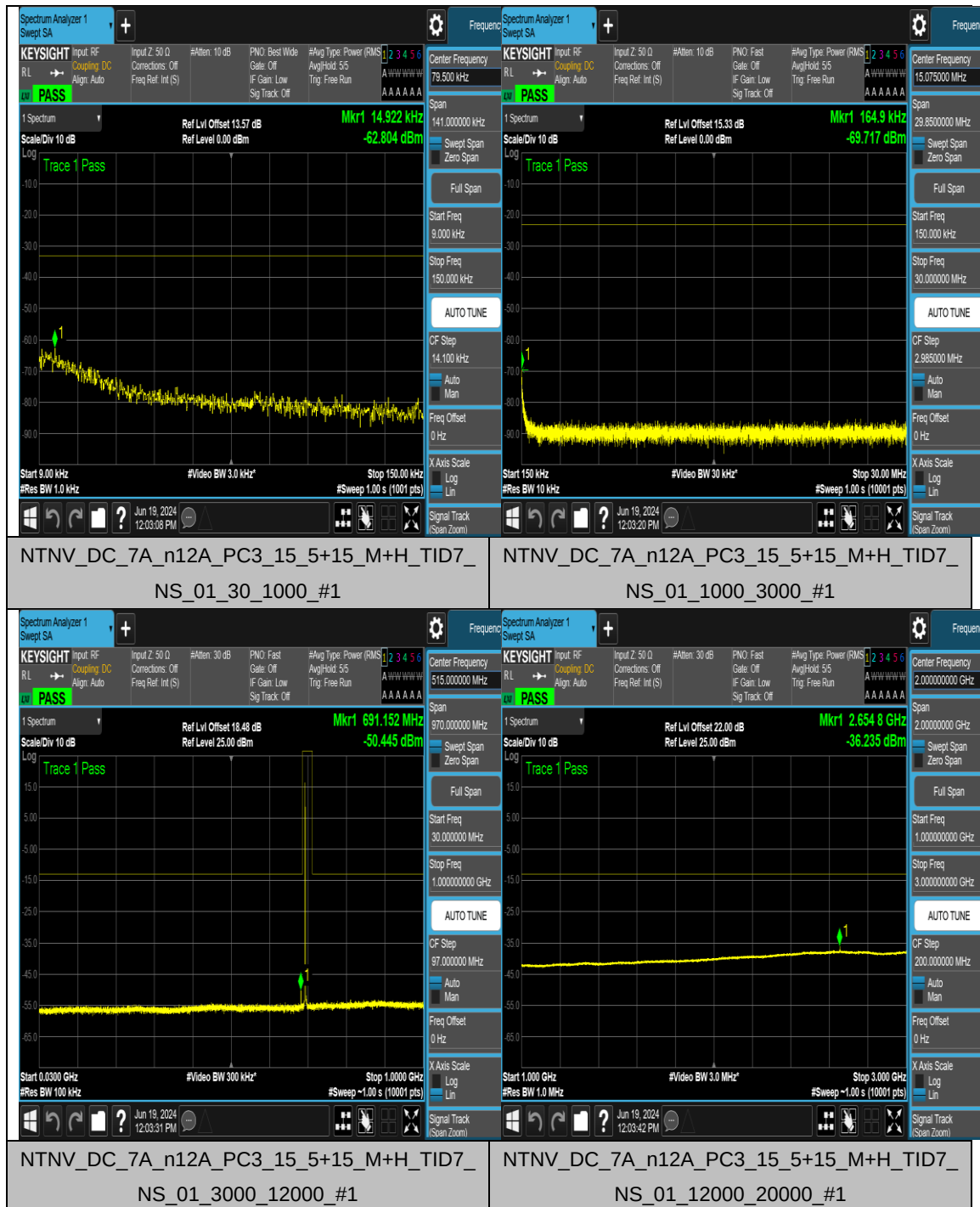
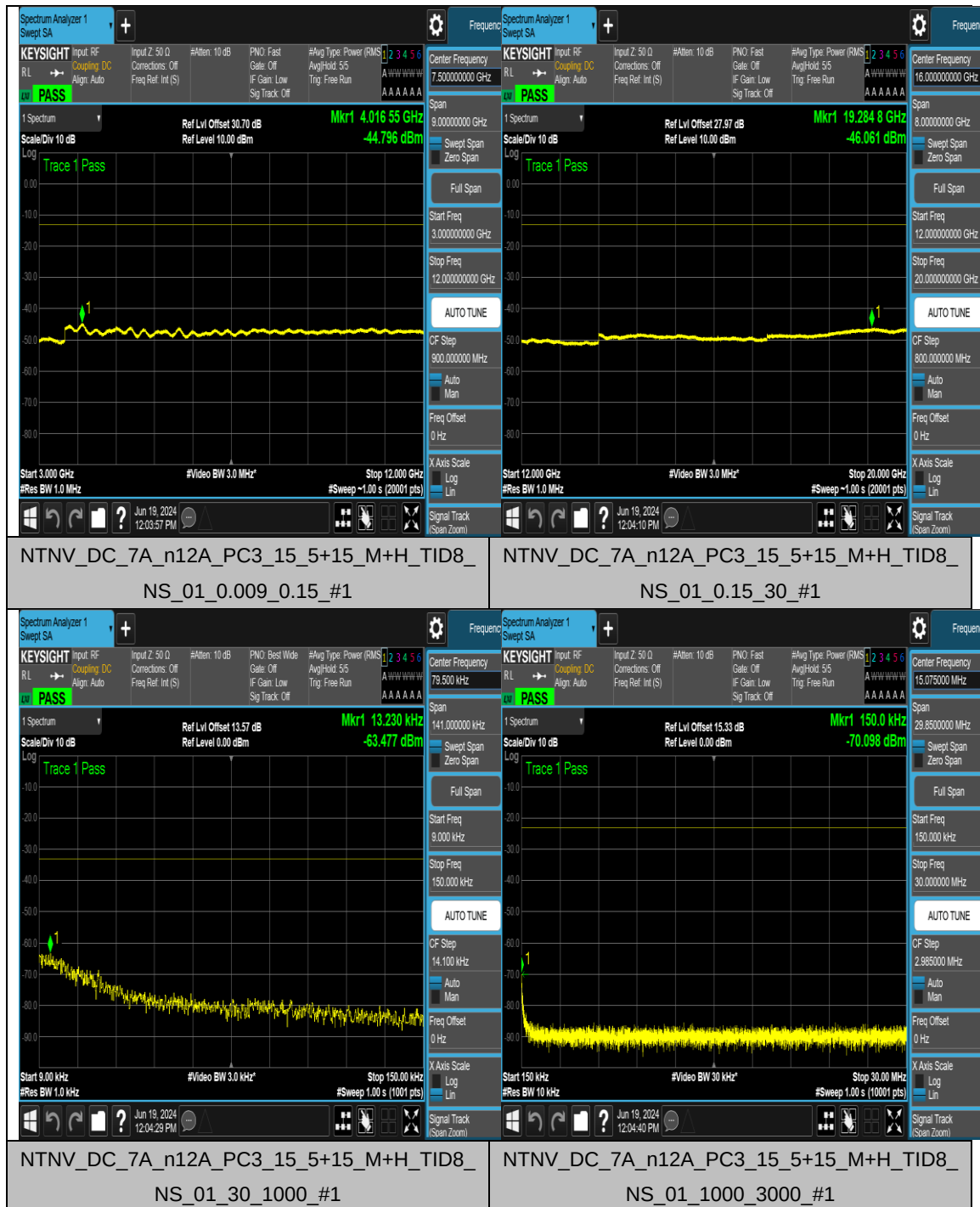










