

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
N71	15	5	DFT-QPSK	L	Outer_Full	VL	NT	0.340000	0.000510	PASS
N71	15	5	DFT-QPSK	L	Outer_Full	VN	NT	0.120000	0.000180	PASS
N71	15	5	DFT-QPSK	L	Outer_Full	VH	NT	-0.040000	-0.000060	PASS
N71	15	5	DFT-16QAM	L	Outer_Full	VL	NT	0.330000	0.000496	PASS
N71	15	5	DFT-16QAM	L	Outer_Full	VN	NT	-0.240000	-0.000361	PASS
N71	15	5	DFT-16QAM	L	Outer_Full	VH	NT	-0.850000	-0.001277	PASS
N71	15	5	DFT-QPSK	M	Outer_Full	VL	NT	0.480000	0.000705	PASS
N71	15	5	DFT-QPSK	M	Outer_Full	VN	NT	0.540000	0.000794	PASS
N71	15	5	DFT-QPSK	M	Outer_Full	VH	NT	0.380000	0.000558	PASS
N71	15	5	DFT-16QAM	M	Outer_Full	VL	NT	-0.370000	-0.000544	PASS
N71	15	5	DFT-16QAM	M	Outer_Full	VN	NT	-0.010000	-0.000015	PASS
N71	15	5	DFT-16QAM	M	Outer_Full	VH	NT	0.200000	0.000294	PASS
N71	15	5	DFT-QPSK	H	Outer_Full	VL	NT	-0.350000	-0.000503	PASS
N71	15	5	DFT-QPSK	H	Outer_Full	VN	NT	0.270000	0.000388	PASS
N71	15	5	DFT-QPSK	H	Outer_Full	VH	NT	-0.470000	-0.000676	PASS
N71	15	5	DFT-16QAM	H	Outer_Full	VL	NT	-0.270000	-0.000388	PASS
N71	15	5	DFT-16QAM	H	Outer_Full	VN	NT	-0.370000	-0.000532	PASS
N71	15	5	DFT-16QAM	H	Outer_Full	VH	NT	-0.260000	-0.000374	PASS
N71	15	10	DFT-QPSK	L	Outer_Full	VL	NT	-1.990000	-0.002979	PASS
N71	15	10	DFT-QPSK	L	Outer_Full	VN	NT	-1.210000	-0.001811	PASS
N71	15	10	DFT-QPSK	L	Outer_Full	VH	NT	-1.580000	-0.002365	PASS
N71	15	10	DFT-16QAM	L	Outer_Full	VL	NT	-1.390000	-0.002081	PASS
N71	15	10	DFT-16QAM	L	Outer_Full	VN	NT	-1.860000	-0.002784	PASS
N71	15	10	DFT-16QAM	L	Outer_Full	VH	NT	-1.570000	-0.002350	PASS
N71	15	10	DFT-QPSK	M	Outer_Full	VL	NT	-1.790000	-0.002630	PASS
N71	15	10	DFT-QPSK	M	Outer_Full	VN	NT	-2.150000	-0.003159	PASS
N71	15	10	DFT-QPSK	M	Outer_Full	VH	NT	-1.490000	-0.002190	PASS
N71	15	10	DFT-16QAM	M	Outer_Full	VL	NT	-2.270000	-0.003336	PASS
N71	15	10	DFT-16QAM	M	Outer_Full	VN	NT	-1.960000	-0.002880	PASS
N71	15	10	DFT-16QAM	M	Outer_Full	VH	NT	-1.060000	-0.001558	PASS
N71	15	10	DFT-QPSK	H	Outer_Full	VL	NT	-2.100000	-0.003030	PASS
N71	15	10	DFT-QPSK	H	Outer_Full	VN	NT	-1.740000	-0.002511	PASS

N71	15	10	DFT-QPSK	H	Outer_Full	VH	NT	-1.720000	-0.002482	PASS
N71	15	10	DFT-16QAM	H	Outer_Full	VL	NT	-1.610000	-0.002323	PASS
N71	15	10	DFT-16QAM	H	Outer_Full	VN	NT	-2.060000	-0.002973	PASS
N71	15	10	DFT-16QAM	H	Outer_Full	VH	NT	-2.420000	-0.003492	PASS
