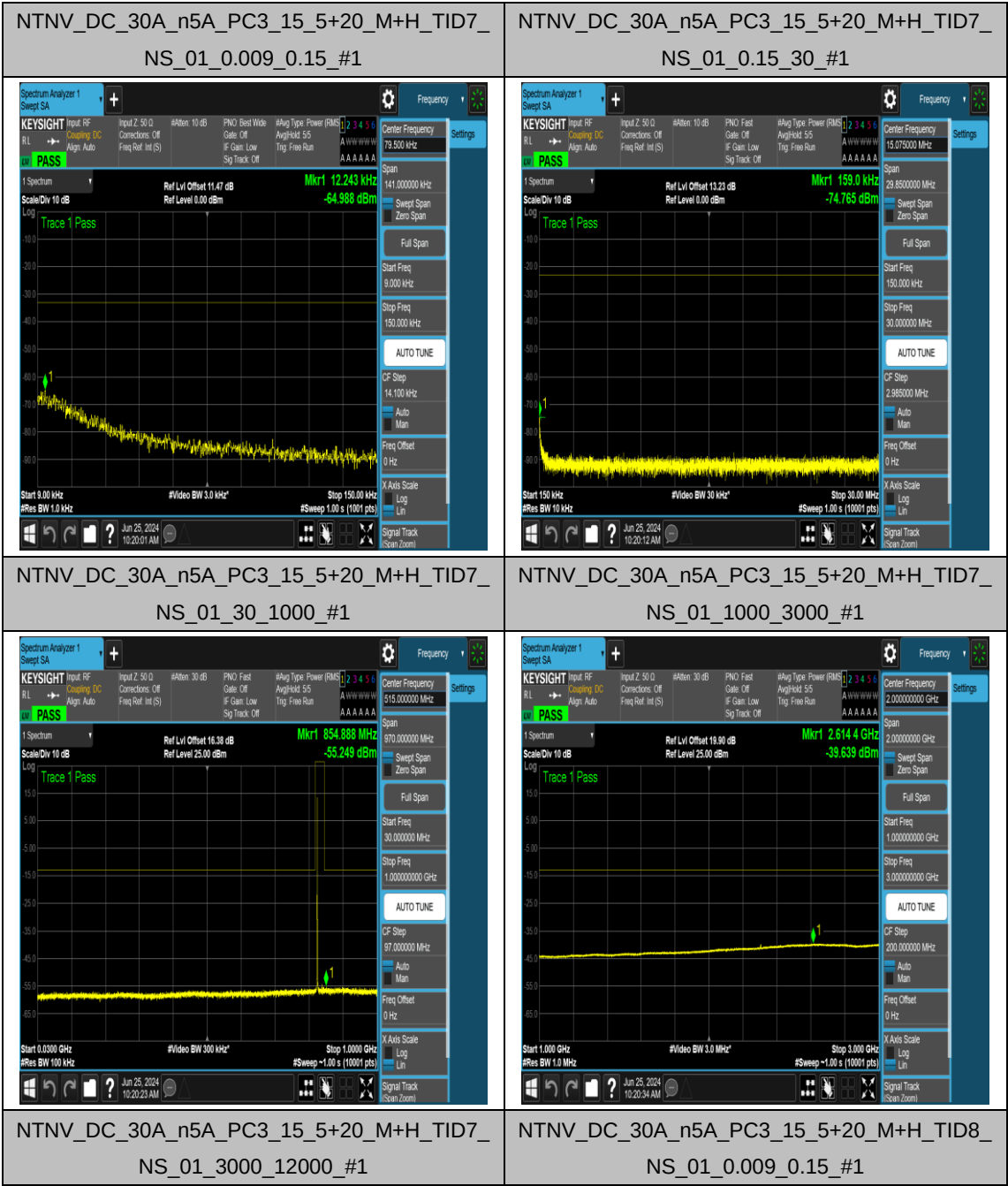
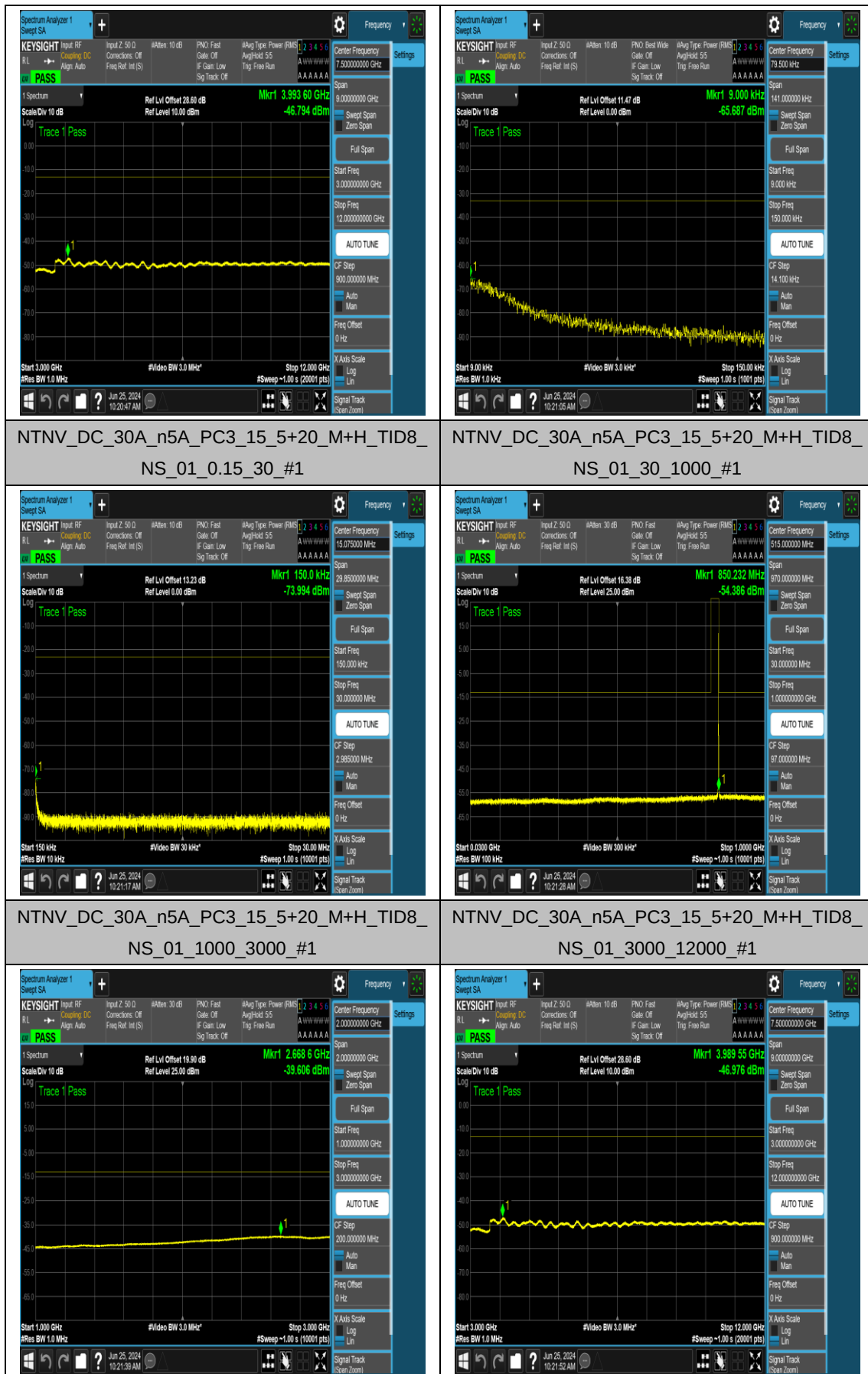






