

Appendix F: Frequency Stability for SA

Test Result

Frequency Error VS. Voltage

Voltage										
Band	SCS	Bandwidth	Modulation	Channel	RB Config	Voltage	Temperature	Deviation(Hz)	Deviation (ppm)	Verdict
N7	15	5	DFT-QPSK	L	Outer_Full	VL	NT	-0.400000	-0.000160	PASS
N7	15	5	DFT-QPSK	L	Outer_Full	VN	NT	-1.780000	-0.000711	PASS
N7	15	5	DFT-QPSK	L	Outer_Full	VH	NT	0.740000	0.000296	PASS
N7	15	5	DFT-16QAM	L	Outer_Full	VL	NT	2.620000	0.001047	PASS
N7	15	5	DFT-16QAM	L	Outer_Full	VN	NT	2.029999	0.000811	PASS
N7	15	5	DFT-16QAM	L	Outer_Full	VH	NT	1.100000	0.000440	PASS
N7	15	5	DFT-QPSK	M	Outer_Full	VL	NT	2.230000	0.000880	PASS
N7	15	5	DFT-QPSK	M	Outer_Full	VN	NT	2.570000	0.001013	PASS
N7	15	5	DFT-QPSK	M	Outer_Full	VH	NT	-0.230000	-0.000091	PASS
N7	15	5	DFT-16QAM	M	Outer_Full	VL	NT	-0.030000	-0.000012	PASS
N7	15	5	DFT-16QAM	M	Outer_Full	VN	NT	1.020000	0.000402	PASS
N7	15	5	DFT-16QAM	M	Outer_Full	VH	NT	-0.220000	-0.000087	PASS
N7	15	5	DFT-QPSK	H	Outer_Full	VL	NT	3.950000	0.001538	PASS
N7	15	5	DFT-QPSK	H	Outer_Full	VN	NT	6.070000	0.002364	PASS
N7	15	5	DFT-QPSK	H	Outer_Full	VH	NT	4.620000	0.001799	PASS
N7	15	5	DFT-16QAM	H	Outer_Full	VL	NT	2.620000	0.001020	PASS
N7	15	5	DFT-16QAM	H	Outer_Full	VN	NT	3.130000	0.001219	PASS
N7	15	5	DFT-16QAM	H	Outer_Full	VH	NT	2.260000	0.000880	PASS
N7	15	10	DFT-QPSK	L	Outer_Full	VL	NT	-1.270000	-0.000506	PASS
N7	15	10	DFT-QPSK	L	Outer_Full	VN	NT	1.530000	0.000611	PASS
N7	15	10	DFT-QPSK	L	Outer_Full	VH	NT	1.260000	0.000503	PASS
N7	15	10	DFT-16QAM	L	Outer_Full	VL	NT	1.740000	0.000695	PASS
N7	15	10	DFT-16QAM	L	Outer_Full	VN	NT	2.100000	0.000838	PASS
N7	15	10	DFT-16QAM	L	Outer_Full	VH	NT	0.990000	0.000395	PASS
N7	15	10	DFT-QPSK	M	Outer_Full	VL	NT	-0.430000	-0.000170	PASS
N7	15	10	DFT-QPSK	M	Outer_Full	VN	NT	2.400000	0.000947	PASS
N7	15	10	DFT-QPSK	M	Outer_Full	VH	NT	-0.090000	-0.000036	PASS
N7	15	10	DFT-16QAM	M	Outer_Full	VL	NT	2.210000	0.000872	PASS
N7	15	10	DFT-16QAM	M	Outer_Full	VN	NT	1.280000	0.000505	PASS
N7	15	10	DFT-16QAM	M	Outer_Full	VH	NT	-1.920000	-0.000757	PASS
N7	15	10	DFT-QPSK	H	Outer_Full	VL	NT	0.290000	0.000113	PASS
N7	15	10	DFT-QPSK	H	Outer_Full	VN	NT	-1.630000	-0.000635	PASS

N7	15	10	DFT-QPSK	H	Outer_Full	VH	NT	-2.390000	-0.000932	PASS
N7	15	10	DFT-16QAM	H	Outer_Full	VL	NT	-1.930000	-0.000752	PASS