N71	15	15	DFT-QPSK	L	Outer_Full	VL	NT	-3.630000	-0.005414	PASS
N71	15	15	DFT-QPSK	L	Outer_Full	VN	NT	-3.420000	-0.005101	PASS
N71	15	15	DFT-QPSK	L	Outer_Full	VH	NT	-3.450000	-0.005145	PASS
N71	15	15	DFT-16QAM	L	Outer_Full	VL	NT	-4.030000	-0.006010	PASS
N71	15	15	DFT-16QAM	L	Outer_Full	VN	NT	-4.139999	-0.006174	PASS
N71	15	15	DFT-16QAM	L	Outer_Full	VH	NT	-3.540000	-0.005280	PASS
N71	15	15	DFT-QPSK	M	Outer_Full	VL	NT	-3.510000	-0.005158	PASS
N71	15	15	DFT-QPSK	M	Outer_Full	VN	NT	-3.290000	-0.004835	PASS
N71	15	15	DFT-QPSK	M	Outer_Full	VH	NT	-3.660000	-0.005378	PASS
N71	15	15	DFT-16QAM	M	Outer_Full	VL	NT	-3.390000	-0.004982	PASS
N71	15	15	DFT-16QAM	M	Outer_Full	VN	NT	-3.080000	-0.004526	PASS
N71	15	15	DFT-16QAM	M	Outer_Full	VH	NT	-3.660000	-0.005378	PASS
N71	15	15	DFT-QPSK	H	Outer_Full	VL	NT	-3.910000	-0.005663	PASS
N71	15	15	DFT-QPSK	H	Outer_Full	VN	NT	-3.200000	-0.004634	PASS
N71	15	15	DFT-QPSK	H	Outer_Full	VH	NT	-3.580000	-0.005185	PASS
N71	15	15	DFT-16QAM	H	Outer_Full	VL	NT	-3.490000	-0.005054	PASS
N71	15	15	DFT-16QAM	H	Outer_Full	VN	NT	-3.560000	-0.005156	PASS
N71	15	15	DFT-16QAM	H	Outer_Full	VH	NT	-3.890000	-0.005634	PASS
N71	15	20	DFT-QPSK	L	Outer_Full	VL	NT	-5.710000	-0.008484	PASS
N71	15	20	DFT-QPSK	L	Outer_Full	VN	NT	-4.900000	-0.007281	PASS
N71	15	20	DFT-QPSK	L	Outer_Full	VH	NT	-6.410000	-0.009525	PASS
N71	15	20	DFT-16QAM	L	Outer_Full	VL	NT	-5.400000	-0.008024	PASS
N71	15	20	DFT-16QAM	L	Outer_Full	VN	NT	-5.950000	-0.008841	PASS
N71	15	20	DFT-16QAM	L	Outer_Full	VH	NT	-6.080000	-0.009034	PASS
N71	15	20	DFT-QPSK	M	Outer_Full	VL	NT	-5.900000	-0.008670	PASS
N71	15	20	DFT-QPSK	M	Outer_Full	VN	NT	-5.790000	-0.008508	PASS
N71	15	20	DFT-QPSK	M	Outer_Full	VH	NT	-5.870000	-0.008626	PASS
N71	15	20	DFT-16QAM	M	Outer_Full	VL	NT	-5.670000	-0.008332	PASS
N71	15	20	DFT-16QAM	M	Outer_Full	VN	NT	-5.460000	-0.008024	PASS
N71	15	20	DFT-16QAM	M	Outer_Full	VH	NT	-5.700000	-0.008376	PASS
N71	15	20	DFT-QPSK	H	Outer_Full	VL	NT	-5.930000	-0.008619	PASS
N71	15	20	DFT-QPSK	H	Outer_Full	VN	NT	-5.470000	-0.007951	PASS
N71	15	20	DFT-QPSK	H	Outer_Full	VH	NT	-5.240000	-0.007616	PASS
N71	15	20	DFT-16QAM	H	Outer_Full	VL	NT	-4.990000	-0.007253	PASS
N71	15	20	DFT-16QAM	H	Outer_Full	VN	NT	-5.530000	-0.008038	PASS
N71	15	20	DFT-16QAM	H	Outer_Full	VH	NT	-5.460000	-0.007936	PASS