Appendix F: Frequency Stability for NSA

Test Result

Frequency Error VS. Voltage

Voltage										
Band	SCS	Bandwidth	Modulation	Channel	RB Config	Voltage	Temperature	Deviation(Hz)	Deviation (ppm)	Verdict
DC_7A_n12A	15	5+5	DFT-QPSK	M+L	Outer_Full	VL	NT	0.850000	0.001212	PASS
DC_7A_n12A	15	5+5	DFT-QPSK	M+L	Outer_Full	VN	NT	0.760000	0.001083	PASS
DC_7A_n12A	15	5+5	DFT-QPSK	M+L	Outer_Full	VH	NT	1.470000	0.002096	PASS
DC_7A_n12A	15	5+5	DFT-16QAM	M+L	Outer_Full	VL	NT	-0.260000	-0.000371	PASS
DC_7A_n12A	15	5+5	DFT-16QAM	M+L	Outer_Full	VN	NT	0.400000	0.000570	PASS
DC_7A_n12A	15	5+5	DFT-16QAM	M+L	Outer_Full	VH	NT	1.830000	0.002609	PASS
DC_7A_n12A	15	5+5	DFT-QPSK	M+M	Outer_Full	VL	NT	-0.430000	-0.000608	PASS
DC_7A_n12A	15	5+5	DFT-QPSK	M+M	Outer_Full	VN	NT	1.550000	0.002191	PASS
DC_7A_n12A	15	5+5	DFT-QPSK	M+M	Outer_Full	VH	NT	0.840000	0.001187	PASS
DC_7A_n12A	15	5+5	DFT-16QAM	M+M	Outer_Full	VL	NT	1.320000	0.001866	PASS
DC_7A_n12A	15	5+5	DFT-16QAM	M+M	Outer_Full	VN	NT	0.440000	0.000622	PASS
DC_7A_n12A	15	5+5	DFT-16QAM	M+M	Outer_Full	VH	NT	2.060000	0.002912	PASS
DC_7A_n12A	15	5+5	DFT-QPSK	M+H	Outer_Full	VL	NT	-1.100000	-0.001542	PASS
DC_7A_n12A	15	5+5	DFT-QPSK	M+H	Outer_Full	VN	NT	0.130000	0.000182	PASS
DC_7A_n12A	15	5+5	DFT-QPSK	M+H	Outer_Full	VH	NT	0.150000	0.000210	PASS
DC_7A_n12A	15	5+5	DFT-16QAM	M+H	Outer_Full	VL	NT	0.050000	0.000070	PASS
DC_7A_n12A	15	5+5	DFT-16QAM	M+H	Outer_Full	VN	NT	0.100000	0.000140	PASS

