















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_n2A	15	5+5	DFT-QPSK	M+L	Outer_Full	VL	NT	-1.09	0.00	PASS
DC_7A_n2A	15	5+5	DFT-QPSK	M+L	Outer_Full	VN	NT	-2.85	0.00	PASS
DC_7A_n2A	15	5+5	DFT-QPSK	M+L	Outer_Full	VH	NT	2.13	0.00	PASS
DC_7A_n2A	15	5+5	DFT-16QAM	M+L	Outer_Full	VL	NT	-1.80	0.00	PASS
DC_7A_n2A	15	5+5	DFT-16QAM	M+L	Outer_Full	VN	NT	-0.87	0.00	PASS
DC_7A_n2A	15	5+5	DFT-16QAM	M+L	Outer_Full	VH	NT	0.13	0.00	PASS
DC_7A_n2A	15	5+5	DFT-QPSK	M+M	Outer_Full	VL	NT	-3.70	0.00	PASS
DC_7A_n2A	15	5+5	DFT-QPSK	M+M	Outer_Full	VN	NT	-4.43	0.00	PASS
DC_7A_n2A	15	5+5	DFT-QPSK	M+M	Outer_Full	VH	NT	-6.34	0.00	PASS
DC_7A_n2A	15	5+5	DFT-16QAM	M+M	Outer_Full	VL	NT	-0.95	0.00	PASS
DC_7A_n2A	15	5+5	DFT-16QAM	M+M	Outer_Full	VN	NT	-1.20	0.00	PASS
DC_7A_n2A	15	5+5	DFT-16QAM	M+M	Outer_Full	VH	NT	-2.47	0.00	PASS
DC_7A_n2A	15	5+5	DFT-QPSK	M+H	Outer_Full	VL	NT	-1.20	0.00	PASS
DC_7A_n2A	15	5+5	DFT-QPSK	M+H	Outer_Full	VN	NT	-1.23	0.00	PASS
DC_7A_n2A	15	5+5	DFT-QPSK	M+H	Outer_Full	VH	NT	-1.09	0.00	PASS
DC_7A_n2A	15	5+5	DFT-16QAM	M+H	Outer_Full	VL	NT	0.14	0.00	PASS
DC_7A_n2A	15	5+5	DFT-16QAM	M+H	Outer_Full	VN	NT	-0.21	0.00	PASS

DC_7A_n2A	15	5+5	DFT-16QAM	M+H	Outer_Full	VH	NT	-2.56	0.00	PASS
DC_7A_n2A	15	5+10	DFT-QPSK	M+L	Outer_Full	VL	NT	-3.28	0.00	PASS
DC_7A_n2A	15	5+10	DFT-QPSK	M+L	Outer_Full	VN	NT	-3.42	0.00	PASS
DC_7A_n2A	15	5+10	DFT-QPSK	M+L	Outer_Full	VH	NT	-0.94	0.00	PASS
DC_7A_n2A	15	5+10	DFT-16QAM	M+L	Outer_Full	VL	NT	-3.75	0.00	PASS
DC_7A_n2A	15	5+10	DFT-16QAM	M+L	Outer_Full	VN	NT	-0.11	0.00	PASS
DC_7A_n2A	15	5+10	DFT-16QAM	M+L	Outer_Full	VH	NT	-0.42	0.00	PASS
DC_7A_n2A	15	5+10	DFT-QPSK	M+M	Outer_Full	VL	NT	-3.54	0.00	PASS
DC_7A_n2A	15	5+10	DFT-QPSK	M+M	Outer_Full	VN	NT	-2.29	0.00	PASS
DC_7A_n2A	15	5+10	DFT-QPSK	M+M	Outer_Full	VH	NT	-1.73	0.00	PASS
DC_7A_n2A	15	5+10	DFT-16QAM	M+M	Outer_Full	VL	NT	-3.60	0.00	PASS
DC_7A_n2A	15	5+10	DFT-16QAM	M+M	Outer_Full	VN	NT	-1.78	0.00	PASS
DC_7A_n2A	15	5+10	DFT-16QAM	M+M	Outer_Full	VH	NT	-3.68	0.00	PASS
DC_7A_n2A	15	5+10	DFT-QPSK	M+H	Outer_Full	VL	NT	-4.98	0.00	PASS
DC_7A_n2A	15	5+10	DFT-QPSK	M+H	Outer_Full	VN	NT	-3.46	0.00	PASS
DC_7A_n2A	15	5+10	DFT-QPSK	M+H	Outer_Full	VH	NT	-1.82	0.00	PASS
DC_7A_n2A	15	5+10	DFT-16QAM	M+H	Outer_Full	VL	NT	-2.11	0.00	PASS
DC_7A_n2A	15	5+10	DFT-16QAM	M+H	Outer_Full	VN	NT	-5.23	0.00	PASS
DC_7A_n2A	15	5+10	DFT-16QAM	M+H	Outer_Full	VH	NT	-3.67	0.00	PASS
DC_7A_n2A	15	5+15	DFT-QPSK	M+L	Outer_Full	VL	NT	-4.35	0.00	PASS
DC_7A_n2A	15	5+15	DFT-QPSK	M+L	Outer_Full	VN	NT	-3.26	0.00	PASS