Frequency Error VS. Temperature

Voltage										
Band	SCS	Bandwidth	Modulation	Channel	RB Config	Voltage	Temperature	Deviation(Hz)	Deviation (ppm)	Verdict
N71	15	5	DFT-QPSK	L	Outer_Full	NV	-30	0.160000	0.000240	PASS
N71	15	5	DFT-QPSK	L	Outer_Full	NV	-20	-0.100000	-0.000150	PASS
N71	15	5	DFT-QPSK	L	Outer_Full	NV	-10	-0.400000	-0.000601	PASS
N71	15	5	DFT-QPSK	L	Outer_Full	NV	0	-0.400000	-0.000601	PASS
N71	15	5	DFT-QPSK	L	Outer_Full	NV	10	-0.020000	-0.000030	PASS
N71	15	5	DFT-QPSK	L	Outer_Full	NV	20	0.000000	0.000000	PASS
N71	15	5	DFT-QPSK	L	Outer_Full	NV	30	-0.610000	-0.000917	PASS
N71	15	5	DFT-QPSK	L	Outer_Full	NV	40	-0.550000	-0.000826	PASS
N71	15	5	DFT-QPSK	L	Outer_Full	NV	50	-0.280000	-0.000421	PASS
N71	15	5	DFT-16QAM	L	Outer_Full	NV	-30	-0.110000	-0.000165	PASS
N71	15	5	DFT-16QAM	L	Outer_Full	NV	-20	-0.380000	-0.000571	PASS
N71	15	5	DFT-16QAM	L	Outer_Full	NV	-10	-0.140000	-0.000210	PASS
N71	15	5	DFT-16QAM	L	Outer_Full	NV	0	-0.050000	-0.000075	PASS
N71	15	5	DFT-16QAM	L	Outer_Full	NV	10	-0.750000	-0.001127	PASS
N71	15	5	DFT-16QAM	L	Outer_Full	NV	20	0.380000	0.000571	PASS
N71	15	5	DFT-16QAM	L	Outer_Full	NV	30	0.190000	0.000285	PASS
N71	15	5	DFT-16QAM	L	Outer_Full	NV	40	-0.060000	-0.000090	PASS
N71	15	5	DFT-16QAM	L	Outer_Full	NV	50	0.110000	0.000165	PASS
N71	15	5	DFT-QPSK	M	Outer_Full	NV	-30	-0.060000	-0.000088	PASS
N71	15	5	DFT-QPSK	M	Outer_Full	NV	-20	-0.250000	-0.000367	PASS
N71	15	5	DFT-QPSK	M	Outer_Full	NV	-10	-0.090000	-0.000132	PASS
N71	15	5	DFT-QPSK	M	Outer_Full	NV	0	-0.330000	-0.000485	PASS
N71	15	5	DFT-QPSK	M	Outer_Full	NV	10	1.100000	0.001616	PASS
N71	15	5	DFT-QPSK	M	Outer_Full	NV	20	-0.560000	-0.000823	PASS
N71	15	5	DFT-QPSK	M	Outer_Full	NV	30	0.680000	0.000999	PASS
N71	15	5	DFT-QPSK	M	Outer_Full	NV	40	0.250000	0.000367	PASS
N71	15	5	DFT-QPSK	M	Outer_Full	NV	50	0.120000	0.000176	PASS
N71	15	5	DFT-16QAM	M	Outer_Full	NV	-30	-0.660000	-0.000970	PASS
N71	15	5	DFT-16QAM	M	Outer_Full	NV	-20	-0.120000	-0.000176	PASS
N71	15	5	DFT-16QAM	M	Outer_Full	NV	-10	-0.340000	-0.000500	PASS
N71	15	5	DFT-16QAM	M	Outer_Full	NV	0	0.220000	0.000323	PASS
N71	15	5	DFT-16QAM	M	Outer_Full	NV	10	-0.210000	-0.000309	PASS
N71	15	5	DFT-16QAM	M	Outer_Full	NV	20	0.770000	0.001132	PASS
N71	15	5	DFT-16QAM	M	Outer_Full	NV	30	-0.300000	-0.000441	PASS
N71	15	5	DFT-16QAM	M	Outer_Full	NV	40	-0.070000	-0.000103	PASS