N7	15	10	DFT-16QAM	H	Outer_Full	VN	NT	-0.910000	-0.000355	PASS
N7	15	10	DFT-16QAM	H	Outer_Full	VH	NT	0.700000	0.000273	PASS
N7	15	15	DFT-QPSK	L	Outer_Full	VL	NT	-3.560000	-0.001420	PASS
N7	15	15	DFT-QPSK	L	Outer_Full	VN	NT	-1.230000	-0.000491	PASS
N7	15	15	DFT-QPSK	L	Outer_Full	VH	NT	-2.360000	-0.000941	PASS
N7	15	15	DFT-16QAM	L	Outer_Full	VL	NT	-1.950000	-0.000778	PASS
N7	15	15	DFT-16QAM	L	Outer_Full	VN	NT	-1.630000	-0.000650	PASS
N7	15	15	DFT-16QAM	L	Outer_Full	VH	NT	-2.740000	-0.001093	PASS
N7	15	15	DFT-QPSK	M	Outer_Full	VL	NT	-2.060000	-0.000813	PASS
N7	15	15	DFT-QPSK	M	Outer_Full	VN	NT	-2.510000	-0.000990	PASS
N7	15	15	DFT-QPSK	M	Outer_Full	VH	NT	-1.760000	-0.000694	PASS
N7	15	15	DFT-16QAM	M	Outer_Full	VL	NT	-5.260000	-0.002075	PASS
N7	15	15	DFT-16QAM	M	Outer_Full	VN	NT	-2.150000	-0.000848	PASS
N7	15	15	DFT-16QAM	M	Outer_Full	VH	NT	-1.990000	-0.000785	PASS
N7	15	15	DFT-QPSK	H	Outer_Full	VL	NT	-4.920000	-0.001920	PASS
N7	15	15	DFT-QPSK	H	Outer_Full	VN	NT	-2.810000	-0.001097	PASS
N7	15	15	DFT-QPSK	H	Outer_Full	VH	NT	-3.980000	-0.001553	PASS
N7	15	15	DFT-16QAM	H	Outer_Full	VL	NT	-5.660000	-0.002209	PASS
N7	15	15	DFT-16QAM	H	Outer_Full	VN	NT	-6.230000	-0.002431	PASS
N7	15	15	DFT-16QAM	H	Outer_Full	VH	NT	-6.270000	-0.002447	PASS
N7	15	20	DFT-QPSK	L	Outer_Full	VL	NT	-4.560000	-0.001817	PASS
N7	15	20	DFT-QPSK	L	Outer_Full	VN	NT	-5.340000	-0.002127	PASS
N7	15	20	DFT-QPSK	L	Outer_Full	VH	NT	-7.970000	-0.003175	PASS
N7	15	20	DFT-16QAM	L	Outer_Full	VL	NT	-3.730000	-0.001486	PASS
N7	15	20	DFT-16QAM	L	Outer_Full	VN	NT	-3.290000	-0.001311	PASS
N7	15	20	DFT-16QAM	L	Outer_Full	VH	NT	-8.369999	-0.003335	PASS
N7	15	20	DFT-QPSK	M	Outer_Full	VL	NT	-3.330000	-0.001314	PASS
N7	15	20	DFT-QPSK	M	Outer_Full	VN	NT	-2.140000	-0.000844	PASS
N7	15	20	DFT-QPSK	M	Outer_Full	VH	NT	-2.260000	-0.000892	PASS
N7	15	20	DFT-16QAM	M	Outer_Full	VL	NT	-1.620000	-0.000639	PASS
N7	15	20	DFT-16QAM	M	Outer_Full	VN	NT	-1.600000	-0.000631	PASS
N7	15	20	DFT-16QAM	M	Outer_Full	VH	NT	-2.120000	-0.000836	PASS
N7	15	20	DFT-QPSK	H	Outer_Full	VL	NT	-1.750000	-0.000684	PASS
N7	15	20	DFT-QPSK	H	Outer_Full	VN	NT	-4.530000	-0.001770	PASS
N7	15	20	DFT-QPSK	H	Outer_Full	VH	NT	-3.880000	-0.001516	PASS
N7	15	20	DFT-16QAM	H	Outer_Full	VL	NT	-4.900000	-0.001914	PASS