DC_7A_n2A	15	5+15	DFT-QPSK	M+L	Outer_Full	VH	NT	-4.64	0.00	PASS
DC_7A_n2A	15	5+15	DFT-16QAM	M+L	Outer_Full	VL	NT	0.01	0.00	PASS
DC_7A_n2A	15	5+15	DFT-16QAM	M+L	Outer_Full	VN	NT	-0.92	0.00	PASS
DC_7A_n2A	15	5+15	DFT-16QAM	M+L	Outer_Full	VH	NT	1.67	0.00	PASS
DC_7A_n2A	15	5+15	DFT-QPSK	M+M	Outer_Full	VL	NT	-3.94	0.00	PASS
DC_7A_n2A	15	5+15	DFT-QPSK	M+M	Outer_Full	VN	NT	-5.00	0.00	PASS
DC_7A_n2A	15	5+15	DFT-QPSK	M+M	Outer_Full	VH	NT	-1.41	0.00	PASS
DC_7A_n2A	15	5+15	DFT-16QAM	M+M	Outer_Full	VL	NT	-3.34	0.00	PASS
DC_7A_n2A	15	5+15	DFT-16QAM	M+M	Outer_Full	VN	NT	-3.17	0.00	PASS
DC_7A_n2A	15	5+15	DFT-16QAM	M+M	Outer_Full	VH	NT	-4.49	0.00	PASS
DC_7A_n2A	15	5+15	DFT-QPSK	M+H	Outer_Full	VL	NT	-6.27	0.00	PASS
DC_7A_n2A	15	5+15	DFT-QPSK	M+H	Outer_Full	VN	NT	-3.51	0.00	PASS
DC_7A_n2A	15	5+15	DFT-QPSK	M+H	Outer_Full	VH	NT	-5.63	0.00	PASS
DC_7A_n2A	15	5+15	DFT-16QAM	M+H	Outer_Full	VL	NT	-4.07	0.00	PASS
DC_7A_n2A	15	5+15	DFT-16QAM	M+H	Outer_Full	VN	NT	-2.39	0.00	PASS
DC_7A_n2A	15	5+15	DFT-16QAM	M+H	Outer_Full	VH	NT	-4.38	0.00	PASS
DC_7A_n2A	15	5+20	DFT-QPSK	M+L	Outer_Full	VL	NT	-3.05	0.00	PASS
DC_7A_n2A	15	5+20	DFT-QPSK	M+L	Outer_Full	VN	NT	-3.84	0.00	PASS
DC_7A_n2A	15	5+20	DFT-QPSK	M+L	Outer_Full	VH	NT	-4.60	0.00	PASS
DC_7A_n2A	15	5+20	DFT-16QAM	M+L	Outer_Full	VL	NT	-2.40	0.00	PASS
DC_7A_n2A	15	5+20	DFT-16QAM	M+L	Outer_Full	VN	NT	-2.17	0.00	PASS

DC_7A_n2A	15	5+20	DFT-16QAM	M+L	Outer_Full	VH	NT	-0.39	0.00	PASS
DC_7A_n2A	15	5+20	DFT-QPSK	M+M	Outer_Full	VL	NT	-3.26	0.00	PASS
DC_7A_n2A	15	5+20	DFT-QPSK	M+M	Outer_Full	VN	NT	-1.01	0.00	PASS
DC_7A_n2A	15	5+20	DFT-QPSK	M+M	Outer_Full	VH	NT	-2.33	0.00	PASS
DC_7A_n2A	15	5+20	DFT-16QAM	M+M	Outer_Full	VL	NT	-1.45	0.00	PASS
DC_7A_n2A	15	5+20	DFT-16QAM	M+M	Outer_Full	VN	NT	-1.49	0.00	PASS
DC_7A_n2A	15	5+20	DFT-16QAM	M+M	Outer_Full	VH	NT	-2.82	0.00	PASS
DC_7A_n2A	15	5+20	DFT-QPSK	M+H	Outer_Full	VL	NT	-2.12	0.00	PASS
DC_7A_n2A	15	5+20	DFT-QPSK	M+H	Outer_Full	VN	NT	-0.82	0.00	PASS
DC_7A_n2A	15	5+20	DFT-QPSK	M+H	Outer_Full	VH	NT	0.70	0.00	PASS
DC_7A_n2A	15	5+20	DFT-16QAM	M+H	Outer_Full	VL	NT	1.79	0.00	PASS
DC_7A_n2A	15	5+20	DFT-16QAM	M+H	Outer_Full	VN	NT	0.57	0.00	PASS
DC_7A_n2A	15	5+20	DFT-16QAM	M+H	Outer_Full	VH	NT	0.98	0.00	PASS