Appendix F: Frequency Stability for NSA

Test Result

Frequency Error VS. Voltage

Band	SCS	Bandwidth	Modulation	Channel	RB Config	Voltage	Temperature	Deviation(Hz)	Deviation (ppm)	Verdict
DC_30A_n5A	15	5+5	DFT-QPSK	M+L	Outer_Full	VL	NT	12.000000	0.014519	PASS
DC_30A_n5A	15	5+5	DFT-QPSK	M+L	Outer_Full	VN	NT	3.000000	0.003630	PASS
DC_30A_n5A	15	5+5	DFT-QPSK	M+L	Outer_Full	VH	NT	5.000000	0.006050	PASS
DC_30A_n5A	15	5+5	DFT-16QAM	M+L	Outer_Full	VL	NT	3.000000	0.003630	PASS
DC_30A_n5A	15	5+5	DFT-16QAM	M+L	Outer_Full	VN	NT	13.000000	0.015729	PASS
DC_30A_n5A	15	5+5	DFT-16QAM	M+L	Outer_Full	VH	NT	15.000000	0.018149	PASS
DC_30A_n5A	15	5+5	DFT-QPSK	M+M	Outer_Full	VL	NT	5.000000	0.005977	PASS
DC_30A_n5A	15	5+5	DFT-QPSK	M+M	Outer_Full	VN	NT	12.000000	0.014345	PASS
DC_30A_n5A	15	5+5	DFT-QPSK	M+M	Outer_Full	VH	NT	2.000000	0.002391	PASS
DC_30A_n5A	15	5+5	DFT-16QAM	M+M	Outer_Full	VL	NT	1.000000	0.001195	PASS
DC_30A_n5A	15	5+5	DFT-16QAM	M+M	Outer_Full	VN	NT	15.000000	0.017932	PASS
DC_30A_n5A	15	5+5	DFT-16QAM	M+M	Outer_Full	VH	NT	17.000000	0.020323	PASS
DC_30A_n5A	15	5+5	DFT-QPSK	M+H	Outer_Full	VL	NT	1.000000	0.001181	PASS
DC_30A_n5A	15	5+5	DFT-QPSK	M+H	Outer_Full	VN	NT	5.000000	0.005907	PASS
DC_30A_n5A	15	5+5	DFT-QPSK	M+H	Outer_Full	VH	NT	11.000000	0.012995	PASS
DC_30A_n5A	15	5+5	DFT-16QAM	M+H	Outer_Full	VL	NT	17.000000	0.020083	PASS
DC_30A_n5A	15	5+5	DFT-16QAM	M+H	Outer_Full	VN	NT	9.000000	0.010632	PASS
DC_30A	15	5+5	DFT-16QAM	M+H	Outer_Full	VH	NT	18.000000	0.021264	PASS

_n5A										
DC_30A_n5A	15	5+10	DFT-QPSK	M+L	Outer_Full	VL	NT	12.000000	0.014475	PASS
DC_30A_n5A	15	5+10	DFT-QPSK	M+L	Outer_Full	VN	NT	7.000000	0.008444	PASS
DC_30A_n5A	15	5+10	DFT-QPSK	M+L	Outer_Full	VH	NT	2.000000	0.002413	PASS
DC_30A_n5A	15	5+10	DFT-16QAM	M+L	Outer_Full	VL	NT	4.000000	0.004825	PASS
DC_30A_n5A	15	5+10	DFT-16QAM	M+L	Outer_Full	VN	NT	17.000000	0.020507	PASS
DC_30A_n5A	15	5+10	DFT-16QAM	M+L	Outer_Full	VH	NT	1.000000	0.001206	PASS
DC_30A_n5A	15	5+10	DFT-QPSK	M+M	Outer_Full	VL	NT	15.000000	0.017932	PASS
DC_30A_n5A	15	5+10	DFT-QPSK	M+M	Outer_Full	VN	NT	9.000000	0.010759	PASS
DC_30A_n5A	15	5+10	DFT-QPSK	M+M	Outer_Full	VH	NT	6.000000	0.007173	PASS
DC_30A_n5A	15	5+10	DFT-16QAM	M+M	Outer_Full	VL	NT	1.000000	0.001195	PASS
DC_30A_n5A	15	5+10	DFT-16QAM	M+M	Outer_Full	VN	NT	15.000000	0.017932	PASS
DC_30A_n5A	15	5+10	DFT-16QAM	M+M	Outer_Full	VH	NT	14.000000	0.016736	PASS
DC_30A_n5A	15	5+10	DFT-QPSK	M+H	Outer_Full	VL	NT	10.000000	0.011848	PASS
DC_30A_n5A	15	5+10	DFT-QPSK	M+H	Outer_Full	VN	NT	14.000000	0.016588	PASS
DC_30A_n5A	15	5+10	DFT-QPSK	M+H	Outer_Full	VH	NT	9.000000	0.010664	PASS
DC_30A_n5A	15	5+10	DFT-16QAM	M+H	Outer_Full	VL	NT	15.000000	0.017773	PASS
DC_30A_n5A	15	5+10	DFT-16QAM	M+H	Outer_Full	VN	NT	12.000000	0.014218	PASS
DC_30A_n5A	15	5+10	DFT-16QAM	M+H	Outer_Full	VH	NT	15.000000	0.017773	PASS
DC_30A_n5A	15	5+15	DFT-QPSK	M+L	Outer_Full	VL	NT	6.000000	0.007216	PASS
DC_30A_n5A	15	5+15	DFT-QPSK	M+L	Outer_Full	VN	NT	1.000000	0.001203	PASS
DC_30A	15	5+15	DFT-QPSK	M+L	Outer_Full	VH	NT	19.000000	0.022850	PASS

