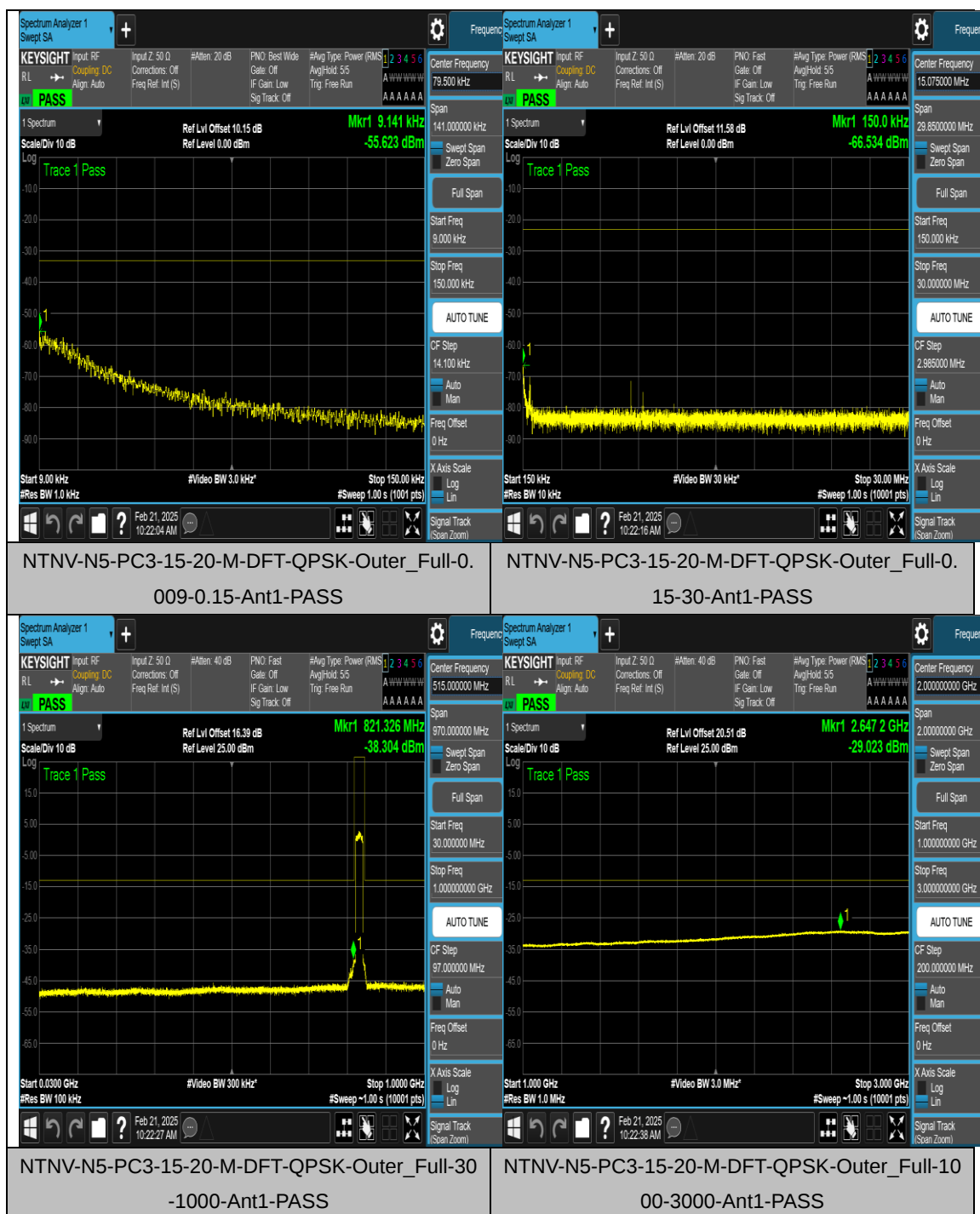
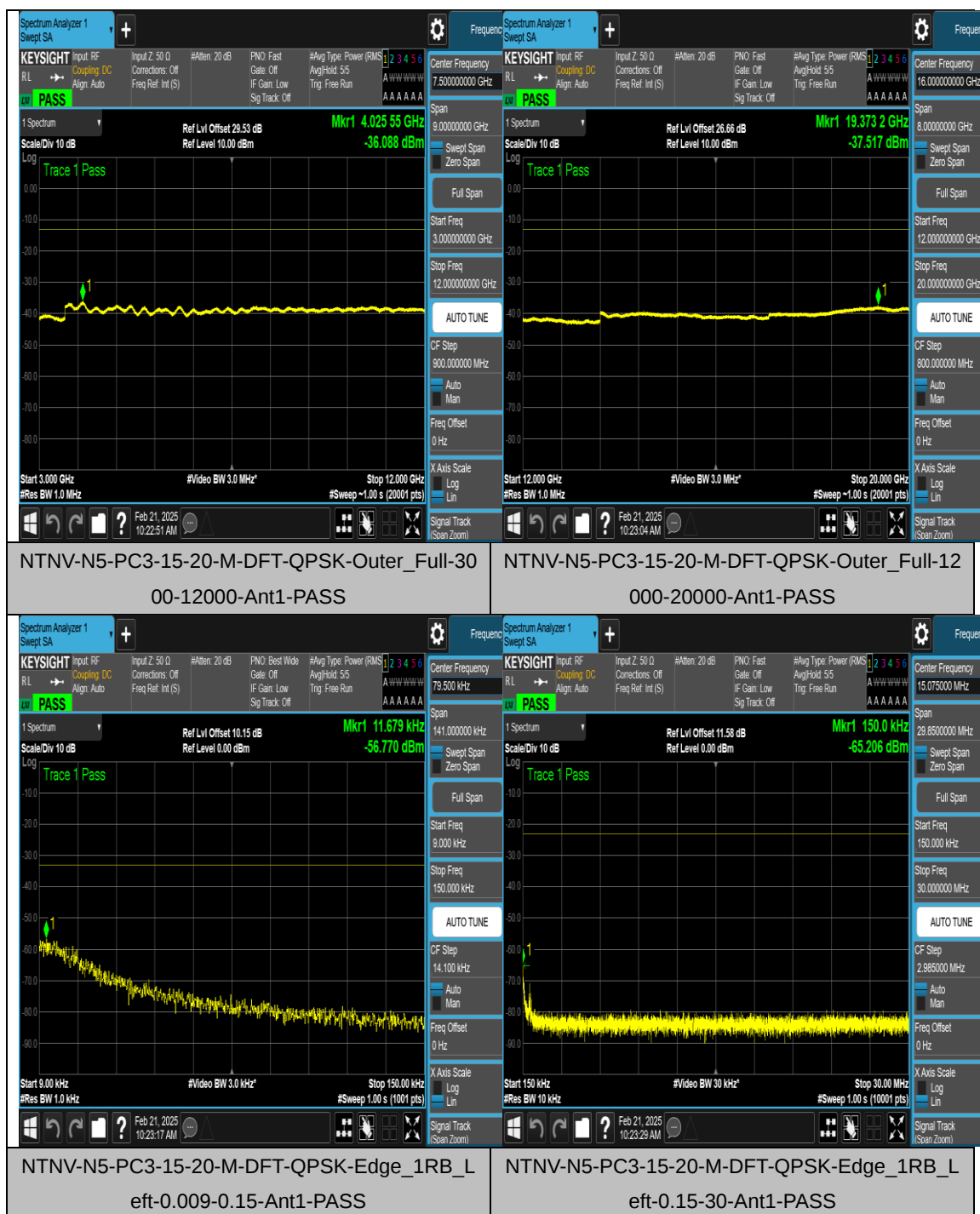
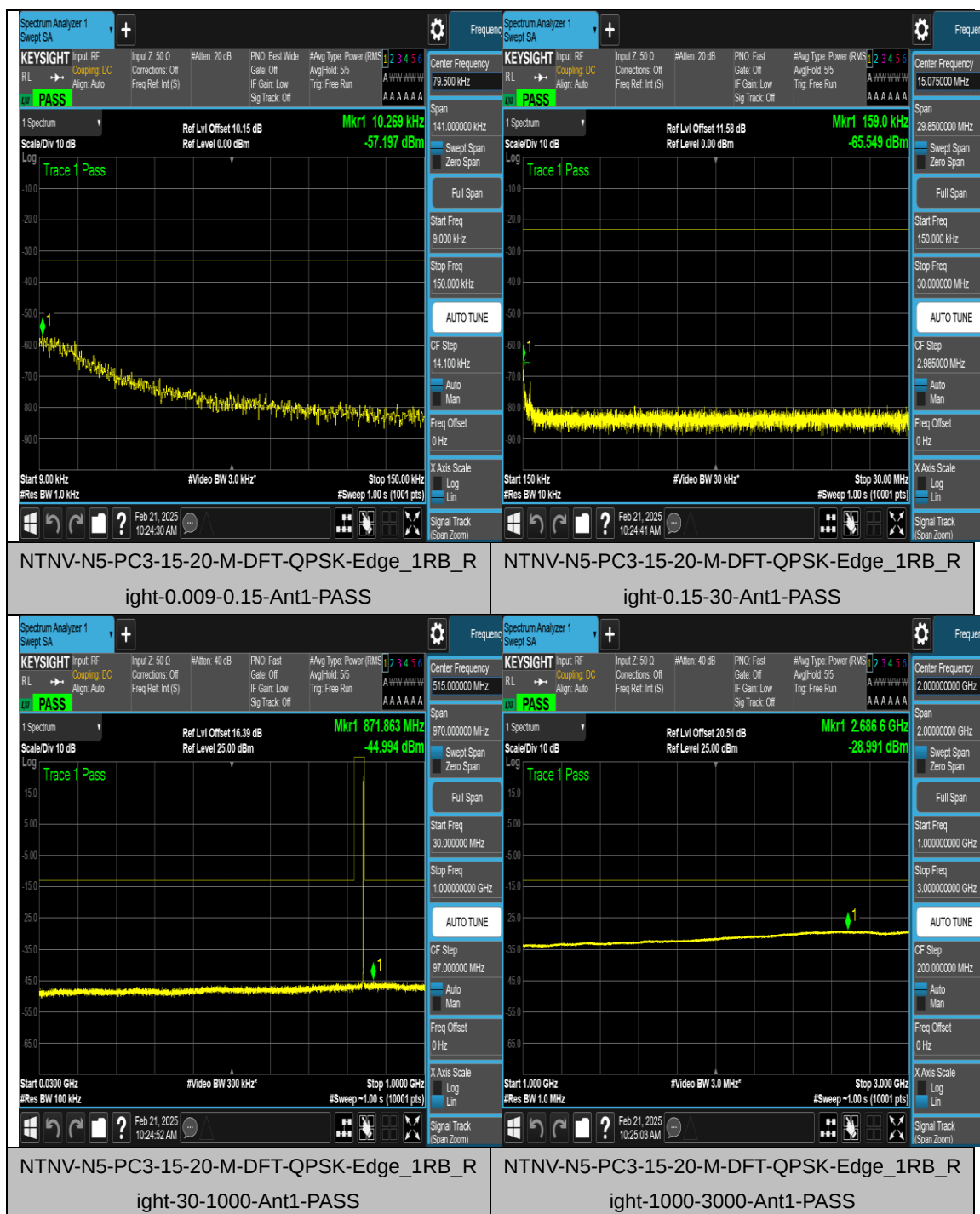


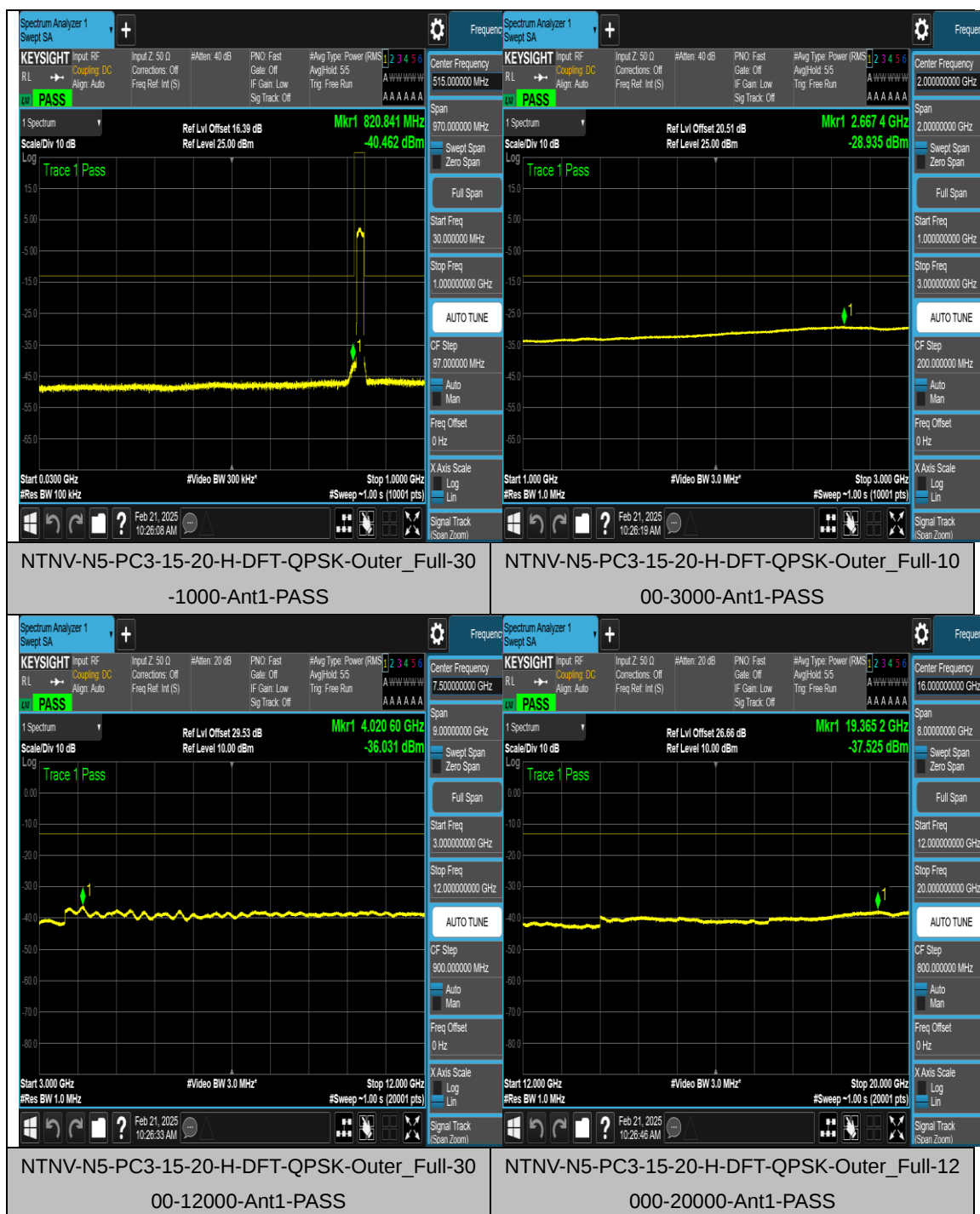


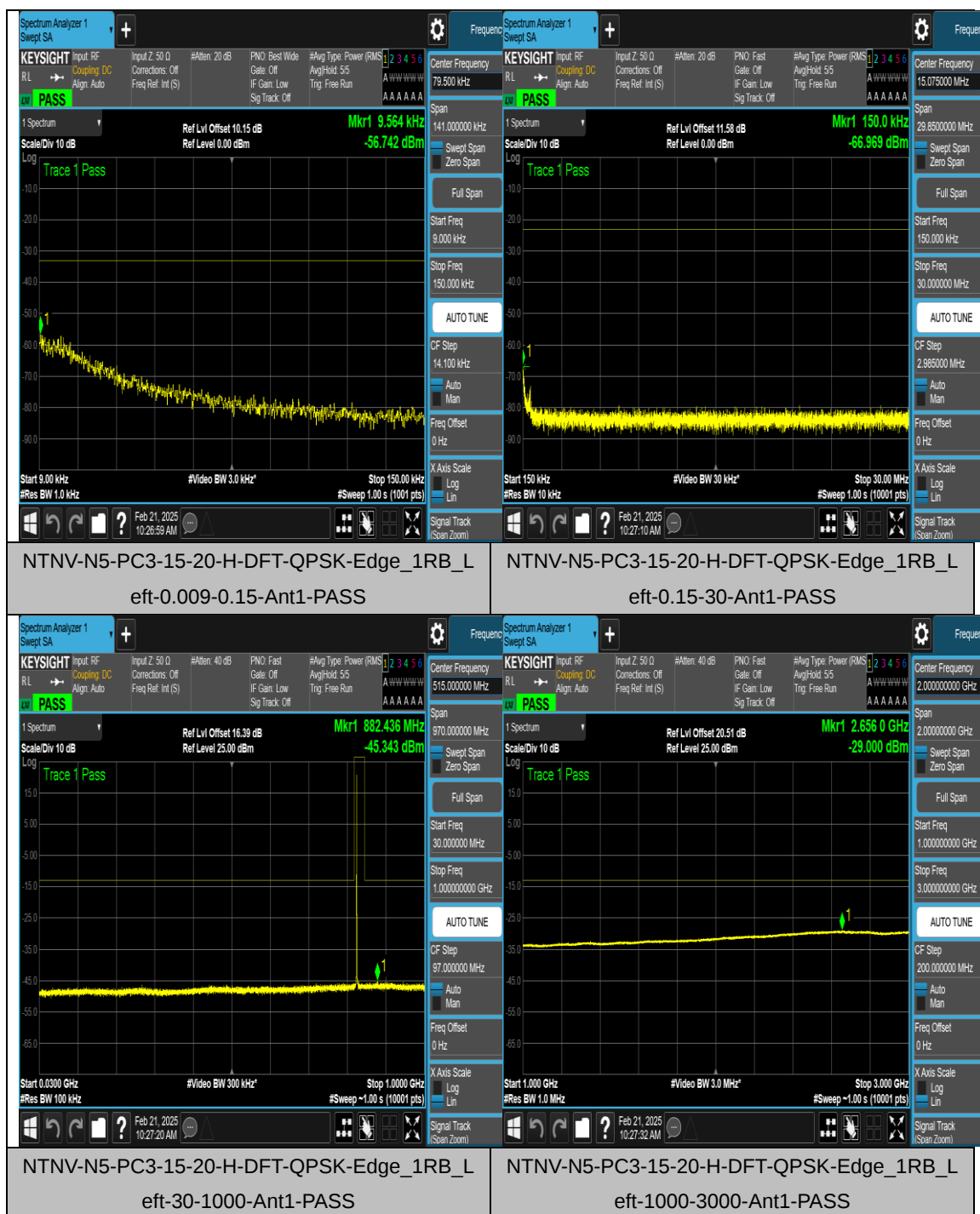


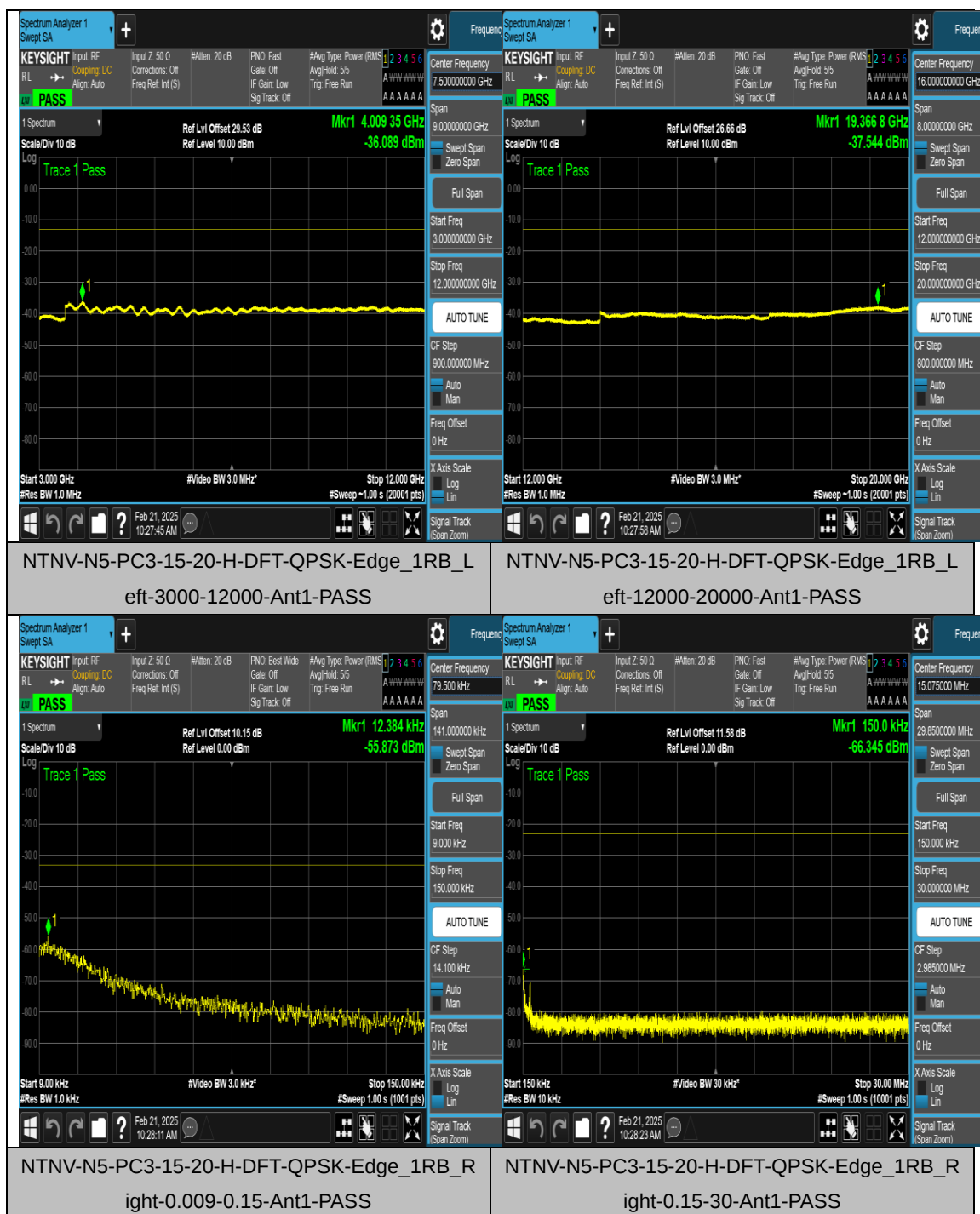














Appendix F: Frequency Stability for SA

Test Result

Frequency Error VS. Voltage

Voltage										
Band	SCS	Bandwidth	Modulation	Channel	RB Config	Voltage	Temperature	Deviation(Hz)	Deviation (ppm)	Verdict