Frequency Error VS. Temperature

Voltage										
Band	SCS	Bandwidth	Modulation	Channel	RB Config	Voltage	Temperature	Deviation(Hz)	Deviation (ppm)	Verdict
DC_7A_n2A	15	5+5	DFT-QPSK	M+L	Outer_Full	NV	-30	-2.257254	-0.001218	PASS
DC_7A_n2A	15	5+5	DFT-QPSK	M+L	Outer_Full	NV	-20	-1.956059	-0.001056	PASS
DC_7A_n2A	15	5+5	DFT-QPSK	M+L	Outer_Full	NV	-10	0.165529	0.000089	PASS
DC_7A_n2A	15	5+5	DFT-QPSK	M+L	Outer_Full	NV	0	-2.448466	-0.001322	PASS
DC_7A_n2A	15	5+5	DFT-QPSK	M+L	Outer_Full	NV	10	-4.331641	-0.002338	PASS
DC_7A_n2A	15	5+5	DFT-QPSK	M+L	Outer_Full	NV	20	-3.007224	-0.001623	PASS

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n2A										
DC_7A_n2A	15	5+5	DFT-QPSK	M+L	Outer_Full	NV	30	-3.887397	-0.002098	PASS
DC_7A_n2A	15	5+5	DFT-QPSK	M+L	Outer_Full	NV	40	-0.920240	-0.000497	PASS
DC_7A_n2A	15	5+5	DFT-QPSK	M+L	Outer_Full	NV	50	-1.182056	-0.000638	PASS
DC_7A_n2A	15	5+5	DFT-16QAM	M+L	Outer_Full	NV	-30	-1.969003	-0.001063	PASS
DC_7A_n2A	15	5+5	DFT-16QAM	M+L	Outer_Full	NV	-20	-1.199393	-0.000647	PASS
DC_7A_n2A	15	5+5	DFT-16QAM	M+L	Outer_Full	NV	-10	-0.758096	-0.000409	PASS
DC_7A_n2A	15	5+5	DFT-16QAM	M+L	Outer_Full	NV	0	-2.943115	-0.001589	PASS
DC_7A_n2A	15	5+5	DFT-16QAM	M+L	Outer_Full	NV	10	-5.044912	-0.002723	PASS
DC_7A_n2A	15	5+5	DFT-16QAM	M+L	Outer_Full	NV	20	-4.997711	-0.002698	PASS
DC_7A_n2A	15	5+5	DFT-16QAM	M+L	Outer_Full	NV	30	-4.852332	-0.002619	PASS
DC_7A_n2A	15	5+5	DFT-16QAM	M+L	Outer_Full	NV	40	-6.016074	-0.003248	PASS
DC_7A_n2A	15	5+5	DFT-16QAM	M+L	Outer_Full	NV	50	-2.330154	-0.001258	PASS
DC_7A_n2A	15	5+5	DFT-QPSK	M+M	Outer_Full	NV	-30	-6.576484	-0.003498	PASS
DC_7A_n2A	15	5+5	DFT-QPSK	M+M	Outer_Full	NV	-20	-7.089067	-0.003771	PASS
DC_7A_n2A	15	5+5	DFT-QPSK	M+M	Outer_Full	NV	-10	-5.140229	-0.002734	PASS
DC_7A_n2A	15	5+5	DFT-QPSK	M+M	Outer_Full	NV	0	-6.746132	-0.003588	PASS
DC_7A_n2A	15	5+5	DFT-QPSK	M+M	Outer_Full	NV	10	-3.812625	-0.002028	PASS
DC_7A_n2A	15	5+5	DFT-QPSK	M+M	Outer_Full	NV	20	-3.745825	-0.001992	PASS
DC_7A_n2A	15	5+5	DFT-QPSK	M+M	Outer_Full	NV	30	-0.306390	-0.000163	PASS
DC_7A_n2A	15	5+5	DFT-QPSK	M+M	Outer_Full	NV	40	-0.763184	-0.000406	PASS
DC_7A_n2A	15	5+5	DFT-QPSK	M+M	Outer_Full	NV	50	-2.531169	-0.001346	PASS