_n5A										
DC_30A_n5A	15	5+15	DFT-16QAM	M+L	Outer_Full	VL	NT	3.000000	0.003608	PASS
DC_30A_n5A	15	5+15	DFT-16QAM	M+L	Outer_Full	VN	NT	13.000000	0.015633	PASS
DC_30A_n5A	15	5+15	DFT-16QAM	M+L	Outer_Full	VH	NT	17.000000	0.020445	PASS
DC_30A_n5A	15	5+15	DFT-QPSK	M+M	Outer_Full	VL	NT	11.000000	0.013150	PASS
DC_30A_n5A	15	5+15	DFT-QPSK	M+M	Outer_Full	VN	NT	5.000000	0.005977	PASS
DC_30A_n5A	15	5+15	DFT-QPSK	M+M	Outer_Full	VH	NT	16.000000	0.019127	PASS
DC_30A_n5A	15	5+15	DFT-16QAM	M+M	Outer_Full	VL	NT	6.000000	0.007173	PASS
DC_30A_n5A	15	5+15	DFT-16QAM	M+M	Outer_Full	VN	NT	1.000000	0.001195	PASS
DC_30A_n5A	15	5+15	DFT-16QAM	M+M	Outer_Full	VH	NT	3.000000	0.003586	PASS
DC_30A_n5A	15	5+15	DFT-QPSK	M+H	Outer_Full	VL	NT	14.000000	0.016637	PASS
DC_30A_n5A	15	5+15	DFT-QPSK	M+H	Outer_Full	VN	NT	19.000000	0.022579	PASS
DC_30A_n5A	15	5+15	DFT-QPSK	M+H	Outer_Full	VH	NT	9.000000	0.010695	PASS
DC_30A_n5A	15	5+15	DFT-16QAM	M+H	Outer_Full	VL	NT	6.000000	0.007130	PASS
DC_30A_n5A	15	5+15	DFT-16QAM	M+H	Outer_Full	VN	NT	13.000000	0.015449	PASS
DC_30A_n5A	15	5+15	DFT-16QAM	M+H	Outer_Full	VH	NT	5.000000	0.005942	PASS
DC_30A_n5A	15	5+20	DFT-QPSK	M+L	Outer_Full	VL	NT	11.000000	0.013189	PASS
DC_30A_n5A	15	5+20	DFT-QPSK	M+L	Outer_Full	VN	NT	18.000000	0.021583	PASS
DC_30A_n5A	15	5+20	DFT-QPSK	M+L	Outer_Full	VH	NT	3.000000	0.003597	PASS
DC_30A_n5A	15	5+20	DFT-16QAM	M+L	Outer_Full	VL	NT	2.000000	0.002398	PASS
DC_30A_n5A	15	5+20	DFT-16QAM	M+L	Outer_Full	VN	NT	18.000000	0.021583	PASS
DC_30A	15	5+20	DFT-16QAM	M+L	Outer_Full	VH	NT	2.000000	0.002398	PASS

_n5A										
DC_30A_n5A	15	5+20	DFT-QPSK	M+M	Outer_Full	VL	NT	14.000000	0.016736	PASS
DC_30A_n5A	15	5+20	DFT-QPSK	M+M	Outer_Full	VN	NT	18.000000	0.021518	PASS
DC_30A_n5A	15	5+20	DFT-QPSK	M+M	Outer_Full	VH	NT	16.000000	0.019127	PASS
DC_30A_n5A	15	5+20	DFT-16QAM	M+M	Outer_Full	VL	NT	1.000000	0.001195	PASS
DC_30A_n5A	15	5+20	DFT-16QAM	M+M	Outer_Full	VN	NT	11.000000	0.013150	PASS
DC_30A_n5A	15	5+20	DFT-16QAM	M+M	Outer_Full	VH	NT	9.000000	0.010759	PASS
DC_30A_n5A	15	5+20	DFT-QPSK	M+H	Outer_Full	VL	NT	3.000000	0.003576	PASS
DC_30A_n5A	15	5+20	DFT-QPSK	M+H	Outer_Full	VN	NT	17.000000	0.020262	PASS
DC_30A_n5A	15	5+20	DFT-QPSK	M+H	Outer_Full	VH	NT	11.000000	0.013111	PASS
DC_30A_n5A	15	5+20	DFT-16QAM	M+H	Outer_Full	VL	NT	3.000000	0.003576	PASS
DC_30A_n5A	15	5+20	DFT-16QAM	M+H	Outer_Full	VN	NT	16.000000	0.019070	PASS
DC_30A_n5A	15	5+20	DFT-16QAM	M+H	Outer_Full	VH	NT	6.000000	0.007151	PASS