DC_7A_n12A	15	5+5	DFT-16QAM	M+H	Outer_Full	VH	NT	1.950000	0.002733	PASS
DC_7A_n12A	15	5+10	DFT-QPSK	M+L	Outer_Full	VL	NT	0.130000	0.000185	PASS
DC_7A_n12A	15	5+10	DFT-QPSK	M+L	Outer_Full	VN	NT	-1.440000	-0.002045	PASS
DC_7A_n12A	15	5+10	DFT-QPSK	M+L	Outer_Full	VH	NT	-0.490000	-0.000696	PASS
DC_7A_n12A	15	5+10	DFT-16QAM	M+L	Outer_Full	VL	NT	-0.740000	-0.001051	PASS
DC_7A_n12A	15	5+10	DFT-16QAM	M+L	Outer_Full	VN	NT	-1.060000	-0.001506	PASS
DC_7A_n12A	15	5+10	DFT-16QAM	M+L	Outer_Full	VH	NT	-0.520000	-0.000739	PASS
DC_7A_n12A	15	5+10	DFT-QPSK	M+M	Outer_Full	VL	NT	1.070000	0.001512	PASS
DC_7A_n12A	15	5+10	DFT-QPSK	M+M	Outer_Full	VN	NT	1.950000	0.002756	PASS
DC_7A_n12A	15	5+10	DFT-QPSK	M+M	Outer_Full	VH	NT	0.510000	0.000721	PASS
DC_7A_n12A	15	5+10	DFT-16QAM	M+M	Outer_Full	VL	NT	0.700000	0.000989	PASS
DC_7A_n12A	15	5+10	DFT-16QAM	M+M	Outer_Full	VN	NT	0.630000	0.000890	PASS
DC_7A_n12A	15	5+10	DFT-16QAM	M+M	Outer_Full	VH	NT	1.820000	0.002572	PASS
DC_7A_n12A	15	5+10	DFT-QPSK	M+H	Outer_Full	VL	NT	-4.190000	-0.005893	PASS
DC_7A_n12A	15	5+10	DFT-QPSK	M+H	Outer_Full	VN	NT	-3.710000	-0.005218	PASS
DC_7A_n12A	15	5+10	DFT-QPSK	M+H	Outer_Full	VH	NT	-1.980000	-0.002785	PASS
DC_7A_n12A	15	5+10	DFT-16QAM	M+H	Outer_Full	VL	NT	-2.810000	-0.003952	PASS
DC_7A_n12A	15	5+10	DFT-16QAM	M+H	Outer_Full	VN	NT	-4.470000	-0.006287	PASS
DC_7A_n12A	15	5+10	DFT-16QAM	M+H	Outer_Full	VH	NT	-2.990000	-0.004205	PASS
DC_7A_n12A	15	5+15	DFT-QPSK	M+L	Outer_Full	VL	NT	-7.630000	-0.010800	PASS
DC_7A_n12A	15	5+15	DFT-QPSK	M+L	Outer_Full	VN	NT	-8.720000	-0.012343	PASS

DC_7A_n12A	15	5+15	DFT-QPSK	M+L	Outer_Full	VH	NT	-6.800000	-0.009625	PASS
DC_7A_n12A	15	5+15	DFT-16QAM	M+L	Outer_Full	VL	NT	-6.400000	-0.009059	PASS
DC_7A_n12A	15	5+15	DFT-16QAM	M+L	Outer_Full	VN	NT	-8.400000	-0.011890	PASS
DC_7A_n12A	15	5+15	DFT-16QAM	M+L	Outer_Full	VH	NT	-6.810000	-0.009639	PASS
DC_7A_n12A	15	5+15	DFT-QPSK	M+M	Outer_Full	VL	NT	-2.350000	-0.003322	PASS
DC_7A_n12A	15	5+15	DFT-QPSK	M+M	Outer_Full	VN	NT	-3.590000	-0.005074	PASS
DC_7A_n12A	15	5+15	DFT-QPSK	M+M	Outer_Full	VH	NT	-3.300000	-0.004664	PASS
DC_7A_n12A	15	5+15	DFT-16QAM	M+M	Outer_Full	VL	NT	-3.630000	-0.005131	PASS
DC_7A_n12A	15	5+15	DFT-16QAM	M+M	Outer_Full	VN	NT	-1.860000	-0.002629	PASS
DC_7A_n12A	15	5+15	DFT-16QAM	M+M	Outer_Full	VH	NT	-3.600000	-0.005088	PASS
DC_7A_n12A	15	5+15	DFT-QPSK	M+H	Outer_Full	VL	NT	-5.310000	-0.007495	PASS
DC_7A_n12A	15	5+15	DFT-QPSK	M+H	Outer_Full	VN	NT	-4.139999	-0.005843	PASS
DC_7A_n12A	15	5+15	DFT-QPSK	M+H	Outer_Full	VH	NT	-6.020000	-0.008497	PASS
DC_7A_n12A	15	5+15	DFT-16QAM	M+H	Outer_Full	VL	NT	-4.650000	-0.006563	PASS
DC_7A_n12A	15	5+15	DFT-16QAM	M+H	Outer_Full	VN	NT	-4.890000	-0.006902	PASS
DC_7A_n12A	15	5+15	DFT-16QAM	M+H	Outer_Full	VH	NT	-4.610000	-0.006507	PASS