n2A										
DC_7A_n2A	15	5+5	DFT-16QAM	M+M	Outer_Full	NV	-30	-1.857468	-0.000988	PASS
DC_7A_n2A	15	5+5	DFT-16QAM	M+M	Outer_Full	NV	-20	-2.454834	-0.001306	PASS
DC_7A_n2A	15	5+5	DFT-16QAM	M+M	Outer_Full	NV	-10	-2.550943	-0.001357	PASS
DC_7A_n2A	15	5+5	DFT-16QAM	M+M	Outer_Full	NV	0	-1.888274	-0.001004	PASS
DC_7A_n2A	15	5+5	DFT-16QAM	M+M	Outer_Full	NV	10	-2.973328	-0.001582	PASS
DC_7A_n2A	15	5+5	DFT-16QAM	M+M	Outer_Full	NV	20	-1.472016	-0.000783	PASS
DC_7A_n2A	15	5+5	DFT-16QAM	M+M	Outer_Full	NV	30	-0.786943	-0.000419	PASS
DC_7A_n2A	15	5+5	DFT-16QAM	M+M	Outer_Full	NV	40	-2.270064	-0.001207	PASS
DC_7A_n2A	15	5+5	DFT-16QAM	M+M	Outer_Full	NV	50	-2.677205	-0.001424	PASS
DC_7A_n2A	15	5+5	DFT-QPSK	M+H	Outer_Full	NV	-30	-1.994521	-0.001046	PASS
DC_7A_n2A	15	5+5	DFT-QPSK	M+H	Outer_Full	NV	-20	-1.663952	-0.000872	PASS
DC_7A_n2A	15	5+5	DFT-QPSK	M+H	Outer_Full	NV	-10	-2.492900	-0.001307	PASS
DC_7A_n2A	15	5+5	DFT-QPSK	M+H	Outer_Full	NV	0	-0.388491	-0.000204	PASS
DC_7A_n2A	15	5+5	DFT-QPSK	M+H	Outer_Full	NV	10	-1.385840	-0.000727	PASS
DC_7A_n2A	15	5+5	DFT-QPSK	M+H	Outer_Full	NV	20	1.172911	0.000615	PASS
DC_7A_n2A	15	5+5	DFT-QPSK	M+H	Outer_Full	NV	30	-2.192749	-0.001150	PASS
DC_7A_n2A	15	5+5	DFT-QPSK	M+H	Outer_Full	NV	40	-1.798230	-0.000943	PASS
DC_7A_n2A	15	5+5	DFT-QPSK	M+H	Outer_Full	NV	50	-2.433390	-0.001276	PASS
DC_7A_n2A	15	5+5	DFT-16QAM	M+H	Outer_Full	NV	-30	-1.435303	-0.000752	PASS
DC_7A_n2A	15	5+5	DFT-16QAM	M+H	Outer_Full	NV	-20	-2.631074	-0.001379	PASS
DC_7A_n2A	15	5+5	DFT-16QAM	M+H	Outer_Full	NV	-10	-1.638039	-0.000859	PASS

n2A										
DC_7A_n2A	15	5+5	DFT-16QAM	M+H	Outer_Full	NV	0	-0.840394	-0.000441	PASS
DC_7A_n2A	15	5+5	DFT-16QAM	M+H	Outer_Full	NV	10	-2.292094	-0.001202	PASS
DC_7A_n2A	15	5+5	DFT-16QAM	M+H	Outer_Full	NV	20	-0.398664	-0.000209	PASS
DC_7A_n2A	15	5+5	DFT-16QAM	M+H	Outer_Full	NV	30	-1.615124	-0.000847	PASS
DC_7A_n2A	15	5+5	DFT-16QAM	M+H	Outer_Full	NV	40	0.124279	0.000065	PASS
DC_7A_n2A	15	5+5	DFT-16QAM	M+H	Outer_Full	NV	50	-1.439533	-0.000755	PASS
DC_7A_n2A	15	5+10	DFT-QPSK	M+L	Outer_Full	NV	-30	-2.708628	-0.001460	PASS
DC_7A_n2A	15	5+10	DFT-QPSK	M+L	Outer_Full	NV	-20	-2.693886	-0.001452	PASS
DC_7A_n2A	15	5+10	DFT-QPSK	M+L	Outer_Full	NV	-10	-1.303510	-0.000703	PASS
DC_7A_n2A	15	5+10	DFT-QPSK	M+L	Outer_Full	NV	0	-0.344199	-0.000186	PASS
DC_7A_n2A	15	5+10	DFT-QPSK	M+L	Outer_Full	NV	10	-3.618253	-0.001951	PASS
DC_7A_n2A	15	5+10	DFT-QPSK	M+L	Outer_Full	NV	20	-2.365993	-0.001275	PASS
DC_7A_n2A	15	5+10	DFT-QPSK	M+L	Outer_Full	NV	30	-2.243615	-0.001209	PASS
DC_7A_n2A	15	5+10	DFT-QPSK	M+L	Outer_Full	NV	40	-0.356686	-0.000192	PASS
DC_7A_n2A	15	5+10	DFT-QPSK	M+L	Outer_Full	NV	50	-2.823818	-0.001522	PASS
DC_7A_n2A	15	5+10	DFT-16QAM	M+L	Outer_Full	NV	-30	-1.591234	-0.000858	PASS
DC_7A_n2A	15	5+10	DFT-16QAM	M+L	Outer_Full	NV	-20	-1.843700	-0.000994	PASS
DC_7A_n2A	15	5+10	DFT-16QAM	M+L	Outer_Full	NV	-10	-2.693774	-0.001452	PASS
DC_7A_n2A	15	5+10	DFT-16QAM	M+L	Outer_Full	NV	0	-1.490004	-0.000803	PASS
DC_7A_n2A	15	5+10	DFT-16QAM	M+L	Outer_Full	NV	10	-3.667526	-0.001977	PASS
DC_7A_n2A	15	5+10	DFT-16QAM	M+L	Outer_Full	NV	20	-2.937760	-0.001584	PASS