N7	15	20	DFT-16QAM	H	Outer_Full	VN	NT	-4.950000	-0.001934	PASS
N7	15	20	DFT-16QAM	H	Outer_Full	VH	NT	-3.070000	-0.001199	PASS

Frequency Error VS. Temperature

Voltage										
Band	SCS	Bandwidth	Modulation	Channel	RB Config	Voltage	Temperature	Deviation(Hz)	Deviation (ppm)	Verdict
N7	15	5	DFT-QPSK	L	Outer_Full	NV	-30	-0.560000	-0.000224	PASS
N7	15	5	DFT-QPSK	L	Outer_Full	NV	-20	2.390000	0.000955	PASS
N7	15	5	DFT-QPSK	L	Outer_Full	NV	-10	0.600000	0.000240	PASS
N7	15	5	DFT-QPSK	L	Outer_Full	NV	0	0.090000	0.000036	PASS
N7	15	5	DFT-QPSK	L	Outer_Full	NV	10	-0.370000	-0.000148	PASS
N7	15	5	DFT-QPSK	L	Outer_Full	NV	20	2.440000	0.000975	PASS
N7	15	5	DFT-QPSK	L	Outer_Full	NV	30	1.450000	0.000579	PASS
N7	15	5	DFT-QPSK	L	Outer_Full	NV	40	-2.430000	-0.000971	PASS
N7	15	5	DFT-QPSK	L	Outer_Full	NV	50	0.740000	0.000296	PASS
N7	15	5	DFT-16QAM	L	Outer_Full	NV	-30	-1.270000	-0.000506	PASS
N7	15	5	DFT-16QAM	L	Outer_Full	NV	-20	2.510000	0.001003	PASS
N7	15	5	DFT-16QAM	L	Outer_Full	NV	-10	-0.150000	-0.000060	PASS
N7	15	5	DFT-16QAM	L	Outer_Full	NV	0	0.300000	0.000120	PASS
N7	15	5	DFT-16QAM	L	Outer_Full	NV	10	3.590000	0.001435	PASS
N7	15	5	DFT-16QAM	L	Outer_Full	NV	20	-2.540000	-0.001015	PASS
N7	15	5	DFT-16QAM	L	Outer_Full	NV	30	1.660000	0.000663	PASS
N7	15	5	DFT-16QAM	L	Outer_Full	NV	40	-1.230000	-0.000492	PASS
N7	15	5	DFT-16QAM	L	Outer_Full	NV	50	2.650000	0.001059	PASS
N7	15	5	DFT-QPSK	M	Outer_Full	NV	-30	1.060000	0.000418	PASS
N7	15	5	DFT-QPSK	M	Outer_Full	NV	-20	1.080000	0.000426	PASS
N7	15	5	DFT-QPSK	M	Outer_Full	NV	-10	0.300000	0.000118	PASS
N7	15	5	DFT-QPSK	M	Outer_Full	NV	0	2.900000	0.001144	PASS
N7	15	5	DFT-QPSK	M	Outer_Full	NV	10	2.380000	0.000939	PASS
N7	15	5	DFT-QPSK	M	Outer_Full	NV	20	1.450000	0.000572	PASS
N7	15	5	DFT-QPSK	M	Outer_Full	NV	30	1.050000	0.000414	PASS
N7	15	5	DFT-QPSK	M	Outer_Full	NV	40	2.120000	0.000836	PASS
N7	15	5	DFT-QPSK	M	Outer_Full	NV	50	-0.180000	-0.000071	PASS
N7	15	5	DFT-16QAM	M	Outer_Full	NV	-30	0.540000	0.000213	PASS
N7	15	5	DFT-16QAM	M	Outer_Full	NV	-20	1.420000	0.000560	PASS
N7	15	5	DFT-16QAM	M	Outer_Full	NV	-10	-1.710000	-0.000675	PASS
N7	15	5	DFT-16QAM	M	Outer_Full	NV	0	-1.840000	-0.000726	PASS
N7	15	5	DFT-16QAM	M	Outer_Full	NV	10	1.650000	0.000651	PASS
N7	15	5	DFT-16QAM	M	Outer_Full	NV	20	0.150000	0.000059	PASS