N71	15	5	DFT-16QAM	M	Outer_Full	NV	50	0.160000	0.000235	PASS
N71	15	5	DFT-QPSK	H	Outer_Full	NV	-30	-0.020000	-0.000029	PASS
N71	15	5	DFT-QPSK	H	Outer_Full	NV	-20	0.710000	0.001021	PASS
N71	15	5	DFT-QPSK	H	Outer_Full	NV	-10	-0.160000	-0.000230	PASS
N71	15	5	DFT-QPSK	H	Outer_Full	NV	0	0.160000	0.000230	PASS
N71	15	5	DFT-QPSK	H	Outer_Full	NV	10	-0.410000	-0.000590	PASS
N71	15	5	DFT-QPSK	H	Outer_Full	NV	20	0.490000	0.000705	PASS
N71	15	5	DFT-QPSK	H	Outer_Full	NV	30	-0.070000	-0.000101	PASS
N71	15	5	DFT-QPSK	H	Outer_Full	NV	40	0.230000	0.000331	PASS
N71	15	5	DFT-QPSK	H	Outer_Full	NV	50	-0.380000	-0.000546	PASS
N71	15	5	DFT-16QAM	H	Outer_Full	NV	-30	0.180000	0.000259	PASS
N71	15	5	DFT-16QAM	H	Outer_Full	NV	-20	-0.170000	-0.000244	PASS
N71	15	5	DFT-16QAM	H	Outer_Full	NV	-10	0.230000	0.000331	PASS
N71	15	5	DFT-16QAM	H	Outer_Full	NV	0	0.350000	0.000503	PASS
N71	15	5	DFT-16QAM	H	Outer_Full	NV	10	0.940000	0.001352	PASS
N71	15	5	DFT-16QAM	H	Outer_Full	NV	20	-0.170000	-0.000244	PASS
N71	15	5	DFT-16QAM	H	Outer_Full	NV	30	0.470000	0.000676	PASS
N71	15	5	DFT-16QAM	H	Outer_Full	NV	40	0.670000	0.000963	PASS
N71	15	5	DFT-16QAM	H	Outer_Full	NV	50	-0.150000	-0.000216	PASS
N71	15	10	DFT-QPSK	L	Outer_Full	NV	-30	-2.130000	-0.003189	PASS
N71	15	10	DFT-QPSK	L	Outer_Full	NV	-20	-2.350000	-0.003518	PASS
N71	15	10	DFT-QPSK	L	Outer_Full	NV	-10	-2.460000	-0.003683	PASS
N71	15	10	DFT-QPSK	L	Outer_Full	NV	0	-1.590000	-0.002380	PASS
N71	15	10	DFT-QPSK	L	Outer_Full	NV	10	-2.430000	-0.003638	PASS
N71	15	10	DFT-QPSK	L	Outer_Full	NV	20	-1.990000	-0.002979	PASS
N71	15	10	DFT-QPSK	L	Outer_Full	NV	30	-1.640000	-0.002455	PASS
N71	15	10	DFT-QPSK	L	Outer_Full	NV	40	-1.980000	-0.002964	PASS
N71	15	10	DFT-QPSK	L	Outer_Full	NV	50	-1.450000	-0.002171	PASS
N71	15	10	DFT-16QAM	L	Outer_Full	NV	-30	-2.110000	-0.003159	PASS
N71	15	10	DFT-16QAM	L	Outer_Full	NV	-20	-2.049999	-0.003069	PASS
N71	15	10	DFT-16QAM	L	Outer_Full	NV	-10	-2.260000	-0.003383	PASS
N71	15	10	DFT-16QAM	L	Outer_Full	NV	0	-1.290000	-0.001931	PASS
N71	15	10	DFT-16QAM	L	Outer_Full	NV	10	-1.530000	-0.002290	PASS
N71	15	10	DFT-16QAM	L	Outer_Full	NV	20	-1.670000	-0.002500	PASS
N71	15	10	DFT-16QAM	L	Outer_Full	NV	30	-2.210000	-0.003308	PASS
N71	15	10	DFT-16QAM	L	Outer_Full	NV	40	-2.280000	-0.003413	PASS