n2A										
DC_7A_n2A	15	5+10	DFT-16QAM	M+L	Outer_Full	NV	30	0.136823	0.000074	PASS
DC_7A_n2A	15	5+10	DFT-16QAM	M+L	Outer_Full	NV	40	-2.628362	-0.001417	PASS
DC_7A_n2A	15	5+10	DFT-16QAM	M+L	Outer_Full	NV	50	-0.925816	-0.000499	PASS
DC_7A_n2A	15	5+10	DFT-QPSK	M+M	Outer_Full	NV	-30	-3.046012	-0.001620	PASS
DC_7A_n2A	15	5+10	DFT-QPSK	M+M	Outer_Full	NV	-20	-5.376329	-0.002860	PASS
DC_7A_n2A	15	5+10	DFT-QPSK	M+M	Outer_Full	NV	-10	-3.989273	-0.002122	PASS
DC_7A_n2A	15	5+10	DFT-QPSK	M+M	Outer_Full	NV	0	-2.804308	-0.001492	PASS
DC_7A_n2A	15	5+10	DFT-QPSK	M+M	Outer_Full	NV	10	-3.162055	-0.001682	PASS
DC_7A_n2A	15	5+10	DFT-QPSK	M+M	Outer_Full	NV	20	-2.254464	-0.001199	PASS
DC_7A_n2A	15	5+10	DFT-QPSK	M+M	Outer_Full	NV	30	-2.801119	-0.001490	PASS
DC_7A_n2A	15	5+10	DFT-QPSK	M+M	Outer_Full	NV	40	-0.689874	-0.000367	PASS
DC_7A_n2A	15	5+10	DFT-QPSK	M+M	Outer_Full	NV	50	-3.403381	-0.001810	PASS
DC_7A_n2A	15	5+10	DFT-16QAM	M+M	Outer_Full	NV	-30	-2.637812	-0.001403	PASS
DC_7A_n2A	15	5+10	DFT-16QAM	M+M	Outer_Full	NV	-20	-4.578722	-0.002435	PASS
DC_7A_n2A	15	5+10	DFT-16QAM	M+M	Outer_Full	NV	-10	-2.698379	-0.001435	PASS
DC_7A_n2A	15	5+10	DFT-16QAM	M+M	Outer_Full	NV	0	-4.063768	-0.002162	PASS
DC_7A_n2A	15	5+10	DFT-16QAM	M+M	Outer_Full	NV	10	-3.992734	-0.002124	PASS
DC_7A_n2A	15	5+10	DFT-16QAM	M+M	Outer_Full	NV	20	-2.964368	-0.001577	PASS
DC_7A_n2A	15	5+10	DFT-16QAM	M+M	Outer_Full	NV	30	-2.521722	-0.001341	PASS
DC_7A_n2A	15	5+10	DFT-16QAM	M+M	Outer_Full	NV	40	-2.865451	-0.001524	PASS
DC_7A_n2A	15	5+10	DFT-16QAM	M+M	Outer_Full	NV	50	-2.848795	-0.001515	PASS

n2A										
DC_7A_n2A	15	5+10	DFT-QPSK	M+H	Outer_Full	NV	-30	-3.543124	-0.001860	PASS
DC_7A_n2A	15	5+10	DFT-QPSK	M+H	Outer_Full	NV	-20	-3.396886	-0.001783	PASS
DC_7A_n2A	15	5+10	DFT-QPSK	M+H	Outer_Full	NV	-10	-4.939380	-0.002593	PASS
DC_7A_n2A	15	5+10	DFT-QPSK	M+H	Outer_Full	NV	0	-4.512875	-0.002369	PASS
DC_7A_n2A	15	5+10	DFT-QPSK	M+H	Outer_Full	NV	10	-2.841927	-0.001492	PASS
DC_7A_n2A	15	5+10	DFT-QPSK	M+H	Outer_Full	NV	20	-2.925053	-0.001535	PASS
DC_7A_n2A	15	5+10	DFT-QPSK	M+H	Outer_Full	NV	30	-3.722723	-0.001954	PASS
DC_7A_n2A	15	5+10	DFT-QPSK	M+H	Outer_Full	NV	40	-4.769916	-0.002504	PASS
DC_7A_n2A	15	5+10	DFT-QPSK	M+H	Outer_Full	NV	50	-2.753083	-0.001445	PASS
DC_7A_n2A	15	5+10	DFT-16QAM	M+H	Outer_Full	NV	-30	-2.702431	-0.001419	PASS
DC_7A_n2A	15	5+10	DFT-16QAM	M+H	Outer_Full	NV	-20	-2.917293	-0.001531	PASS
DC_7A_n2A	15	5+10	DFT-16QAM	M+H	Outer_Full	NV	-10	-1.470082	-0.000772	PASS
DC_7A_n2A	15	5+10	DFT-16QAM	M+H	Outer_Full	NV	0	-3.800209	-0.001995	PASS
DC_7A_n2A	15	5+10	DFT-16QAM	M+H	Outer_Full	NV	10	-3.308312	-0.001737	PASS
DC_7A_n2A	15	5+10	DFT-16QAM	M+H	Outer_Full	NV	20	-2.404880	-0.001262	PASS
DC_7A_n2A	15	5+10	DFT-16QAM	M+H	Outer_Full	NV	30	-4.873649	-0.002558	PASS
DC_7A_n2A	15	5+10	DFT-16QAM	M+H	Outer_Full	NV	40	-4.060596	-0.002132	PASS
DC_7A_n2A	15	5+10	DFT-16QAM	M+H	Outer_Full	NV	50	-2.903932	-0.001524	PASS
DC_7A_n2A	15	5+15	DFT-QPSK	M+L	Outer_Full	NV	-30	-2.334865	-0.001257	PASS
DC_7A_n2A	15	5+15	DFT-QPSK	M+L	Outer_Full	NV	-20	-2.726744	-0.001468	PASS
DC_7A_n2A	15	5+15	DFT-QPSK	M+L	Outer_Full	NV	-10	2.877841	0.001549	PASS