Frequency Error VS. Temperature

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	NV	-30	1.850000	0.002637	PASS
DC_7A_n12A	15	5+5	DFT-QPSK	M+L	Outer_Full	NV	-20	0.490000	0.000699	PASS
DC_7A_n12A	15	5+5	DFT-QPSK	M+L	Outer_Full	NV	-10	0.750000	0.001069	PASS

n12A										
DC_7A_ n12A	15	5+5	DFT-QPSK	M+L	Outer_Full	NV	0	0.920000	0.001311	PASS
DC_7A_ n12A	15	5+5	DFT-QPSK	M+L	Outer_Full	NV	10	-0.030000	-0.000043	PASS
DC_7A_ n12A	15	5+5	DFT-QPSK	M+L	Outer_Full	NV	20	-0.220000	-0.000314	PASS
DC_7A_ n12A	15	5+5	DFT-QPSK	M+L	Outer_Full	NV	30	-0.300000	-0.000428	PASS
DC_7A_ n12A	15	5+5	DFT-QPSK	M+L	Outer_Full	NV	40	-0.030000	-0.000043	PASS
DC_7A_ n12A	15	5+5	DFT-QPSK	M+L	Outer_Full	NV	50	-0.620000	-0.000884	PASS
DC_7A_ n12A	15	5+5	DFT-16QAM	M+L	Outer_Full	NV	-30	0.750000	0.001069	PASS
DC_7A_ n12A	15	5+5	DFT-16QAM	M+L	Outer_Full	NV	-20	-0.540000	-0.000770	PASS
DC_7A_ n12A	15	5+5	DFT-16QAM	M+L	Outer_Full	NV	-10	1.380000	0.001967	PASS
DC_7A_ n12A	15	5+5	DFT-16QAM	M+L	Outer_Full	NV	0	0.640000	0.000912	PASS
DC_7A_ n12A	15	5+5	DFT-16QAM	M+L	Outer_Full	NV	10	1.490000	0.002124	PASS
DC_7A_ n12A	15	5+5	DFT-16QAM	M+L	Outer_Full	NV	20	0.130000	0.000185	PASS
DC_7A_ n12A	15	5+5	DFT-16QAM	M+L	Outer_Full	NV	30	-0.440000	-0.000627	PASS
DC_7A_ n12A	15	5+5	DFT-16QAM	M+L	Outer_Full	NV	40	0.570000	0.000813	PASS
DC_7A_ n12A	15	5+5	DFT-16QAM	M+L	Outer_Full	NV	50	0.550000	0.000784	PASS
DC_7A_ n12A	15	5+5	DFT-QPSK	M+M	Outer_Full	NV	-30	1.690000	0.002389	PASS
DC_7A_ n12A	15	5+5	DFT-QPSK	M+M	Outer_Full	NV	-20	-0.120000	-0.000170	PASS
DC_7A_ n12A	15	5+5	DFT-QPSK	M+M	Outer_Full	NV	-10	-0.440000	-0.000622	PASS
DC_7A_ n12A	15	5+5	DFT-QPSK	M+M	Outer_Full	NV	0	0.950000	0.001343	PASS
DC_7A_ n12A	15	5+5	DFT-QPSK	M+M	Outer_Full	NV	10	0.920000	0.001300	PASS
DC_7A_ n12A	15	5+5	DFT-QPSK	M+M	Outer_Full	NV	20	0.680000	0.000961	PASS