Frequency Error VS. Temperature

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	16.000000	0.019359	PASS
DC_30A_n5A	15	5+5	DFT-QPSK	M+L	Outer_Full	NV	-20	15.000000	0.018149	PASS
DC_30A_n5A	15	5+5	DFT-QPSK	M+L	Outer_Full	NV	-10	14.000000	0.016939	PASS
DC_30A_n5A	15	5+5	DFT-QPSK	M+L	Outer_Full	NV	0	16.000000	0.019359	PASS
DC_30A_n5A	15	5+5	DFT-QPSK	M+L	Outer_Full	NV	10	19.000000	0.022989	PASS
DC_30A_n5A	15	5+5	DFT-QPSK	M+L	Outer_Full	NV	20	6.000000	0.007260	PASS
DC_30A	15	5+5	DFT-QPSK	M+L	Outer_Full	NV	30	8.000000	0.009679	PASS

_n5A										
DC_30A_n5A	15	5+5	DFT-QPSK	M+L	Outer_Full	NV	40	7.000000	0.008469	PASS
DC_30A_n5A	15	5+5	DFT-QPSK	M+L	Outer_Full	NV	50	3.000000	0.003630	PASS
DC_30A_n5A	15	5+5	DFT-16QAM	M+L	Outer_Full	NV	-30	17.000000	0.020569	PASS
DC_30A_n5A	15	5+5	DFT-16QAM	M+L	Outer_Full	NV	-20	16.000000	0.019359	PASS
DC_30A_n5A	15	5+5	DFT-16QAM	M+L	Outer_Full	NV	-10	2.000000	0.002420	PASS
DC_30A_n5A	15	5+5	DFT-16QAM	M+L	Outer_Full	NV	0	1.000000	0.001210	PASS
DC_30A_n5A	15	5+5	DFT-16QAM	M+L	Outer_Full	NV	10	6.000000	0.007260	PASS
DC_30A_n5A	15	5+5	DFT-16QAM	M+L	Outer_Full	NV	20	17.000000	0.020569	PASS
DC_30A_n5A	15	5+5	DFT-16QAM	M+L	Outer_Full	NV	30	13.000000	0.015729	PASS
DC_30A_n5A	15	5+5	DFT-16QAM	M+L	Outer_Full	NV	40	19.000000	0.022989	PASS
DC_30A_n5A	15	5+5	DFT-16QAM	M+L	Outer_Full	NV	50	2.000000	0.002420	PASS
DC_30A_n5A	15	5+5	DFT-QPSK	M+M	Outer_Full	NV	-30	13.000000	0.015541	PASS
DC_30A_n5A	15	5+5	DFT-QPSK	M+M	Outer_Full	NV	-20	14.000000	0.016736	PASS
DC_30A_n5A	15	5+5	DFT-QPSK	M+M	Outer_Full	NV	-10	13.000000	0.015541	PASS
DC_30A_n5A	15	5+5	DFT-QPSK	M+M	Outer_Full	NV	0	12.000000	0.014345	PASS
DC_30A_n5A	15	5+5	DFT-QPSK	M+M	Outer_Full	NV	10	4.000000	0.004782	PASS
DC_30A_n5A	15	5+5	DFT-QPSK	M+M	Outer_Full	NV	20	10.000000	0.011955	PASS
DC_30A_n5A	15	5+5	DFT-QPSK	M+M	Outer_Full	NV	30	1.000000	0.001195	PASS
DC_30A_n5A	15	5+5	DFT-QPSK	M+M	Outer_Full	NV	40	3.000000	0.003586	PASS
DC_30A_n5A	15	5+5	DFT-QPSK	M+M	Outer_Full	NV	50	2.000000	0.002391	PASS
DC_30A	15	5+5	DFT-16QAM	M+M	Outer_Full	NV	-30	9.000000	0.010759	PASS

_n5A										
DC_30A_n5A	15	5+5	DFT-16QAM	M+M	Outer_Full	NV	-20	12.000000	0.014345	PASS
DC_30A_n5A	15	5+5	DFT-16QAM	M+M	Outer_Full	NV	-10	2.000000	0.002391	PASS
DC_30A_n5A	15	5+5	DFT-16QAM	M+M	Outer_Full	NV	0	13.000000	0.015541	PASS
DC_30A_n5A	15	5+5	DFT-16QAM	M+M	Outer_Full	NV	10	16.000000	0.019127	PASS
DC_30A_n5A	15	5+5	DFT-16QAM	M+M	Outer_Full	NV	20	6.000000	0.007173	PASS
DC_30A_n5A	15	5+5	DFT-16QAM	M+M	Outer_Full	NV	30	4.000000	0.004782	PASS
DC_30A_n5A	15	5+5	DFT-16QAM	M+M	Outer_Full	NV	40	7.000000	0.008368	PASS
DC_30A_n5A	15	5+5	DFT-16QAM	M+M	Outer_Full	NV	50	6.000000	0.007173	PASS
DC_30A_n5A	15	5+5	DFT-QPSK	M+H	Outer_Full	NV	-30	10.000000	0.011813	PASS
DC_30A_n5A	15	5+5	DFT-QPSK	M+H	Outer_Full	NV	-20	12.000000	0.014176	PASS
DC_30A_n5A	15	5+5	DFT-QPSK	M+H	Outer_Full	NV	-10	5.000000	0.005907	PASS
DC_30A_n5A	15	5+5	DFT-QPSK	M+H	Outer_Full	NV	0	5.000000	0.005907	PASS
DC_30A_n5A	15	5+5	DFT-QPSK	M+H	Outer_Full	NV	10	14.000000	0.016539	PASS
DC_30A_n5A	15	5+5	DFT-QPSK	M+H	Outer_Full	NV	20	16.000000	0.018901	PASS
DC_30A_n5A	15	5+5	DFT-QPSK	M+H	Outer_Full	NV	30	15.000000	0.017720	PASS
DC_30A_n5A	15	5+5	DFT-QPSK	M+H	Outer_Full	NV	40	6.000000	0.007088	PASS
DC_30A_n5A	15	5+5	DFT-QPSK	M+H	Outer_Full	NV	50	13.000000	0.015357	PASS
DC_30A_n5A	15	5+5	DFT-16QAM	M+H	Outer_Full	NV	-30	10.000000	0.011813	PASS
DC_30A_n5A	15	5+5	DFT-16QAM	M+H	Outer_Full	NV	-20	13.000000	0.015357	PASS
DC_30A_n5A	15	5+5	DFT-16QAM	M+H	Outer_Full	NV	-10	15.000000	0.017720	PASS
DC_30A	15	5+5	DFT-16QAM	M+H	Outer_Full	NV	0	9.000000	0.010632	PASS