n2A										
DC_7A_n2A	15	5+15	DFT-QPSK	M+L	Outer_Full	NV	0	1.424747	0.000767	PASS
DC_7A_n2A	15	5+15	DFT-QPSK	M+L	Outer_Full	NV	10	1.920115	0.001034	PASS
DC_7A_n2A	15	5+15	DFT-QPSK	M+L	Outer_Full	NV	20	-0.820597	-0.000442	PASS
DC_7A_n2A	15	5+15	DFT-QPSK	M+L	Outer_Full	NV	30	1.344066	0.000724	PASS
DC_7A_n2A	15	5+15	DFT-QPSK	M+L	Outer_Full	NV	40	-0.777870	-0.000419	PASS
DC_7A_n2A	15	5+15	DFT-QPSK	M+L	Outer_Full	NV	50	0.024475	0.000013	PASS
DC_7A_n2A	15	5+15	DFT-16QAM	M+L	Outer_Full	NV	-30	1.231383	0.000663	PASS
DC_7A_n2A	15	5+15	DFT-16QAM	M+L	Outer_Full	NV	-20	0.257250	0.000138	PASS
DC_7A_n2A	15	5+15	DFT-16QAM	M+L	Outer_Full	NV	-10	-1.553797	-0.000836	PASS
DC_7A_n2A	15	5+15	DFT-16QAM	M+L	Outer_Full	NV	0	0.724780	0.000390	PASS
DC_7A_n2A	15	5+15	DFT-16QAM	M+L	Outer_Full	NV	10	-0.676551	-0.000364	PASS
DC_7A_n2A	15	5+15	DFT-16QAM	M+L	Outer_Full	NV	20	-3.210987	-0.001729	PASS
DC_7A_n2A	15	5+15	DFT-16QAM	M+L	Outer_Full	NV	30	-3.417713	-0.001840	PASS
DC_7A_n2A	15	5+15	DFT-16QAM	M+L	Outer_Full	NV	40	-1.862291	-0.001003	PASS
DC_7A_n2A	15	5+15	DFT-16QAM	M+L	Outer_Full	NV	50	-3.735210	-0.002011	PASS
DC_7A_n2A	15	5+15	DFT-QPSK	M+M	Outer_Full	NV	-30	-2.499825	-0.001330	PASS
DC_7A_n2A	15	5+15	DFT-QPSK	M+M	Outer_Full	NV	-20	-3.201255	-0.001703	PASS
DC_7A_n2A	15	5+15	DFT-QPSK	M+M	Outer_Full	NV	-10	-2.262265	-0.001203	PASS
DC_7A_n2A	15	5+15	DFT-QPSK	M+M	Outer_Full	NV	0	-5.191758	-0.002762	PASS
DC_7A_n2A	15	5+15	DFT-QPSK	M+M	Outer_Full	NV	10	-4.536901	-0.002413	PASS
DC_7A_n2A	15	5+15	DFT-QPSK	M+M	Outer_Full	NV	20	-5.677973	-0.003020	PASS

n2A										
DC_7A_n2A	15	5+15	DFT-QPSK	M+M	Outer_Full	NV	30	-5.565340	-0.002960	PASS
DC_7A_n2A	15	5+15	DFT-QPSK	M+M	Outer_Full	NV	40	-4.382889	-0.002331	PASS
DC_7A_n2A	15	5+15	DFT-QPSK	M+M	Outer_Full	NV	50	-2.421869	-0.001288	PASS
DC_7A_n2A	15	5+15	DFT-16QAM	M+M	Outer_Full	NV	-30	-4.053846	-0.002156	PASS
DC_7A_n2A	15	5+15	DFT-16QAM	M+M	Outer_Full	NV	-20	-3.440564	-0.001830	PASS
DC_7A_n2A	15	5+15	DFT-16QAM	M+M	Outer_Full	NV	-10	-5.458392	-0.002903	PASS
DC_7A_n2A	15	5+15	DFT-16QAM	M+M	Outer_Full	NV	0	-2.691386	-0.001432	PASS
DC_7A_n2A	15	5+15	DFT-16QAM	M+M	Outer_Full	NV	10	-4.069386	-0.002165	PASS
DC_7A_n2A	15	5+15	DFT-16QAM	M+M	Outer_Full	NV	20	-1.496297	-0.000796	PASS
DC_7A_n2A	15	5+15	DFT-16QAM	M+M	Outer_Full	NV	30	-5.245214	-0.002790	PASS
DC_7A_n2A	15	5+15	DFT-16QAM	M+M	Outer_Full	NV	40	-4.440965	-0.002362	PASS
DC_7A_n2A	15	5+15	DFT-16QAM	M+M	Outer_Full	NV	50	-3.000419	-0.001596	PASS
DC_7A_n2A	15	5+15	DFT-QPSK	M+H	Outer_Full	NV	-30	-3.554961	-0.001869	PASS
DC_7A_n2A	15	5+15	DFT-QPSK	M+H	Outer_Full	NV	-20	-4.138354	-0.002175	PASS
DC_7A_n2A	15	5+15	DFT-QPSK	M+H	Outer_Full	NV	-10	-4.256931	-0.002238	PASS
DC_7A_n2A	15	5+15	DFT-QPSK	M+H	Outer_Full	NV	0	-5.367924	-0.002822	PASS
DC_7A_n2A	15	5+15	DFT-QPSK	M+H	Outer_Full	NV	10	-4.533798	-0.002383	PASS
DC_7A_n2A	15	5+15	DFT-QPSK	M+H	Outer_Full	NV	20	-5.363069	-0.002819	PASS
DC_7A_n2A	15	5+15	DFT-QPSK	M+H	Outer_Full	NV	30	-3.776711	-0.001985	PASS
DC_7A_n2A	15	5+15	DFT-QPSK	M+H	Outer_Full	NV	40	-5.261012	-0.002765	PASS
DC_7A_n2A	15	5+15	DFT-QPSK	M+H	Outer_Full	NV	50	-4.084868	-0.002147	PASS