N5	15	5	DFT-QPSK	L	Outer_Full	VL	NT	-0.490000	-0.000593	PASS
N5	15	5	DFT-QPSK	L	Outer_Full	VN	NT	-0.220000	-0.000266	PASS
N5	15	5	DFT-QPSK	L	Outer_Full	VH	NT	0.830000	0.001003	PASS
N5	15	5	DFT-16QAM	L	Outer_Full	VL	NT	-0.500000	-0.000605	PASS
N5	15	5	DFT-16QAM	L	Outer_Full	VN	NT	-1.020000	-0.001234	PASS
N5	15	5	DFT-16QAM	L	Outer_Full	VH	NT	0.540000	0.000653	PASS
N5	15	5	DFT-QPSK	M	Outer_Full	VL	NT	0.640000	0.000765	PASS
N5	15	5	DFT-QPSK	M	Outer_Full	VN	NT	0.880000	0.001052	PASS
N5	15	5	DFT-QPSK	M	Outer_Full	VH	NT	-0.210000	-0.000250	PASS
N5	15	5	DFT-16QAM	M	Outer_Full	VL	NT	-1.740000	-0.002080	PASS
N5	15	5	DFT-16QAM	M	Outer_Full	VN	NT	0.560000	0.000669	PASS
N5	15	5	DFT-16QAM	M	Outer_Full	VH	NT	-0.810000	-0.000968	PASS
N5	15	5	DFT-QPSK	H	Outer_Full	VL	NT	1.540000	0.001819	PASS
N5	15	5	DFT-QPSK	H	Outer_Full	VN	NT	1.110000	0.001311	PASS
N5	15	5	DFT-QPSK	H	Outer_Full	VH	NT	2.330000	0.002753	PASS
N5	15	5	DFT-16QAM	H	Outer_Full	VL	NT	1.180000	0.001394	PASS