N7	15	5	DFT-16QAM	M	Outer_Full	NV	30	0.610000	0.000241	PASS

N7	15	5	DFT-16QAM	M	Outer_Full	NV	40	0.790000	0.000312	PASS
N7	15	5	DFT-16QAM	M	Outer_Full	NV	50	1.100000	0.000434	PASS
N7	15	5	DFT-QPSK	H	Outer_Full	NV	-30	4.800000	0.001870	PASS
N7	15	5	DFT-QPSK	H	Outer_Full	NV	-20	3.590000	0.001398	PASS
N7	15	5	DFT-QPSK	H	Outer_Full	NV	-10	3.550000	0.001383	PASS
N7	15	5	DFT-QPSK	H	Outer_Full	NV	0	6.030000	0.002349	PASS
N7	15	5	DFT-QPSK	H	Outer_Full	NV	10	4.179999	0.001628	PASS
N7	15	5	DFT-QPSK	H	Outer_Full	NV	20	3.360000	0.001309	PASS
N7	15	5	DFT-QPSK	H	Outer_Full	NV	30	4.570000	0.001780	PASS
N7	15	5	DFT-QPSK	H	Outer_Full	NV	40	4.170000	0.001624	PASS
N7	15	5	DFT-QPSK	H	Outer_Full	NV	50	0.510000	0.000199	PASS
N7	15	5	DFT-16QAM	H	Outer_Full	NV	-30	3.710000	0.001445	PASS
N7	15	5	DFT-16QAM	H	Outer_Full	NV	-20	3.680000	0.001433	PASS
N7	15	5	DFT-16QAM	H	Outer_Full	NV	-10	2.029999	0.000791	PASS
N7	15	5	DFT-16QAM	H	Outer_Full	NV	0	5.630000	0.002193	PASS
N7	15	5	DFT-16QAM	H	Outer_Full	NV	10	2.069999	0.000806	PASS
N7	15	5	DFT-16QAM	H	Outer_Full	NV	20	3.590000	0.001398	PASS
N7	15	5	DFT-16QAM	H	Outer_Full	NV	30	2.520000	0.000981	PASS
N7	15	5	DFT-16QAM	H	Outer_Full	NV	40	3.330000	0.001297	PASS
N7	15	5	DFT-16QAM	H	Outer_Full	NV	50	4.260000	0.001659	PASS
N7	15	10	DFT-QPSK	L	Outer_Full	NV	-30	-2.230000	-0.000890	PASS
N7	15	10	DFT-QPSK	L	Outer_Full	NV	-20	-0.750000	-0.000299	PASS
N7	15	10	DFT-QPSK	L	Outer_Full	NV	-10	1.770000	0.000707	PASS
N7	15	10	DFT-QPSK	L	Outer_Full	NV	0	1.770000	0.000707	PASS
N7	15	10	DFT-QPSK	L	Outer_Full	NV	10	0.590000	0.000236	PASS
N7	15	10	DFT-QPSK	L	Outer_Full	NV	20	3.260000	0.001301	PASS
N7	15	10	DFT-QPSK	L	Outer_Full	NV	30	4.019999	0.001605	PASS
N7	15	10	DFT-QPSK	L	Outer_Full	NV	40	1.570000	0.000627	PASS
N7	15	10	DFT-QPSK	L	Outer_Full	NV	50	3.240000	0.001293	PASS
N7	15	10	DFT-16QAM	L	Outer_Full	NV	-30	1.760000	0.000703	PASS
N7	15	10	DFT-16QAM	L	Outer_Full	NV	-20	2.610000	0.001042	PASS
N7	15	10	DFT-16QAM	L	Outer_Full	NV	-10	0.370000	0.000148	PASS
N7	15	10	DFT-16QAM	L	Outer_Full	NV	0	-2.049999	-0.000818	PASS
N7	15	10	DFT-16QAM	L	Outer_Full	NV	10	1.520000	0.000607	PASS
N7	15	10	DFT-16QAM	L	Outer_Full	NV	20	1.250000	0.000499	PASS
N7	15	10	DFT-16QAM	L	Outer_Full	NV	30	1.130000	0.000451	PASS
N7	15	10	DFT-16QAM	L	Outer_Full	NV	40	0.980000	0.000391	PASS