N71	15	10	DFT-16QAM	L	Outer_Full	NV	50	-1.310000	-0.001961	PASS
N71	15	10	DFT-QPSK	M	Outer_Full	NV	-30	-1.290000	-0.001896	PASS
N71	15	10	DFT-QPSK	M	Outer_Full	NV	-20	-2.380000	-0.003497	PASS
N71	15	10	DFT-QPSK	M	Outer_Full	NV	-10	-2.150000	-0.003159	PASS
N71	15	10	DFT-QPSK	M	Outer_Full	NV	0	-2.380000	-0.003497	PASS

N71	15	10	DFT-QPSK	M	Outer_Full	NV	10	-1.710000	-0.002513	PASS
N71	15	10	DFT-QPSK	M	Outer_Full	NV	20	-2.250000	-0.003306	PASS
N71	15	10	DFT-QPSK	M	Outer_Full	NV	30	-1.830000	-0.002689	PASS
N71	15	10	DFT-QPSK	M	Outer_Full	NV	40	-1.760000	-0.002586	PASS
N71	15	10	DFT-QPSK	M	Outer_Full	NV	50	-1.600000	-0.002351	PASS
N71	15	10	DFT-16QAM	M	Outer_Full	NV	-30	-1.490000	-0.002190	PASS
N71	15	10	DFT-16QAM	M	Outer_Full	NV	-20	-2.400000	-0.003527	PASS
N71	15	10	DFT-16QAM	M	Outer_Full	NV	-10	-1.810000	-0.002660	PASS
N71	15	10	DFT-16QAM	M	Outer_Full	NV	0	-1.800000	-0.002645	PASS
N71	15	10	DFT-16QAM	M	Outer_Full	NV	10	-1.720000	-0.002528	PASS
N71	15	10	DFT-16QAM	M	Outer_Full	NV	20	-1.790000	-0.002630	PASS
N71	15	10	DFT-16QAM	M	Outer_Full	NV	30	-1.770000	-0.002601	PASS
N71	15	10	DFT-16QAM	M	Outer_Full	NV	40	-1.740000	-0.002557	PASS
N71	15	10	DFT-16QAM	M	Outer_Full	NV	50	-1.820000	-0.002675	PASS
N71	15	10	DFT-QPSK	H	Outer_Full	NV	-30	-1.780000	-0.002569	PASS
N71	15	10	DFT-QPSK	H	Outer_Full	NV	-20	-2.190000	-0.003160	PASS
N71	15	10	DFT-QPSK	H	Outer_Full	NV	-10	-1.900000	-0.002742	PASS
N71	15	10	DFT-QPSK	H	Outer_Full	NV	0	-1.410000	-0.002035	PASS
N71	15	10	DFT-QPSK	H	Outer_Full	NV	10	-1.910000	-0.002756	PASS
N71	15	10	DFT-QPSK	H	Outer_Full	NV	20	-2.650000	-0.003824	PASS
N71	15	10	DFT-QPSK	H	Outer_Full	NV	30	-2.650000	-0.003824	PASS
N71	15	10	DFT-QPSK	H	Outer_Full	NV	40	-2.300000	-0.003319	PASS
N71	15	10	DFT-QPSK	H	Outer_Full	NV	50	-2.540000	-0.003665	PASS
N71	15	10	DFT-16QAM	H	Outer_Full	NV	-30	-1.620000	-0.002338	PASS
N71	15	10	DFT-16QAM	H	Outer_Full	NV	-20	-1.410000	-0.002035	PASS
N71	15	10	DFT-16QAM	H	Outer_Full	NV	-10	-2.049999	-0.002958	PASS
N71	15	10	DFT-16QAM	H	Outer_Full	NV	0	-1.290000	-0.001861	PASS
N71	15	10	DFT-16QAM	H	Outer_Full	NV	10	-1.930000	-0.002785	PASS
N71	15	10	DFT-16QAM	H	Outer_Full	NV	20	-1.570000	-0.002266	PASS
N71	15	10	DFT-16QAM	H	Outer_Full	NV	30	-1.600000	-0.002309	PASS
N71	15	10	DFT-16QAM	H	Outer_Full	NV	40	-2.200000	-0.003175	PASS
N71	15	10	DFT-16QAM	H	Outer_Full	NV	50	-2.029999	-0.002929	PASS