n2A										
DC_7A_n2A	15	5+15	DFT-16QAM	M+H	Outer_Full	NV	-30	-6.342612	-0.003334	PASS
DC_7A_n2A	15	5+15	DFT-16QAM	M+H	Outer_Full	NV	-20	-3.748823	-0.001970	PASS
DC_7A_n2A	15	5+15	DFT-16QAM	M+H	Outer_Full	NV	-10	-4.153132	-0.002183	PASS
DC_7A_n2A	15	5+15	DFT-16QAM	M+H	Outer_Full	NV	0	-5.063736	-0.002662	PASS
DC_7A_n2A	15	5+15	DFT-16QAM	M+H	Outer_Full	NV	10	-4.072296	-0.002140	PASS
DC_7A_n2A	15	5+15	DFT-16QAM	M+H	Outer_Full	NV	20	-5.843054	-0.003071	PASS
DC_7A_n2A	15	5+15	DFT-16QAM	M+H	Outer_Full	NV	30	-5.747816	-0.003021	PASS
DC_7A_n2A	15	5+15	DFT-16QAM	M+H	Outer_Full	NV	40	-3.476338	-0.001827	PASS
DC_7A_n2A	15	5+15	DFT-16QAM	M+H	Outer_Full	NV	50	-4.738564	-0.002491	PASS
DC_7A_n2A	15	5+20	DFT-QPSK	M+L	Outer_Full	NV	-30	-3.731801	-0.002006	PASS
DC_7A_n2A	15	5+20	DFT-QPSK	M+L	Outer_Full	NV	-20	-2.275629	-0.001223	PASS
DC_7A_n2A	15	5+20	DFT-QPSK	M+L	Outer_Full	NV	-10	-3.205431	-0.001723	PASS
DC_7A_n2A	15	5+20	DFT-QPSK	M+L	Outer_Full	NV	0	-3.979247	-0.002139	PASS
DC_7A_n2A	15	5+20	DFT-QPSK	M+L	Outer_Full	NV	10	-4.118464	-0.002214	PASS
DC_7A_n2A	15	5+20	DFT-QPSK	M+L	Outer_Full	NV	20	-4.469470	-0.002403	PASS
DC_7A_n2A	15	5+20	DFT-QPSK	M+L	Outer_Full	NV	30	-1.600281	-0.000860	PASS
DC_7A_n2A	15	5+20	DFT-QPSK	M+L	Outer_Full	NV	40	-2.028888	-0.001091	PASS
DC_7A_n2A	15	5+20	DFT-QPSK	M+L	Outer_Full	NV	50	-3.615001	-0.001944	PASS
DC_7A_n2A	15	5+20	DFT-16QAM	M+L	Outer_Full	NV	-30	-3.319285	-0.001785	PASS
DC_7A_n2A	15	5+20	DFT-16QAM	M+L	Outer_Full	NV	-20	-2.302806	-0.001238	PASS
DC_7A_n2A	15	5+20	DFT-16QAM	M+L	Outer_Full	NV	-10	-2.410572	-0.001296	PASS