n12A										
DC_7A_ n12A	15	5+5	DFT-QPSK	M+M	Outer_Full	NV	30	0.090000	0.000127	PASS
DC_7A_ n12A	15	5+5	DFT-QPSK	M+M	Outer_Full	NV	40	0.490000	0.000693	PASS
DC_7A_ n12A	15	5+5	DFT-QPSK	M+M	Outer_Full	NV	50	0.940000	0.001329	PASS
DC_7A_ n12A	15	5+5	DFT-16QAM	M+M	Outer_Full	NV	-30	0.380000	0.000537	PASS
DC_7A_ n12A	15	5+5	DFT-16QAM	M+M	Outer_Full	NV	-20	0.790000	0.001117	PASS
DC_7A_ n12A	15	5+5	DFT-16QAM	M+M	Outer_Full	NV	-10	1.380000	0.001951	PASS
DC_7A_ n12A	15	5+5	DFT-16QAM	M+M	Outer_Full	NV	0	1.590000	0.002247	PASS
DC_7A_ n12A	15	5+5	DFT-16QAM	M+M	Outer_Full	NV	10	0.470000	0.000664	PASS
DC_7A_ n12A	15	5+5	DFT-16QAM	M+M	Outer_Full	NV	20	0.860000	0.001216	PASS
DC_7A_ n12A	15	5+5	DFT-16QAM	M+M	Outer_Full	NV	30	1.030000	0.001456	PASS
DC_7A_ n12A	15	5+5	DFT-16QAM	M+M	Outer_Full	NV	40	1.220000	0.001724	PASS
DC_7A_ n12A	15	5+5	DFT-16QAM	M+M	Outer_Full	NV	50	0.570000	0.000806	PASS
DC_7A_ n12A	15	5+5	DFT-QPSK	M+H	Outer_Full	NV	-30	1.380000	0.001934	PASS
DC_7A_ n12A	15	5+5	DFT-QPSK	M+H	Outer_Full	NV	-20	0.790000	0.001107	PASS
DC_7A_ n12A	15	5+5	DFT-QPSK	M+H	Outer_Full	NV	-10	-0.620000	-0.000869	PASS
DC_7A_ n12A	15	5+5	DFT-QPSK	M+H	Outer_Full	NV	0	1.430000	0.002004	PASS
DC_7A_ n12A	15	5+5	DFT-QPSK	M+H	Outer_Full	NV	10	-1.360000	-0.001906	PASS
DC_7A_ n12A	15	5+5	DFT-QPSK	M+H	Outer_Full	NV	20	0.130000	0.000182	PASS
DC_7A_ n12A	15	5+5	DFT-QPSK	M+H	Outer_Full	NV	30	0.740000	0.001037	PASS
DC_7A_ n12A	15	5+5	DFT-QPSK	M+H	Outer_Full	NV	40	0.010000	0.000014	PASS
DC_7A_ n12A	15	5+5	DFT-QPSK	M+H	Outer_Full	NV	50	-0.750000	-0.001051	PASS

n12A										
DC_7A_ n12A	15	5+5	DFT-16QAM	M+H	Outer_Full	NV	-30	-0.440000	-0.000617	PASS
DC_7A_ n12A	15	5+5	DFT-16QAM	M+H	Outer_Full	NV	-20	-0.870000	-0.001219	PASS
DC_7A_ n12A	15	5+5	DFT-16QAM	M+H	Outer_Full	NV	-10	-0.210000	-0.000294	PASS
DC_7A_ n12A	15	5+5	DFT-16QAM	M+H	Outer_Full	NV	0	-0.570000	-0.000799	PASS
DC_7A_ n12A	15	5+5	DFT-16QAM	M+H	Outer_Full	NV	10	0.830000	0.001163	PASS
DC_7A_ n12A	15	5+5	DFT-16QAM	M+H	Outer_Full	NV	20	-0.990000	-0.001388	PASS
DC_7A_ n12A	15	5+5	DFT-16QAM	M+H	Outer_Full	NV	30	0.760000	0.001065	PASS
DC_7A_ n12A	15	5+5	DFT-16QAM	M+H	Outer_Full	NV	40	-0.140000	-0.000196	PASS
DC_7A_ n12A	15	5+5	DFT-16QAM	M+H	Outer_Full	NV	50	1.340000	0.001878	PASS
DC_7A_ n12A	15	5+10	DFT-QPSK	M+L	Outer_Full	NV	-30	-0.960000	-0.001364	PASS
DC_7A_ n12A	15	5+10	DFT-QPSK	M+L	Outer_Full	NV	-20	-0.200000	-0.000284	PASS
DC_7A_ n12A	15	5+10	DFT-QPSK	M+L	Outer_Full	NV	-10	0.080000	0.000114	PASS
DC_7A_ n12A	15	5+10	DFT-QPSK	M+L	Outer_Full	NV	0	-0.850000	-0.001207	PASS
DC_7A_ n12A	15	5+10	DFT-QPSK	M+L	Outer_Full	NV	10	-0.950000	-0.001349	PASS
DC_7A_ n12A	15	5+10	DFT-QPSK	M+L	Outer_Full	NV	20	-0.790000	-0.001122	PASS
DC_7A_ n12A	15	5+10	DFT-QPSK	M+L	Outer_Full	NV	30	-0.670000	-0.000952	PASS
DC_7A_ n12A	15	5+10	DFT-QPSK	M+L	Outer_Full	NV	40	-2.210000	-0.003139	PASS
DC_7A_ n12A	15	5+10	DFT-QPSK	M+L	Outer_Full	NV	50	-1.510000	-0.002145	PASS
DC_7A_ n12A	15	5+10	DFT-16QAM	M+L	Outer_Full	NV	-30	-1.130000	-0.001605	PASS
DC_7A_ n12A	15	5+10	DFT-16QAM	M+L	Outer_Full	NV	-20	0.100000	0.000142	PASS
DC_7A_ n12A	15	5+10	DFT-16QAM	M+L	Outer_Full	NV	-10	-0.010000	-0.000014	PASS