N7	15	10	DFT-16QAM	L	Outer_Full	NV	50	-0.370000	-0.000148	PASS
N7	15	10	DFT-QPSK	M	Outer_Full	NV	-30	1.350000	0.000533	PASS
N7	15	10	DFT-QPSK	M	Outer_Full	NV	-20	-1.300000	-0.000513	PASS

N7	15	10	DFT-QPSK	M	Outer_Full	NV	-10	1.210000	0.000477	PASS
N7	15	10	DFT-QPSK	M	Outer_Full	NV	0	-1.100000	-0.000434	PASS
N7	15	10	DFT-QPSK	M	Outer_Full	NV	10	0.910000	0.000359	PASS
N7	15	10	DFT-QPSK	M	Outer_Full	NV	20	-0.510000	-0.000201	PASS
N7	15	10	DFT-QPSK	M	Outer_Full	NV	30	-0.310000	-0.000122	PASS
N7	15	10	DFT-QPSK	M	Outer_Full	NV	40	-0.870000	-0.000343	PASS
N7	15	10	DFT-QPSK	M	Outer_Full	NV	50	-0.140000	-0.000055	PASS
N7	15	10	DFT-16QAM	M	Outer_Full	NV	-30	2.660000	0.001049	PASS
N7	15	10	DFT-16QAM	M	Outer_Full	NV	-20	0.610000	0.000241	PASS
N7	15	10	DFT-16QAM	M	Outer_Full	NV	-10	1.300000	0.000513	PASS
N7	15	10	DFT-16QAM	M	Outer_Full	NV	0	0.800000	0.000316	PASS
N7	15	10	DFT-16QAM	M	Outer_Full	NV	10	-1.970000	-0.000777	PASS
N7	15	10	DFT-16QAM	M	Outer_Full	NV	20	-1.260000	-0.000497	PASS
N7	15	10	DFT-16QAM	M	Outer_Full	NV	30	-2.620000	-0.001034	PASS
N7	15	10	DFT-16QAM	M	Outer_Full	NV	40	-0.400000	-0.000158	PASS
N7	15	10	DFT-16QAM	M	Outer_Full	NV	50	0.020000	0.000008	PASS
N7	15	10	DFT-QPSK	H	Outer_Full	NV	-30	-0.670000	-0.000261	PASS
N7	15	10	DFT-QPSK	H	Outer_Full	NV	-20	-1.790000	-0.000698	PASS
N7	15	10	DFT-QPSK	H	Outer_Full	NV	-10	-0.190000	-0.000074	PASS
N7	15	10	DFT-QPSK	H	Outer_Full	NV	0	-4.070000	-0.001587	PASS
N7	15	10	DFT-QPSK	H	Outer_Full	NV	10	0.360000	0.000140	PASS
N7	15	10	DFT-QPSK	H	Outer_Full	NV	20	-1.700000	-0.000663	PASS
N7	15	10	DFT-QPSK	H	Outer_Full	NV	30	1.550000	0.000604	PASS
N7	15	10	DFT-QPSK	H	Outer_Full	NV	40	1.610000	0.000628	PASS
N7	15	10	DFT-QPSK	H	Outer_Full	NV	50	-1.560000	-0.000608	PASS
N7	15	10	DFT-16QAM	H	Outer_Full	NV	-30	0.300000	0.000117	PASS
N7	15	10	DFT-16QAM	H	Outer_Full	NV	-20	-2.029999	-0.000791	PASS
N7	15	10	DFT-16QAM	H	Outer_Full	NV	-10	0.810000	0.000316	PASS
N7	15	10	DFT-16QAM	H	Outer_Full	NV	0	-2.069999	-0.000807	PASS
N7	15	10	DFT-16QAM	H	Outer_Full	NV	10	-2.270000	-0.000885	PASS
N7	15	10	DFT-16QAM	H	Outer_Full	NV	20	-1.540000	-0.000600	PASS
N7	15	10	DFT-16QAM	H	Outer_Full	NV	30	-0.520000	-0.000203	PASS
N7	15	10	DFT-16QAM	H	Outer_Full	NV	40	-1.070000	-0.000417	PASS