n2A										
DC_7A_n2A	15	5+20	DFT-16QAM	M+L	Outer_Full	NV	0	-0.797750	-0.000429	PASS
DC_7A_n2A	15	5+20	DFT-16QAM	M+L	Outer_Full	NV	10	-3.955250	-0.002126	PASS
DC_7A_n2A	15	5+20	DFT-16QAM	M+L	Outer_Full	NV	20	-3.047066	-0.001638	PASS
DC_7A_n2A	15	5+20	DFT-16QAM	M+L	Outer_Full	NV	30	-4.140895	-0.002226	PASS
DC_7A_n2A	15	5+20	DFT-16QAM	M+L	Outer_Full	NV	40	-1.095847	-0.000589	PASS
DC_7A_n2A	15	5+20	DFT-16QAM	M+L	Outer_Full	NV	50	-2.163193	-0.001163	PASS
DC_7A_n2A	15	5+20	DFT-QPSK	M+M	Outer_Full	NV	-30	-3.111886	-0.001655	PASS
DC_7A_n2A	15	5+20	DFT-QPSK	M+M	Outer_Full	NV	-20	-2.565368	-0.001365	PASS
DC_7A_n2A	15	5+20	DFT-QPSK	M+M	Outer_Full	NV	-10	-3.636299	-0.001934	PASS
DC_7A_n2A	15	5+20	DFT-QPSK	M+M	Outer_Full	NV	0	-3.288359	-0.001749	PASS
DC_7A_n2A	15	5+20	DFT-QPSK	M+M	Outer_Full	NV	10	-3.439826	-0.001830	PASS
DC_7A_n2A	15	5+20	DFT-QPSK	M+M	Outer_Full	NV	20	-2.723434	-0.001449	PASS
DC_7A_n2A	15	5+20	DFT-QPSK	M+M	Outer_Full	NV	30	-4.738075	-0.002520	PASS
DC_7A_n2A	15	5+20	DFT-QPSK	M+M	Outer_Full	NV	40	-3.991185	-0.002123	PASS
DC_7A_n2A	15	5+20	DFT-QPSK	M+M	Outer_Full	NV	50	-1.068671	-0.000568	PASS
DC_7A_n2A	15	5+20	DFT-16QAM	M+M	Outer_Full	NV	-30	-4.561863	-0.002427	PASS
DC_7A_n2A	15	5+20	DFT-16QAM	M+M	Outer_Full	NV	-20	-1.745555	-0.000928	PASS
DC_7A_n2A	15	5+20	DFT-16QAM	M+M	Outer_Full	NV	-10	-3.092794	-0.001645	PASS
DC_7A_n2A	15	5+20	DFT-16QAM	M+M	Outer_Full	NV	0	-2.943816	-0.001566	PASS
DC_7A_n2A	15	5+20	DFT-16QAM	M+M	Outer_Full	NV	10	-1.477500	-0.000786	PASS
DC_7A_n2A	15	5+20	DFT-16QAM	M+M	Outer_Full	NV	20	-2.604079	-0.001385	PASS

n2A										
DC_7A_n2A	15	5+20	DFT-16QAM	M+M	Outer_Full	NV	30	-2.103335	-0.001119	PASS
DC_7A_n2A	15	5+20	DFT-16QAM	M+M	Outer_Full	NV	40	-3.813761	-0.002029	PASS
DC_7A_n2A	15	5+20	DFT-16QAM	M+M	Outer_Full	NV	50	-1.489412	-0.000792	PASS
DC_7A_n2A	15	5+20	DFT-QPSK	M+H	Outer_Full	NV	-30	0.164063	0.000086	PASS
DC_7A_n2A	15	5+20	DFT-QPSK	M+H	Outer_Full	NV	-20	1.127620	0.000593	PASS
DC_7A_n2A	15	5+20	DFT-QPSK	M+H	Outer_Full	NV	-10	1.252501	0.000659	PASS
DC_7A_n2A	15	5+20	DFT-QPSK	M+H	Outer_Full	NV	0	0.924693	0.000487	PASS
DC_7A_n2A	15	5+20	DFT-QPSK	M+H	Outer_Full	NV	10	0.432807	0.000228	PASS
DC_7A_n2A	15	5+20	DFT-QPSK	M+H	Outer_Full	NV	20	0.270693	0.000142	PASS
DC_7A_n2A	15	5+20	DFT-QPSK	M+H	Outer_Full	NV	30	-0.190764	-0.000100	PASS
DC_7A_n2A	15	5+20	DFT-QPSK	M+H	Outer_Full	NV	40	1.068756	0.000563	PASS
DC_7A_n2A	15	5+20	DFT-QPSK	M+H	Outer_Full	NV	50	1.726404	0.000909	PASS
DC_7A_n2A	15	5+20	DFT-16QAM	M+H	Outer_Full	NV	-30	0.476648	0.000251	PASS
DC_7A_n2A	15	5+20	DFT-16QAM	M+H	Outer_Full	NV	-20	-1.019603	-0.000537	PASS
DC_7A_n2A	15	5+20	DFT-16QAM	M+H	Outer_Full	NV	-10	0.192988	0.000102	PASS
DC_7A_n2A	15	5+20	DFT-16QAM	M+H	Outer_Full	NV	0	0.705661	0.000371	PASS
DC_7A_n2A	15	5+20	DFT-16QAM	M+H	Outer_Full	NV	10	0.982724	0.000517	PASS
DC_7A_n2A	15	5+20	DFT-16QAM	M+H	Outer_Full	NV	20	0.924414	0.000487	PASS
DC_7A_n2A	15	5+20	DFT-16QAM	M+H	Outer_Full	NV	30	-1.293844	-0.000681	PASS
DC_7A_n2A	15	5+20	DFT-16QAM	M+H	Outer_Full	NV	40	-0.016670	-0.000009	PASS
DC_7A_n2A	15	5+20	DFT-16QAM	M+H	Outer_Full	NV	50	-0.602930	-0.000317	PASS

n2A										
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