N71	15	15	DFT-QPSK	L	Outer_Full	NV	-30	-3.590000	-0.005354	PASS
N71	15	15	DFT-QPSK	L	Outer_Full	NV	-20	-3.190000	-0.004758	PASS
N71	15	15	DFT-QPSK	L	Outer_Full	NV	-10	-3.420000	-0.005101	PASS
N71	15	15	DFT-QPSK	L	Outer_Full	NV	0	-3.590000	-0.005354	PASS
N71	15	15	DFT-QPSK	L	Outer_Full	NV	10	-3.880000	-0.005787	PASS
N71	15	15	DFT-QPSK	L	Outer_Full	NV	20	-3.300000	-0.004922	PASS
N71	15	15	DFT-QPSK	L	Outer_Full	NV	30	-4.070000	-0.006070	PASS
N71	15	15	DFT-QPSK	L	Outer_Full	NV	40	-3.230000	-0.004817	PASS
N71	15	15	DFT-QPSK	L	Outer_Full	NV	50	-4.150000	-0.006189	PASS

N71	15	15	DFT-16QAM	L	Outer_Full	NV	-30	-3.610000	-0.005384	PASS
N71	15	15	DFT-16QAM	L	Outer_Full	NV	-20	-3.960000	-0.005906	PASS
N71	15	15	DFT-16QAM	L	Outer_Full	NV	-10	-4.210000	-0.006279	PASS
N71	15	15	DFT-16QAM	L	Outer_Full	NV	0	-4.540000	-0.006771	PASS
N71	15	15	DFT-16QAM	L	Outer_Full	NV	10	-3.500000	-0.005220	PASS
N71	15	15	DFT-16QAM	L	Outer_Full	NV	20	-3.500000	-0.005220	PASS
N71	15	15	DFT-16QAM	L	Outer_Full	NV	30	-3.350000	-0.004996	PASS
N71	15	15	DFT-16QAM	L	Outer_Full	NV	40	-3.500000	-0.005220	PASS
N71	15	15	DFT-16QAM	L	Outer_Full	NV	50	-3.530000	-0.005265	PASS
N71	15	15	DFT-QPSK	M	Outer_Full	NV	-30	-3.520000	-0.005173	PASS
N71	15	15	DFT-QPSK	M	Outer_Full	NV	-20	-3.910000	-0.005746	PASS
N71	15	15	DFT-QPSK	M	Outer_Full	NV	-10	-4.120000	-0.006054	PASS
N71	15	15	DFT-QPSK	M	Outer_Full	NV	0	-4.090000	-0.006010	PASS
N71	15	15	DFT-QPSK	M	Outer_Full	NV	10	-4.550000	-0.006686	PASS
N71	15	15	DFT-QPSK	M	Outer_Full	NV	20	-3.070000	-0.004511	PASS
N71	15	15	DFT-QPSK	M	Outer_Full	NV	30	-3.450000	-0.005070	PASS
N71	15	15	DFT-QPSK	M	Outer_Full	NV	40	-3.860000	-0.005672	PASS
N71	15	15	DFT-QPSK	M	Outer_Full	NV	50	-3.810000	-0.005599	PASS
N71	15	15	DFT-16QAM	M	Outer_Full	NV	-30	-3.730000	-0.005481	PASS
N71	15	15	DFT-16QAM	M	Outer_Full	NV	-20	-3.020000	-0.004438	PASS
N71	15	15	DFT-16QAM	M	Outer_Full	NV	-10	-3.270000	-0.004805	PASS
N71	15	15	DFT-16QAM	M	Outer_Full	NV	0	-3.210000	-0.004717	PASS
N71	15	15	DFT-16QAM	M	Outer_Full	NV	10	-4.220000	-0.006201	PASS
N71	15	15	DFT-16QAM	M	Outer_Full	NV	20	-3.270000	-0.004805	PASS
N71	15	15	DFT-16QAM	M	Outer_Full	NV	30	-3.730000	-0.005481	PASS
N71	15	15	DFT-16QAM	M	Outer_Full	NV	40	-3.010000	-0.004423	PASS
N71	15	15	DFT-16QAM	M	Outer_Full	NV	50	-4.270000	-0.006275	PASS