N7	15	10	DFT-16QAM	H	Outer_Full	NV	50	-1.720000	-0.000671	PASS
N7	15	15	DFT-QPSK	L	Outer_Full	NV	-30	-5.180000	-0.002066	PASS
N7	15	15	DFT-QPSK	L	Outer_Full	NV	-20	1.150000	0.000459	PASS
N7	15	15	DFT-QPSK	L	Outer_Full	NV	-10	-1.700000	-0.000678	PASS
N7	15	15	DFT-QPSK	L	Outer_Full	NV	0	-0.070000	-0.000028	PASS
N7	15	15	DFT-QPSK	L	Outer_Full	NV	10	-0.910000	-0.000363	PASS
N7	15	15	DFT-QPSK	L	Outer_Full	NV	20	-1.480000	-0.000590	PASS

N7	15	15	DFT-QPSK	L	Outer_Full	NV	30	0.280000	0.000112	PASS
N7	15	15	DFT-QPSK	L	Outer_Full	NV	40	-1.120000	-0.000447	PASS
N7	15	15	DFT-QPSK	L	Outer_Full	NV	50	-1.480000	-0.000590	PASS
N7	15	15	DFT-16QAM	L	Outer_Full	NV	-30	-3.420000	-0.001364	PASS
N7	15	15	DFT-16QAM	L	Outer_Full	NV	-20	-2.220000	-0.000885	PASS
N7	15	15	DFT-16QAM	L	Outer_Full	NV	-10	-0.710000	-0.000283	PASS
N7	15	15	DFT-16QAM	L	Outer_Full	NV	0	1.380000	0.000550	PASS
N7	15	15	DFT-16QAM	L	Outer_Full	NV	10	-0.740000	-0.000295	PASS
N7	15	15	DFT-16QAM	L	Outer_Full	NV	20	-3.180000	-0.001268	PASS
N7	15	15	DFT-16QAM	L	Outer_Full	NV	30	-1.160000	-0.000463	PASS
N7	15	15	DFT-16QAM	L	Outer_Full	NV	40	-1.980000	-0.000790	PASS
N7	15	15	DFT-16QAM	L	Outer_Full	NV	50	-0.220000	-0.000088	PASS
N7	15	15	DFT-QPSK	M	Outer_Full	NV	-30	-3.210000	-0.001266	PASS
N7	15	15	DFT-QPSK	M	Outer_Full	NV	-20	-1.300000	-0.000513	PASS
N7	15	15	DFT-QPSK	M	Outer_Full	NV	-10	-4.260000	-0.001680	PASS
N7	15	15	DFT-QPSK	M	Outer_Full	NV	0	-2.029999	-0.000801	PASS
N7	15	15	DFT-QPSK	M	Outer_Full	NV	10	-1.930000	-0.000761	PASS
N7	15	15	DFT-QPSK	M	Outer_Full	NV	20	-3.280000	-0.001294	PASS
N7	15	15	DFT-QPSK	M	Outer_Full	NV	30	-2.410000	-0.000951	PASS
N7	15	15	DFT-QPSK	M	Outer_Full	NV	40	-3.200000	-0.001262	PASS
N7	15	15	DFT-QPSK	M	Outer_Full	NV	50	-2.260000	-0.000892	PASS
N7	15	15	DFT-16QAM	M	Outer_Full	NV	-30	-0.200000	-0.000079	PASS
N7	15	15	DFT-16QAM	M	Outer_Full	NV	-20	-3.780000	-0.001491	PASS
N7	15	15	DFT-16QAM	M	Outer_Full	NV	-10	-2.420000	-0.000955	PASS
N7	15	15	DFT-16QAM	M	Outer_Full	NV	0	-1.510000	-0.000596	PASS
N7	15	15	DFT-16QAM	M	Outer_Full	NV	10	-3.230000	-0.001274	PASS
N7	15	15	DFT-16QAM	M	Outer_Full	NV	20	-2.540000	-0.001002	PASS
N7	15	15	DFT-16QAM	M	Outer_Full	NV	30	-3.420000	-0.001349	PASS
N7	15	15	DFT-16QAM	M	Outer_Full	NV	40	-3.470000	-0.001369	PASS
N7	15	15	DFT-16QAM	M	Outer_Full	NV	50	-2.040000	-0.000805	PASS