_n5A										
DC_30A_n5A	15	5+5	DFT-16QAM	M+H	Outer_Full	NV	10	6.000000	0.007088	PASS
DC_30A_n5A	15	5+5	DFT-16QAM	M+H	Outer_Full	NV	20	5.000000	0.005907	PASS
DC_30A_n5A	15	5+5	DFT-16QAM	M+H	Outer_Full	NV	30	13.000000	0.015357	PASS
DC_30A_n5A	15	5+5	DFT-16QAM	M+H	Outer_Full	NV	40	13.000000	0.015357	PASS
DC_30A_n5A	15	5+5	DFT-16QAM	M+H	Outer_Full	NV	50	3.000000	0.003544	PASS
DC_30A_n5A	15	5+10	DFT-QPSK	M+L	Outer_Full	NV	-30	11.000000	0.013269	PASS
DC_30A_n5A	15	5+10	DFT-QPSK	M+L	Outer_Full	NV	-20	7.000000	0.008444	PASS
DC_30A_n5A	15	5+10	DFT-QPSK	M+L	Outer_Full	NV	-10	6.000000	0.007238	PASS
DC_30A_n5A	15	5+10	DFT-QPSK	M+L	Outer_Full	NV	0	15.000000	0.018094	PASS
DC_30A_n5A	15	5+10	DFT-QPSK	M+L	Outer_Full	NV	10	15.000000	0.018094	PASS
DC_30A_n5A	15	5+10	DFT-QPSK	M+L	Outer_Full	NV	20	4.000000	0.004825	PASS
DC_30A_n5A	15	5+10	DFT-QPSK	M+L	Outer_Full	NV	30	3.000000	0.003619	PASS
DC_30A_n5A	15	5+10	DFT-QPSK	M+L	Outer_Full	NV	40	2.000000	0.002413	PASS
DC_30A_n5A	15	5+10	DFT-QPSK	M+L	Outer_Full	NV	50	4.000000	0.004825	PASS
DC_30A_n5A	15	5+10	DFT-16QAM	M+L	Outer_Full	NV	-30	3.000000	0.003619	PASS
DC_30A_n5A	15	5+10	DFT-16QAM	M+L	Outer_Full	NV	-20	2.000000	0.002413	PASS
DC_30A_n5A	15	5+10	DFT-16QAM	M+L	Outer_Full	NV	-10	18.000000	0.021713	PASS
DC_30A_n5A	15	5+10	DFT-16QAM	M+L	Outer_Full	NV	0	19.000000	0.022919	PASS
DC_30A_n5A	15	5+10	DFT-16QAM	M+L	Outer_Full	NV	10	3.000000	0.003619	PASS
DC_30A_n5A	15	5+10	DFT-16QAM	M+L	Outer_Full	NV	20	9.000000	0.010856	PASS
DC_30A	15	5+10	DFT-16QAM	M+L	Outer_Full	NV	30	8.000000	0.009650	PASS

_n5A										
DC_30A_n5A	15	5+10	DFT-16QAM	M+L	Outer_Full	NV	40	10.000000	0.012063	PASS
DC_30A_n5A	15	5+10	DFT-16QAM	M+L	Outer_Full	NV	50	3.000000	0.003619	PASS
DC_30A_n5A	15	5+10	DFT-QPSK	M+M	Outer_Full	NV	-30	8.000000	0.009564	PASS
DC_30A_n5A	15	5+10	DFT-QPSK	M+M	Outer_Full	NV	-20	4.000000	0.004782	PASS
DC_30A_n5A	15	5+10	DFT-QPSK	M+M	Outer_Full	NV	-10	7.000000	0.008368	PASS
DC_30A_n5A	15	5+10	DFT-QPSK	M+M	Outer_Full	NV	0	13.000000	0.015541	PASS
DC_30A_n5A	15	5+10	DFT-QPSK	M+M	Outer_Full	NV	10	5.000000	0.005977	PASS
DC_30A_n5A	15	5+10	DFT-QPSK	M+M	Outer_Full	NV	20	8.000000	0.009564	PASS
DC_30A_n5A	15	5+10	DFT-QPSK	M+M	Outer_Full	NV	30	17.000000	0.020323	PASS
DC_30A_n5A	15	5+10	DFT-QPSK	M+M	Outer_Full	NV	40	16.000000	0.019127	PASS
DC_30A_n5A	15	5+10	DFT-QPSK	M+M	Outer_Full	NV	50	2.000000	0.002391	PASS
DC_30A_n5A	15	5+10	DFT-16QAM	M+M	Outer_Full	NV	-30	7.000000	0.008368	PASS
DC_30A_n5A	15	5+10	DFT-16QAM	M+M	Outer_Full	NV	-20	6.000000	0.007173	PASS
DC_30A_n5A	15	5+10	DFT-16QAM	M+M	Outer_Full	NV	-10	15.000000	0.017932	PASS
DC_30A_n5A	15	5+10	DFT-16QAM	M+M	Outer_Full	NV	0	18.000000	0.021518	PASS
DC_30A_n5A	15	5+10	DFT-16QAM	M+M	Outer_Full	NV	10	17.000000	0.020323	PASS
DC_30A_n5A	15	5+10	DFT-16QAM	M+M	Outer_Full	NV	20	19.000000	0.022714	PASS
DC_30A_n5A	15	5+10	DFT-16QAM	M+M	Outer_Full	NV	30	6.000000	0.007173	PASS
DC_30A_n5A	15	5+10	DFT-16QAM	M+M	Outer_Full	NV	40	8.000000	0.009564	PASS
DC_30A_n5A	15	5+10	DFT-16QAM	M+M	Outer_Full	NV	50	7.000000	0.008368	PASS
DC_30A	15	5+10	DFT-QPSK	M+H	Outer_Full	NV	-30	11.000000	0.013033	PASS