n12A										
DC_7A_ n12A	15	5+10	DFT-16QAM	M+L	Outer_Full	NV	0	-1.530000	-0.002173	PASS
DC_7A_ n12A	15	5+10	DFT-16QAM	M+L	Outer_Full	NV	10	-0.240000	-0.000341	PASS
DC_7A_ n12A	15	5+10	DFT-16QAM	M+L	Outer_Full	NV	20	-0.870000	-0.001236	PASS
DC_7A_ n12A	15	5+10	DFT-16QAM	M+L	Outer_Full	NV	30	-1.600000	-0.002273	PASS
DC_7A_ n12A	15	5+10	DFT-16QAM	M+L	Outer_Full	NV	40	-1.460000	-0.002074	PASS
DC_7A_ n12A	15	5+10	DFT-16QAM	M+L	Outer_Full	NV	50	0.150000	0.000213	PASS
DC_7A_ n12A	15	5+10	DFT-QPSK	M+M	Outer_Full	NV	-30	-0.310000	-0.000438	PASS
DC_7A_ n12A	15	5+10	DFT-QPSK	M+M	Outer_Full	NV	-20	-0.230000	-0.000325	PASS
DC_7A_ n12A	15	5+10	DFT-QPSK	M+M	Outer_Full	NV	-10	0.570000	0.000806	PASS
DC_7A_ n12A	15	5+10	DFT-QPSK	M+M	Outer_Full	NV	0	-0.210000	-0.000297	PASS
DC_7A_ n12A	15	5+10	DFT-QPSK	M+M	Outer_Full	NV	10	0.520000	0.000735	PASS
DC_7A_ n12A	15	5+10	DFT-QPSK	M+M	Outer_Full	NV	20	0.430000	0.000608	PASS
DC_7A_ n12A	15	5+10	DFT-QPSK	M+M	Outer_Full	NV	30	0.210000	0.000297	PASS
DC_7A_ n12A	15	5+10	DFT-QPSK	M+M	Outer_Full	NV	40	0.840000	0.001187	PASS
DC_7A_ n12A	15	5+10	DFT-QPSK	M+M	Outer_Full	NV	50	-0.760000	-0.001074	PASS
DC_7A_ n12A	15	5+10	DFT-16QAM	M+M	Outer_Full	NV	-30	0.870000	0.001230	PASS
DC_7A_ n12A	15	5+10	DFT-16QAM	M+M	Outer_Full	NV	-20	-0.230000	-0.000325	PASS
DC_7A_ n12A	15	5+10	DFT-16QAM	M+M	Outer_Full	NV	-10	0.370000	0.000523	PASS
DC_7A_ n12A	15	5+10	DFT-16QAM	M+M	Outer_Full	NV	0	-0.360000	-0.000509	PASS
DC_7A_ n12A	15	5+10	DFT-16QAM	M+M	Outer_Full	NV	10	1.530000	0.002163	PASS
DC_7A_ n12A	15	5+10	DFT-16QAM	M+M	Outer_Full	NV	20	-0.560000	-0.000792	PASS