N71	15	15	DFT-QPSK	H	Outer_Full	NV	-30	-3.660000	-0.005301	PASS
N71	15	15	DFT-QPSK	H	Outer_Full	NV	-20	-3.400000	-0.004924	PASS
N71	15	15	DFT-QPSK	H	Outer_Full	NV	-10	-3.260000	-0.004721	PASS
N71	15	15	DFT-QPSK	H	Outer_Full	NV	0	-3.680000	-0.005329	PASS
N71	15	15	DFT-QPSK	H	Outer_Full	NV	10	-3.660000	-0.005301	PASS
N71	15	15	DFT-QPSK	H	Outer_Full	NV	20	-3.780000	-0.005474	PASS
N71	15	15	DFT-QPSK	H	Outer_Full	NV	30	-3.370000	-0.004881	PASS
N71	15	15	DFT-QPSK	H	Outer_Full	NV	40	-3.640000	-0.005272	PASS
N71	15	15	DFT-QPSK	H	Outer_Full	NV	50	-3.700000	-0.005358	PASS
N71	15	15	DFT-16QAM	H	Outer_Full	NV	-30	-3.910000	-0.005663	PASS
N71	15	15	DFT-16QAM	H	Outer_Full	NV	-20	-3.350000	-0.004852	PASS
N71	15	15	DFT-16QAM	H	Outer_Full	NV	-10	-3.760000	-0.005445	PASS
N71	15	15	DFT-16QAM	H	Outer_Full	NV	0	-3.520000	-0.005098	PASS
N71	15	15	DFT-16QAM	H	Outer_Full	NV	10	-4.240000	-0.006140	PASS

N71	15	15	DFT-16QAM	H	Outer_Full	NV	20	-3.900000	-0.005648	PASS
N71	15	15	DFT-16QAM	H	Outer_Full	NV	30	-3.500000	-0.005069	PASS
N71	15	15	DFT-16QAM	H	Outer_Full	NV	40	-3.540000	-0.005127	PASS
N71	15	15	DFT-16QAM	H	Outer_Full	NV	50	-3.720000	-0.005387	PASS
N71	15	20	DFT-QPSK	L	Outer_Full	NV	-30	-5.820000	-0.008648	PASS
N71	15	20	DFT-QPSK	L	Outer_Full	NV	-20	-6.020000	-0.008945	PASS
N71	15	20	DFT-QPSK	L	Outer_Full	NV	-10	-5.710000	-0.008484	PASS
N71	15	20	DFT-QPSK	L	Outer_Full	NV	0	-5.880000	-0.008737	PASS
N71	15	20	DFT-QPSK	L	Outer_Full	NV	10	-5.820000	-0.008648	PASS
N71	15	20	DFT-QPSK	L	Outer_Full	NV	20	-5.690000	-0.008455	PASS
N71	15	20	DFT-QPSK	L	Outer_Full	NV	30	-6.100000	-0.009064	PASS
N71	15	20	DFT-QPSK	L	Outer_Full	NV	40	-5.510000	-0.008187	PASS
N71	15	20	DFT-QPSK	L	Outer_Full	NV	50	-5.510000	-0.008187	PASS
N71	15	20	DFT-16QAM	L	Outer_Full	NV	-30	-6.100000	-0.009064	PASS
N71	15	20	DFT-16QAM	L	Outer_Full	NV	-20	-5.160000	-0.007667	PASS
N71	15	20	DFT-16QAM	L	Outer_Full	NV	-10	-6.710000	-0.009970	PASS
N71	15	20	DFT-16QAM	L	Outer_Full	NV	0	-5.680000	-0.008440	PASS
N71	15	20	DFT-16QAM	L	Outer_Full	NV	10	-5.240000	-0.007786	PASS
N71	15	20	DFT-16QAM	L	Outer_Full	NV	20	-5.460000	-0.008113	PASS
N71	15	20	DFT-16QAM	L	Outer_Full	NV	30	-5.260000	-0.007816	PASS
N71	15	20	DFT-16QAM	L	Outer_Full	NV	40	-5.450000	-0.008097	PASS
N71	15	20	DFT-16QAM	L	Outer_Full	NV	50	-5.130000	-0.007623	PASS