_n5A										
DC_30A_n5A	15	5+10	DFT-QPSK	M+H	Outer_Full	NV	-20	14.000000	0.016588	PASS
DC_30A_n5A	15	5+10	DFT-QPSK	M+H	Outer_Full	NV	-10	16.000000	0.018957	PASS
DC_30A_n5A	15	5+10	DFT-QPSK	M+H	Outer_Full	NV	0	15.000000	0.017773	PASS
DC_30A_n5A	15	5+10	DFT-QPSK	M+H	Outer_Full	NV	10	18.000000	0.021327	PASS
DC_30A_n5A	15	5+10	DFT-QPSK	M+H	Outer_Full	NV	20	17.000000	0.020142	PASS
DC_30A_n5A	15	5+10	DFT-QPSK	M+H	Outer_Full	NV	30	17.000000	0.020142	PASS
DC_30A_n5A	15	5+10	DFT-QPSK	M+H	Outer_Full	NV	40	13.000000	0.015403	PASS
DC_30A_n5A	15	5+10	DFT-QPSK	M+H	Outer_Full	NV	50	4.000000	0.004739	PASS
DC_30A_n5A	15	5+10	DFT-16QAM	M+H	Outer_Full	NV	-30	18.000000	0.021327	PASS
DC_30A_n5A	15	5+10	DFT-16QAM	M+H	Outer_Full	NV	-20	17.000000	0.020142	PASS
DC_30A_n5A	15	5+10	DFT-16QAM	M+H	Outer_Full	NV	-10	15.000000	0.017773	PASS
DC_30A_n5A	15	5+10	DFT-16QAM	M+H	Outer_Full	NV	0	3.000000	0.003555	PASS
DC_30A_n5A	15	5+10	DFT-16QAM	M+H	Outer_Full	NV	10	16.000000	0.018957	PASS
DC_30A_n5A	15	5+10	DFT-16QAM	M+H	Outer_Full	NV	20	1.000000	0.001185	PASS
DC_30A_n5A	15	5+10	DFT-16QAM	M+H	Outer_Full	NV	30	11.000000	0.013033	PASS
DC_30A_n5A	15	5+10	DFT-16QAM	M+H	Outer_Full	NV	40	10.000000	0.011848	PASS
DC_30A_n5A	15	5+10	DFT-16QAM	M+H	Outer_Full	NV	50	19.000000	0.022512	PASS
DC_30A_n5A	15	5+15	DFT-QPSK	M+L	Outer_Full	NV	-30	9.000000	0.010824	PASS
DC_30A_n5A	15	5+15	DFT-QPSK	M+L	Outer_Full	NV	-20	7.000000	0.008419	PASS
DC_30A_n5A	15	5+15	DFT-QPSK	M+L	Outer_Full	NV	-10	2.000000	0.002405	PASS
DC_30A	15	5+15	DFT-QPSK	M+L	Outer_Full	NV	0	1.000000	0.001203	PASS

_n5A										
DC_30A_n5A	15	5+15	DFT-QPSK	M+L	Outer_Full	NV	10	10.000000	0.012026	PASS
DC_30A_n5A	15	5+15	DFT-QPSK	M+L	Outer_Full	NV	20	6.000000	0.007216	PASS
DC_30A_n5A	15	5+15	DFT-QPSK	M+L	Outer_Full	NV	30	5.000000	0.006013	PASS
DC_30A_n5A	15	5+15	DFT-QPSK	M+L	Outer_Full	NV	40	14.000000	0.016837	PASS
DC_30A_n5A	15	5+15	DFT-QPSK	M+L	Outer_Full	NV	50	16.000000	0.019242	PASS
DC_30A_n5A	15	5+15	DFT-16QAM	M+L	Outer_Full	NV	-30	4.000000	0.004811	PASS
DC_30A_n5A	15	5+15	DFT-16QAM	M+L	Outer_Full	NV	-20	7.000000	0.008419	PASS
DC_30A_n5A	15	5+15	DFT-16QAM	M+L	Outer_Full	NV	-10	6.000000	0.007216	PASS
DC_30A_n5A	15	5+15	DFT-16QAM	M+L	Outer_Full	NV	0	15.000000	0.018040	PASS
DC_30A_n5A	15	5+15	DFT-16QAM	M+L	Outer_Full	NV	10	15.000000	0.018040	PASS
DC_30A_n5A	15	5+15	DFT-16QAM	M+L	Outer_Full	NV	20	2.000000	0.002405	PASS
DC_30A_n5A	15	5+15	DFT-16QAM	M+L	Outer_Full	NV	30	9.000000	0.010824	PASS
DC_30A_n5A	15	5+15	DFT-16QAM	M+L	Outer_Full	NV	40	8.000000	0.009621	PASS
DC_30A_n5A	15	5+15	DFT-16QAM	M+L	Outer_Full	NV	50	18.000000	0.021648	PASS
DC_30A_n5A	15	5+15	DFT-QPSK	M+M	Outer_Full	NV	-30	18.000000	0.021518	PASS
DC_30A_n5A	15	5+15	DFT-QPSK	M+M	Outer_Full	NV	-20	11.000000	0.013150	PASS
DC_30A_n5A	15	5+15	DFT-QPSK	M+M	Outer_Full	NV	-10	17.000000	0.020323	PASS
DC_30A_n5A	15	5+15	DFT-QPSK	M+M	Outer_Full	NV	0	7.000000	0.008368	PASS
DC_30A_n5A	15	5+15	DFT-QPSK	M+M	Outer_Full	NV	10	3.000000	0.003586	PASS
DC_30A_n5A	15	5+15	DFT-QPSK	M+M	Outer_Full	NV	20	6.000000	0.007173	PASS
DC_30A	15	5+15	DFT-QPSK	M+M	Outer_Full	NV	30	11.000000	0.013150	PASS