n12A										
DC_7A_ n12A	15	5+10	DFT-16QAM	M+M	Outer_Full	NV	30	1.500000	0.002120	PASS
DC_7A_ n12A	15	5+10	DFT-16QAM	M+M	Outer_Full	NV	40	-1.330000	-0.001880	PASS
DC_7A_ n12A	15	5+10	DFT-16QAM	M+M	Outer_Full	NV	50	0.210000	0.000297	PASS
DC_7A_ n12A	15	5+10	DFT-QPSK	M+H	Outer_Full	NV	-30	-4.120000	-0.005795	PASS
DC_7A_ n12A	15	5+10	DFT-QPSK	M+H	Outer_Full	NV	-20	-3.140000	-0.004416	PASS
DC_7A_ n12A	15	5+10	DFT-QPSK	M+H	Outer_Full	NV	-10	-3.520000	-0.004951	PASS
DC_7A_ n12A	15	5+10	DFT-QPSK	M+H	Outer_Full	NV	0	-3.610000	-0.005077	PASS
DC_7A_ n12A	15	5+10	DFT-QPSK	M+H	Outer_Full	NV	10	-3.570000	-0.005021	PASS
DC_7A_ n12A	15	5+10	DFT-QPSK	M+H	Outer_Full	NV	20	-3.300000	-0.004641	PASS
DC_7A_ n12A	15	5+10	DFT-QPSK	M+H	Outer_Full	NV	30	-3.050000	-0.004290	PASS
DC_7A_ n12A	15	5+10	DFT-QPSK	M+H	Outer_Full	NV	40	-4.110000	-0.005781	PASS
DC_7A_ n12A	15	5+10	DFT-QPSK	M+H	Outer_Full	NV	50	-3.430000	-0.004824	PASS
DC_7A_ n12A	15	5+10	DFT-16QAM	M+H	Outer_Full	NV	-30	-3.660000	-0.005148	PASS
DC_7A_ n12A	15	5+10	DFT-16QAM	M+H	Outer_Full	NV	-20	-3.390000	-0.004768	PASS
DC_7A_ n12A	15	5+10	DFT-16QAM	M+H	Outer_Full	NV	-10	-4.090000	-0.005752	PASS
DC_7A_ n12A	15	5+10	DFT-16QAM	M+H	Outer_Full	NV	0	-2.860000	-0.004022	PASS
DC_7A_ n12A	15	5+10	DFT-16QAM	M+H	Outer_Full	NV	10	-4.250000	-0.005977	PASS
DC_7A_ n12A	15	5+10	DFT-16QAM	M+H	Outer_Full	NV	20	-3.620000	-0.005091	PASS
DC_7A_ n12A	15	5+10	DFT-16QAM	M+H	Outer_Full	NV	30	-3.610000	-0.005077	PASS
DC_7A_ n12A	15	5+10	DFT-16QAM	M+H	Outer_Full	NV	40	-4.780000	-0.006723	PASS
DC_7A_ n12A	15	5+10	DFT-16QAM	M+H	Outer_Full	NV	50	-4.590000	-0.006456	PASS

n12A										
DC_7A_ n12A	15	5+15	DFT-QPSK	M+L	Outer_Full	NV	-30	-8.230000	-0.011649	PASS
DC_7A_ n12A	15	5+15	DFT-QPSK	M+L	Outer_Full	NV	-20	-7.380000	-0.010446	PASS
DC_7A_ n12A	15	5+15	DFT-QPSK	M+L	Outer_Full	NV	-10	-7.290000	-0.010318	PASS
DC_7A_ n12A	15	5+15	DFT-QPSK	M+L	Outer_Full	NV	0	-7.740000	-0.010955	PASS
DC_7A_ n12A	15	5+15	DFT-QPSK	M+L	Outer_Full	NV	10	-6.750000	-0.009554	PASS
DC_7A_ n12A	15	5+15	DFT-QPSK	M+L	Outer_Full	NV	20	-6.690000	-0.009469	PASS
DC_7A_ n12A	15	5+15	DFT-QPSK	M+L	Outer_Full	NV	30	-8.039999	-0.011380	PASS
DC_7A_ n12A	15	5+15	DFT-QPSK	M+L	Outer_Full	NV	40	-6.140000	-0.008691	PASS
DC_7A_ n12A	15	5+15	DFT-QPSK	M+L	Outer_Full	NV	50	-7.160000	-0.010134	PASS
DC_7A_ n12A	15	5+15	DFT-16QAM	M+L	Outer_Full	NV	-30	-8.140000	-0.011522	PASS
DC_7A_ n12A	15	5+15	DFT-16QAM	M+L	Outer_Full	NV	-20	-7.100000	-0.010050	PASS
DC_7A_ n12A	15	5+15	DFT-16QAM	M+L	Outer_Full	NV	-10	-7.190000	-0.010177	PASS
DC_7A_ n12A	15	5+15	DFT-16QAM	M+L	Outer_Full	NV	0	-7.820000	-0.011069	PASS
DC_7A_ n12A	15	5+15	DFT-16QAM	M+L	Outer_Full	NV	10	-6.960000	-0.009851	PASS
DC_7A_ n12A	15	5+15	DFT-16QAM	M+L	Outer_Full	NV	20	-8.060000	-0.011408	PASS
DC_7A_ n12A	15	5+15	DFT-16QAM	M+L	Outer_Full	NV	30	-6.690000	-0.009469	PASS
DC_7A_ n12A	15	5+15	DFT-16QAM	M+L	Outer_Full	NV	40	-6.210000	-0.008790	PASS
DC_7A_ n12A	15	5+15	DFT-16QAM	M+L	Outer_Full	NV	50	-6.800000	-0.009625	PASS
DC_7A_ n12A	15	5+15	DFT-QPSK	M+M	Outer_Full	NV	-30	-3.560000	-0.005032	PASS
DC_7A_ n12A	15	5+15	DFT-QPSK	M+M	Outer_Full	NV	-20	-2.140000	-0.003025	PASS
DC_7A_ n12A	15	5+15	DFT-QPSK	M+M	Outer_Full	NV	-10	-3.190000	-0.004509	PASS