N5	15	5	DFT-16QAM	H	Outer_Full	VN	NT	1.190000	0.001406	PASS
N5	15	5	DFT-16QAM	H	Outer_Full	VH	NT	0.650000	0.000768	PASS
N5	15	10	DFT-QPSK	L	Outer_Full	VL	NT	-2.950000	-0.003559	PASS
N5	15	10	DFT-QPSK	L	Outer_Full	VN	NT	-3.730000	-0.004499	PASS
N5	15	10	DFT-QPSK	L	Outer_Full	VH	NT	-2.510000	-0.003028	PASS
N5	15	10	DFT-16QAM	L	Outer_Full	VL	NT	-3.710000	-0.004475	PASS
N5	15	10	DFT-16QAM	L	Outer_Full	VN	NT	-3.620000	-0.004367	PASS
N5	15	10	DFT-16QAM	L	Outer_Full	VH	NT	-3.370000	-0.004065	PASS
N5	15	10	DFT-QPSK	M	Outer_Full	VL	NT	-0.800000	-0.000956	PASS
N5	15	10	DFT-QPSK	M	Outer_Full	VN	NT	-0.560000	-0.000669	PASS
N5	15	10	DFT-QPSK	M	Outer_Full	VH	NT	-3.160000	-0.003778	PASS
N5	15	10	DFT-16QAM	M	Outer_Full	VL	NT	-2.540000	-0.003036	PASS
N5	15	10	DFT-16QAM	M	Outer_Full	VN	NT	-1.300000	-0.001554	PASS
N5	15	10	DFT-16QAM	M	Outer_Full	VH	NT	-3.320000	-0.003969	PASS
N5	15	10	DFT-QPSK	H	Outer_Full	VL	NT	-1.580000	-0.001872	PASS