_n5A										
DC_30A_n5A	15	5+15	DFT-QPSK	M+M	Outer_Full	NV	40	10.000000	0.011955	PASS
DC_30A_n5A	15	5+15	DFT-QPSK	M+M	Outer_Full	NV	50	10.000000	0.011955	PASS
DC_30A_n5A	15	5+15	DFT-16QAM	M+M	Outer_Full	NV	-30	5.000000	0.005977	PASS
DC_30A_n5A	15	5+15	DFT-16QAM	M+M	Outer_Full	NV	-20	8.000000	0.009564	PASS
DC_30A_n5A	15	5+15	DFT-16QAM	M+M	Outer_Full	NV	-10	7.000000	0.008368	PASS
DC_30A_n5A	15	5+15	DFT-16QAM	M+M	Outer_Full	NV	0	6.000000	0.007173	PASS
DC_30A_n5A	15	5+15	DFT-16QAM	M+M	Outer_Full	NV	10	11.000000	0.013150	PASS
DC_30A_n5A	15	5+15	DFT-16QAM	M+M	Outer_Full	NV	20	10.000000	0.011955	PASS
DC_30A_n5A	15	5+15	DFT-16QAM	M+M	Outer_Full	NV	30	14.000000	0.016736	PASS
DC_30A_n5A	15	5+15	DFT-16QAM	M+M	Outer_Full	NV	40	4.000000	0.004782	PASS
DC_30A_n5A	15	5+15	DFT-16QAM	M+M	Outer_Full	NV	50	3.000000	0.003586	PASS
DC_30A_n5A	15	5+15	DFT-QPSK	M+H	Outer_Full	NV	-30	1.000000	0.001188	PASS
DC_30A_n5A	15	5+15	DFT-QPSK	M+H	Outer_Full	NV	-20	4.000000	0.004753	PASS
DC_30A_n5A	15	5+15	DFT-QPSK	M+H	Outer_Full	NV	-10	10.000000	0.011884	PASS
DC_30A_n5A	15	5+15	DFT-QPSK	M+H	Outer_Full	NV	0	19.000000	0.022579	PASS
DC_30A_n5A	15	5+15	DFT-QPSK	M+H	Outer_Full	NV	10	15.000000	0.017825	PASS
DC_30A_n5A	15	5+15	DFT-QPSK	M+H	Outer_Full	NV	20	14.000000	0.016637	PASS
DC_30A_n5A	15	5+15	DFT-QPSK	M+H	Outer_Full	NV	30	1.000000	0.001188	PASS
DC_30A_n5A	15	5+15	DFT-QPSK	M+H	Outer_Full	NV	40	3.000000	0.003565	PASS
DC_30A_n5A	15	5+15	DFT-QPSK	M+H	Outer_Full	NV	50	3.000000	0.003565	PASS
DC_30A	15	5+15	DFT-16QAM	M+H	Outer_Full	NV	-30	7.000000	0.008318	PASS

_n5A										
DC_30A_n5A	15	5+15	DFT-16QAM	M+H	Outer_Full	NV	-20	7.000000	0.008318	PASS
DC_30A_n5A	15	5+15	DFT-16QAM	M+H	Outer_Full	NV	-10	13.000000	0.015449	PASS
DC_30A_n5A	15	5+15	DFT-16QAM	M+H	Outer_Full	NV	0	8.000000	0.009507	PASS
DC_30A_n5A	15	5+15	DFT-16QAM	M+H	Outer_Full	NV	10	10.000000	0.011884	PASS
DC_30A_n5A	15	5+15	DFT-16QAM	M+H	Outer_Full	NV	20	13.000000	0.015449	PASS
DC_30A_n5A	15	5+15	DFT-16QAM	M+H	Outer_Full	NV	30	5.000000	0.005942	PASS
DC_30A_n5A	15	5+15	DFT-16QAM	M+H	Outer_Full	NV	40	15.000000	0.017825	PASS
DC_30A_n5A	15	5+15	DFT-16QAM	M+H	Outer_Full	NV	50	3.000000	0.003565	PASS
DC_30A_n5A	15	5+20	DFT-QPSK	M+L	Outer_Full	NV	-30	14.000000	0.016787	PASS
DC_30A_n5A	15	5+20	DFT-QPSK	M+L	Outer_Full	NV	-20	7.000000	0.008393	PASS
DC_30A_n5A	15	5+20	DFT-QPSK	M+L	Outer_Full	NV	-10	6.000000	0.007194	PASS
DC_30A_n5A	15	5+20	DFT-QPSK	M+L	Outer_Full	NV	0	9.000000	0.010791	PASS
DC_30A_n5A	15	5+20	DFT-QPSK	M+L	Outer_Full	NV	10	5.000000	0.005995	PASS
DC_30A_n5A	15	5+20	DFT-QPSK	M+L	Outer_Full	NV	20	14.000000	0.016787	PASS
DC_30A_n5A	15	5+20	DFT-QPSK	M+L	Outer_Full	NV	30	9.000000	0.010791	PASS
DC_30A_n5A	15	5+20	DFT-QPSK	M+L	Outer_Full	NV	40	18.000000	0.021583	PASS
DC_30A_n5A	15	5+20	DFT-QPSK	M+L	Outer_Full	NV	50	11.000000	0.013189	PASS
DC_30A_n5A	15	5+20	DFT-16QAM	M+L	Outer_Full	NV	-30	4.000000	0.004796	PASS
DC_30A_n5A	15	5+20	DFT-16QAM	M+L	Outer_Full	NV	-20	1.000000	0.001199	PASS
DC_30A_n5A	15	5+20	DFT-16QAM	M+L	Outer_Full	NV	-10	5.000000	0.005995	PASS
DC_30A	15	5+20	DFT-16QAM	M+L	Outer_Full	NV	0	4.000000	0.004796	PASS