n12A										
DC_7A_ n12A	15	5+15	DFT-QPSK	M+M	Outer_Full	NV	0	-2.270000	-0.003208	PASS
DC_7A_ n12A	15	5+15	DFT-QPSK	M+M	Outer_Full	NV	10	-3.670000	-0.005187	PASS
DC_7A_ n12A	15	5+15	DFT-QPSK	M+M	Outer_Full	NV	20	-3.880000	-0.005484	PASS
DC_7A_ n12A	15	5+15	DFT-QPSK	M+M	Outer_Full	NV	30	-4.580000	-0.006473	PASS
DC_7A_ n12A	15	5+15	DFT-QPSK	M+M	Outer_Full	NV	40	-4.700000	-0.006643	PASS
DC_7A_ n12A	15	5+15	DFT-QPSK	M+M	Outer_Full	NV	50	-5.080000	-0.007180	PASS
DC_7A_ n12A	15	5+15	DFT-16QAM	M+M	Outer_Full	NV	-30	-4.200000	-0.005936	PASS
DC_7A_ n12A	15	5+15	DFT-16QAM	M+M	Outer_Full	NV	-20	-4.490000	-0.006346	PASS
DC_7A_ n12A	15	5+15	DFT-16QAM	M+M	Outer_Full	NV	-10	-4.380000	-0.006191	PASS
DC_7A_ n12A	15	5+15	DFT-16QAM	M+M	Outer_Full	NV	0	-3.440000	-0.004862	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	20	-2.770000	-0.003915	PASS
DC_7A_ n12A	15	5+15	DFT-16QAM	M+M	Outer_Full	NV	30	-2.870000	-0.004057	PASS
DC_7A_ n12A	15	5+15	DFT-16QAM	M+M	Outer_Full	NV	40	-3.790000	-0.005357	PASS
DC_7A_ n12A	15	5+15	DFT-16QAM	M+M	Outer_Full	NV	50	-4.059999	-0.005739	PASS
DC_7A_ n12A	15	5+15	DFT-QPSK	M+H	Outer_Full	NV	-30	-5.390000	-0.007608	PASS
DC_7A_ n12A	15	5+15	DFT-QPSK	M+H	Outer_Full	NV	-20	-5.350000	-0.007551	PASS
DC_7A_ n12A	15	5+15	DFT-QPSK	M+H	Outer_Full	NV	-10	-5.370000	-0.007579	PASS
DC_7A_ n12A	15	5+15	DFT-QPSK	M+H	Outer_Full	NV	0	-5.950000	-0.008398	PASS
DC_7A_ n12A	15	5+15	DFT-QPSK	M+H	Outer_Full	NV	10	-4.480000	-0.006323	PASS
DC_7A_ n12A	15	5+15	DFT-QPSK	M+H	Outer_Full	NV	20	-4.850000	-0.006845	PASS

n12A										
DC_7A_ n12A	15	5+15	DFT-QPSK	M+H	Outer_Full	NV	30	-5.150000	-0.007269	PASS
DC_7A_ n12A	15	5+15	DFT-QPSK	M+H	Outer_Full	NV	40	-4.480000	-0.006323	PASS
DC_7A_ n12A	15	5+15	DFT-QPSK	M+H	Outer_Full	NV	50	-4.400000	-0.006210	PASS
DC_7A_ n12A	15	5+15	DFT-16QAM	M+H	Outer_Full	NV	-30	-4.740000	-0.006690	PASS
DC_7A_ n12A	15	5+15	DFT-16QAM	M+H	Outer_Full	NV	-20	-3.990000	-0.005632	PASS
DC_7A_ n12A	15	5+15	DFT-16QAM	M+H	Outer_Full	NV	-10	-5.810000	-0.008200	PASS
DC_7A_ n12A	15	5+15	DFT-16QAM	M+H	Outer_Full	NV	0	-5.690000	-0.008031	PASS
DC_7A_ n12A	15	5+15	DFT-16QAM	M+H	Outer_Full	NV	10	-3.970000	-0.005603	PASS
DC_7A_ n12A	15	5+15	DFT-16QAM	M+H	Outer_Full	NV	20	-3.740000	-0.005279	PASS
DC_7A_ n12A	15	5+15	DFT-16QAM	M+H	Outer_Full	NV	30	-5.950000	-0.008398	PASS
DC_7A_ n12A	15	5+15	DFT-16QAM	M+H	Outer_Full	NV	40	-4.179999	-0.005900	PASS
DC_7A_ n12A	15	5+15	DFT-16QAM	M+H	Outer_Full	NV	50	-5.770000	-0.008144	PASS