N7	15	15	DFT-QPSK	H	Outer_Full	NV	-30	-3.510000	-0.001370	PASS
N7	15	15	DFT-QPSK	H	Outer_Full	NV	-20	-3.930000	-0.001534	PASS
N7	15	15	DFT-QPSK	H	Outer_Full	NV	-10	-5.400000	-0.002107	PASS
N7	15	15	DFT-QPSK	H	Outer_Full	NV	0	-5.180000	-0.002020	PASS
N7	15	15	DFT-QPSK	H	Outer_Full	NV	10	-1.490000	-0.000581	PASS
N7	15	15	DFT-QPSK	H	Outer_Full	NV	20	-2.920000	-0.001140	PASS
N7	15	15	DFT-QPSK	H	Outer_Full	NV	30	-4.880000	-0.001904	PASS
N7	15	15	DFT-QPSK	H	Outer_Full	NV	40	-4.860000	-0.001897	PASS
N7	15	15	DFT-QPSK	H	Outer_Full	NV	50	-3.650000	-0.001424	PASS
N7	15	15	DFT-16QAM	H	Outer_Full	NV	-30	-4.520000	-0.001764	PASS

N7	15	15	DFT-16QAM	H	Outer_Full	NV	-20	-4.500000	-0.001756	PASS
N7	15	15	DFT-16QAM	H	Outer_Full	NV	-10	-2.650000	-0.001034	PASS
N7	15	15	DFT-16QAM	H	Outer_Full	NV	0	-4.910000	-0.001916	PASS
N7	15	15	DFT-16QAM	H	Outer_Full	NV	10	-5.950000	-0.002322	PASS
N7	15	15	DFT-16QAM	H	Outer_Full	NV	20	-4.500000	-0.001756	PASS
N7	15	15	DFT-16QAM	H	Outer_Full	NV	30	-2.130000	-0.000831	PASS
N7	15	15	DFT-16QAM	H	Outer_Full	NV	40	-6.070000	-0.002369	PASS
N7	15	15	DFT-16QAM	H	Outer_Full	NV	50	-6.770000	-0.002642	PASS
N7	15	20	DFT-QPSK	L	Outer_Full	NV	-30	-3.640000	-0.001450	PASS
N7	15	20	DFT-QPSK	L	Outer_Full	NV	-20	-3.180000	-0.001267	PASS
N7	15	20	DFT-QPSK	L	Outer_Full	NV	-10	-6.570000	-0.002618	PASS
N7	15	20	DFT-QPSK	L	Outer_Full	NV	0	-8.160000	-0.003251	PASS
N7	15	20	DFT-QPSK	L	Outer_Full	NV	10	-5.280000	-0.002104	PASS
N7	15	20	DFT-QPSK	L	Outer_Full	NV	20	-8.350000	-0.003327	PASS
N7	15	20	DFT-QPSK	L	Outer_Full	NV	30	-8.770000	-0.003494	PASS
N7	15	20	DFT-QPSK	L	Outer_Full	NV	40	-7.320000	-0.002916	PASS
N7	15	20	DFT-QPSK	L	Outer_Full	NV	50	-4.790000	-0.001908	PASS
N7	15	20	DFT-16QAM	L	Outer_Full	NV	-30	-5.220000	-0.002080	PASS
N7	15	20	DFT-16QAM	L	Outer_Full	NV	-20	-3.230000	-0.001287	PASS
N7	15	20	DFT-16QAM	L	Outer_Full	NV	-10	-5.630000	-0.002243	PASS
N7	15	20	DFT-16QAM	L	Outer_Full	NV	0	-4.630000	-0.001845	PASS
N7	15	20	DFT-16QAM	L	Outer_Full	NV	10	-6.750000	-0.002689	PASS
N7	15	20	DFT-16QAM	L	Outer_Full	NV	20	-7.000000	-0.002789	PASS
N7	15	20	DFT-16QAM	L	Outer_Full	NV	30	-4.650000	-0.001853	PASS
N7	15	20	DFT-16QAM	L	Outer_Full	NV	40	-5.020000	-0.002000	PASS
N7	15	20	DFT-16QAM	L	Outer_Full	NV	50	-6.980000	-0.002781	PASS