_n5A										
DC_30A_n5A	15	5+20	DFT-16QAM	M+L	Outer_Full	NV	10	17.000000	0.020384	PASS
DC_30A_n5A	15	5+20	DFT-16QAM	M+L	Outer_Full	NV	20	1.000000	0.001199	PASS
DC_30A_n5A	15	5+20	DFT-16QAM	M+L	Outer_Full	NV	30	19.000000	0.022782	PASS
DC_30A_n5A	15	5+20	DFT-16QAM	M+L	Outer_Full	NV	40	3.000000	0.003597	PASS
DC_30A_n5A	15	5+20	DFT-16QAM	M+L	Outer_Full	NV	50	9.000000	0.010791	PASS
DC_30A_n5A	15	5+20	DFT-QPSK	M+M	Outer_Full	NV	-30	6.000000	0.007173	PASS
DC_30A_n5A	15	5+20	DFT-QPSK	M+M	Outer_Full	NV	-20	1.000000	0.001195	PASS
DC_30A_n5A	15	5+20	DFT-QPSK	M+M	Outer_Full	NV	-10	19.000000	0.022714	PASS
DC_30A_n5A	15	5+20	DFT-QPSK	M+M	Outer_Full	NV	0	7.000000	0.008368	PASS
DC_30A_n5A	15	5+20	DFT-QPSK	M+M	Outer_Full	NV	10	6.000000	0.007173	PASS
DC_30A_n5A	15	5+20	DFT-QPSK	M+M	Outer_Full	NV	20	17.000000	0.020323	PASS
DC_30A_n5A	15	5+20	DFT-QPSK	M+M	Outer_Full	NV	30	4.000000	0.004782	PASS
DC_30A_n5A	15	5+20	DFT-QPSK	M+M	Outer_Full	NV	40	15.000000	0.017932	PASS
DC_30A_n5A	15	5+20	DFT-QPSK	M+M	Outer_Full	NV	50	6.000000	0.007173	PASS
DC_30A_n5A	15	5+20	DFT-16QAM	M+M	Outer_Full	NV	-30	18.000000	0.021518	PASS
DC_30A_n5A	15	5+20	DFT-16QAM	M+M	Outer_Full	NV	-20	11.000000	0.013150	PASS
DC_30A_n5A	15	5+20	DFT-16QAM	M+M	Outer_Full	NV	-10	15.000000	0.017932	PASS
DC_30A_n5A	15	5+20	DFT-16QAM	M+M	Outer_Full	NV	0	14.000000	0.016736	PASS
DC_30A_n5A	15	5+20	DFT-16QAM	M+M	Outer_Full	NV	10	1.000000	0.001195	PASS
DC_30A_n5A	15	5+20	DFT-16QAM	M+M	Outer_Full	NV	20	6.000000	0.007173	PASS
DC_30A	15	5+20	DFT-16QAM	M+M	Outer_Full	NV	30	6.000000	0.007173	PASS

_n5A										
DC_30A_n5A	15	5+20	DFT-16QAM	M+M	Outer_Full	NV	40	4.000000	0.004782	PASS
DC_30A_n5A	15	5+20	DFT-16QAM	M+M	Outer_Full	NV	50	12.000000	0.014345	PASS
DC_30A_n5A	15	5+20	DFT-QPSK	M+H	Outer_Full	NV	-30	10.000000	0.011919	PASS
DC_30A_n5A	15	5+20	DFT-QPSK	M+H	Outer_Full	NV	-20	13.000000	0.015495	PASS
DC_30A_n5A	15	5+20	DFT-QPSK	M+H	Outer_Full	NV	-10	12.000000	0.014303	PASS
DC_30A_n5A	15	5+20	DFT-QPSK	M+H	Outer_Full	NV	0	17.000000	0.020262	PASS
DC_30A_n5A	15	5+20	DFT-QPSK	M+H	Outer_Full	NV	10	1.000000	0.001192	PASS
DC_30A_n5A	15	5+20	DFT-QPSK	M+H	Outer_Full	NV	20	8.000000	0.009535	PASS
DC_30A_n5A	15	5+20	DFT-QPSK	M+H	Outer_Full	NV	30	8.000000	0.009535	PASS
DC_30A_n5A	15	5+20	DFT-QPSK	M+H	Outer_Full	NV	40	17.000000	0.020262	PASS
DC_30A_n5A	15	5+20	DFT-QPSK	M+H	Outer_Full	NV	50	16.000000	0.019070	PASS
DC_30A_n5A	15	5+20	DFT-16QAM	M+H	Outer_Full	NV	-30	17.000000	0.020262	PASS
DC_30A_n5A	15	5+20	DFT-16QAM	M+H	Outer_Full	NV	-20	19.000000	0.022646	PASS
DC_30A_n5A	15	5+20	DFT-16QAM	M+H	Outer_Full	NV	-10	1.000000	0.001192	PASS
DC_30A_n5A	15	5+20	DFT-16QAM	M+H	Outer_Full	NV	0	6.000000	0.007151	PASS
DC_30A_n5A	15	5+20	DFT-16QAM	M+H	Outer_Full	NV	10	10.000000	0.011919	PASS
DC_30A_n5A	15	5+20	DFT-16QAM	M+H	Outer_Full	NV	20	15.000000	0.017878	PASS
DC_30A_n5A	15	5+20	DFT-16QAM	M+H	Outer_Full	NV	30	6.000000	0.007151	PASS
DC_30A_n5A	15	5+20	DFT-16QAM	M+H	Outer_Full	NV	40	9.000000	0.010727	PASS
DC_30A_n5A	15	5+20	DFT-16QAM	M+H	Outer_Full	NV	50	1.000000	0.001192	PASS