N71	15	20	DFT-QPSK	M	Outer_Full	NV	-30	-5.870000	-0.008626	PASS
N71	15	20	DFT-QPSK	M	Outer_Full	NV	-20	-5.750000	-0.008450	PASS
N71	15	20	DFT-QPSK	M	Outer_Full	NV	-10	-5.510000	-0.008097	PASS
N71	15	20	DFT-QPSK	M	Outer_Full	NV	0	-5.780000	-0.008494	PASS
N71	15	20	DFT-QPSK	M	Outer_Full	NV	10	-4.280000	-0.006289	PASS
N71	15	20	DFT-QPSK	M	Outer_Full	NV	20	-5.280000	-0.007759	PASS
N71	15	20	DFT-QPSK	M	Outer_Full	NV	30	-5.830000	-0.008567	PASS
N71	15	20	DFT-QPSK	M	Outer_Full	NV	40	-5.180000	-0.007612	PASS
N71	15	20	DFT-QPSK	M	Outer_Full	NV	50	-5.120000	-0.007524	PASS
N71	15	20	DFT-16QAM	M	Outer_Full	NV	-30	-5.510000	-0.008097	PASS
N71	15	20	DFT-16QAM	M	Outer_Full	NV	-20	-6.050000	-0.008891	PASS
N71	15	20	DFT-16QAM	M	Outer_Full	NV	-10	-5.660000	-0.008317	PASS
N71	15	20	DFT-16QAM	M	Outer_Full	NV	0	-5.130000	-0.007539	PASS
N71	15	20	DFT-16QAM	M	Outer_Full	NV	10	-4.850000	-0.007127	PASS
N71	15	20	DFT-16QAM	M	Outer_Full	NV	20	-5.960000	-0.008758	PASS
N71	15	20	DFT-16QAM	M	Outer_Full	NV	30	-5.610000	-0.008244	PASS
N71	15	20	DFT-16QAM	M	Outer_Full	NV	40	-5.820000	-0.008553	PASS
N71	15	20	DFT-16QAM	M	Outer_Full	NV	50	-5.420000	-0.007965	PASS
N71	15	20	DFT-QPSK	H	Outer_Full	NV	-30	-4.600000	-0.006686	PASS

N71	15	20	DFT-QPSK	H	Outer_Full	NV	-20	-5.290000	-0.007689	PASS
N71	15	20	DFT-QPSK	H	Outer_Full	NV	-10	-5.650000	-0.008212	PASS
N71	15	20	DFT-QPSK	H	Outer_Full	NV	0	-5.980000	-0.008692	PASS
N71	15	20	DFT-QPSK	H	Outer_Full	NV	10	-6.040000	-0.008779	PASS
N71	15	20	DFT-QPSK	H	Outer_Full	NV	20	-5.540000	-0.008052	PASS
N71	15	20	DFT-QPSK	H	Outer_Full	NV	30	-5.690000	-0.008270	PASS
N71	15	20	DFT-QPSK	H	Outer_Full	NV	40	-5.230000	-0.007602	PASS
N71	15	20	DFT-QPSK	H	Outer_Full	NV	50	-6.380000	-0.009273	PASS
N71	15	20	DFT-16QAM	H	Outer_Full	NV	-30	-5.160000	-0.007500	PASS
N71	15	20	DFT-16QAM	H	Outer_Full	NV	-20	-5.080000	-0.007384	PASS
N71	15	20	DFT-16QAM	H	Outer_Full	NV	-10	-6.160000	-0.008953	PASS
N71	15	20	DFT-16QAM	H	Outer_Full	NV	0	-6.470000	-0.009404	PASS
N71	15	20	DFT-16QAM	H	Outer_Full	NV	10	-5.730000	-0.008328	PASS
N71	15	20	DFT-16QAM	H	Outer_Full	NV	20	-5.730000	-0.008328	PASS
N71	15	20	DFT-16QAM	H	Outer_Full	NV	30	-5.210000	-0.007573	PASS
N71	15	20	DFT-16QAM	H	Outer_Full	NV	40	-5.290000	-0.007689	PASS
N71	15	20	DFT-16QAM	H	Outer_Full	NV	50	-5.820000	-0.008459	PASS