N7	15	20	DFT-QPSK	M	Outer_Full	NV	-30	-0.420000	-0.000166	PASS
N7	15	20	DFT-QPSK	M	Outer_Full	NV	-20	-2.620000	-0.001034	PASS
N7	15	20	DFT-QPSK	M	Outer_Full	NV	-10	-0.890000	-0.000351	PASS
N7	15	20	DFT-QPSK	M	Outer_Full	NV	0	-0.390000	-0.000154	PASS
N7	15	20	DFT-QPSK	M	Outer_Full	NV	10	0.850000	0.000335	PASS
N7	15	20	DFT-QPSK	M	Outer_Full	NV	20	0.110000	0.000043	PASS
N7	15	20	DFT-QPSK	M	Outer_Full	NV	30	-4.220000	-0.001665	PASS
N7	15	20	DFT-QPSK	M	Outer_Full	NV	40	-0.540000	-0.000213	PASS
N7	15	20	DFT-QPSK	M	Outer_Full	NV	50	-0.390000	-0.000154	PASS
N7	15	20	DFT-16QAM	M	Outer_Full	NV	-30	-2.780000	-0.001097	PASS
N7	15	20	DFT-16QAM	M	Outer_Full	NV	-20	-3.800000	-0.001499	PASS
N7	15	20	DFT-16QAM	M	Outer_Full	NV	-10	-0.200000	-0.000079	PASS
N7	15	20	DFT-16QAM	M	Outer_Full	NV	0	-1.770000	-0.000698	PASS
N7	15	20	DFT-16QAM	M	Outer_Full	NV	10	-3.290000	-0.001298	PASS

N7	15	20	DFT-16QAM	M	Outer_Full	NV	20	-0.530000	-0.000209	PASS
N7	15	20	DFT-16QAM	M	Outer_Full	NV	30	-0.180000	-0.000071	PASS
N7	15	20	DFT-16QAM	M	Outer_Full	NV	40	-2.630000	-0.001037	PASS
N7	15	20	DFT-16QAM	M	Outer_Full	NV	50	-0.970000	-0.000383	PASS
N7	15	20	DFT-QPSK	H	Outer_Full	NV	-30	-3.300000	-0.001289	PASS
N7	15	20	DFT-QPSK	H	Outer_Full	NV	-20	-4.940000	-0.001930	PASS
N7	15	20	DFT-QPSK	H	Outer_Full	NV	-10	-4.120000	-0.001609	PASS
N7	15	20	DFT-QPSK	H	Outer_Full	NV	0	-4.480000	-0.001750	PASS
N7	15	20	DFT-QPSK	H	Outer_Full	NV	10	-2.150000	-0.000840	PASS
N7	15	20	DFT-QPSK	H	Outer_Full	NV	20	-3.990000	-0.001559	PASS
N7	15	20	DFT-QPSK	H	Outer_Full	NV	30	-5.540000	-0.002164	PASS
N7	15	20	DFT-QPSK	H	Outer_Full	NV	40	-5.170000	-0.002020	PASS
N7	15	20	DFT-QPSK	H	Outer_Full	NV	50	-4.210000	-0.001645	PASS
N7	15	20	DFT-16QAM	H	Outer_Full	NV	-30	-5.020000	-0.001961	PASS
N7	15	20	DFT-16QAM	H	Outer_Full	NV	-20	-5.400000	-0.002109	PASS
N7	15	20	DFT-16QAM	H	Outer_Full	NV	-10	-3.200000	-0.001250	PASS
N7	15	20	DFT-16QAM	H	Outer_Full	NV	0	-6.400000	-0.002500	PASS
N7	15	20	DFT-16QAM	H	Outer_Full	NV	10	-1.250000	-0.000488	PASS
N7	15	20	DFT-16QAM	H	Outer_Full	NV	20	0.400000	0.000156	PASS
N7	15	20	DFT-16QAM	H	Outer_Full	NV	30	-4.380000	-0.001711	PASS
N7	15	20	DFT-16QAM	H	Outer_Full	NV	40	-2.940000	-0.001148	PASS
N7	15	20	DFT-16QAM	H	Outer_Full	NV	50	-5.380000	-0.002102	PASS