N5	15	10	DFT-QPSK	H	Outer_Full	VN	NT	-2.100000	-0.002488	PASS

N5	15	10	DFT-QPSK	H	Outer_Full	VH	NT	-1.850000	-0.002192	PASS
N5	15	10	DFT-16QAM	H	Outer_Full	VL	NT	-2.420000	-0.002867	PASS
N5	15	10	DFT-16QAM	H	Outer_Full	VN	NT	-2.550000	-0.003021	PASS
N5	15	10	DFT-16QAM	H	Outer_Full	VH	NT	-3.060000	-0.003626	PASS
N5	15	15	DFT-QPSK	L	Outer_Full	VL	NT	-2.130000	-0.002562	PASS
N5	15	15	DFT-QPSK	L	Outer_Full	VN	NT	-3.300000	-0.003969	PASS
N5	15	15	DFT-QPSK	L	Outer_Full	VH	NT	-3.460000	-0.004161	PASS
N5	15	15	DFT-16QAM	L	Outer_Full	VL	NT	-2.770000	-0.003331	PASS
N5	15	15	DFT-16QAM	L	Outer_Full	VN	NT	-3.940000	-0.004738	PASS
N5	15	15	DFT-16QAM	L	Outer_Full	VH	NT	-2.550000	-0.003067	PASS
N5	15	15	DFT-QPSK	M	Outer_Full	VL	NT	-5.010000	-0.005989	PASS
N5	15	15	DFT-QPSK	M	Outer_Full	VN	NT	-4.520000	-0.005403	PASS
N5	15	15	DFT-QPSK	M	Outer_Full	VH	NT	-3.530000	-0.004220	PASS
N5	15	15	DFT-16QAM	M	Outer_Full	VL	NT	-5.010000	-0.005989	PASS
N5	15	15	DFT-16QAM	M	Outer_Full	VN	NT	-3.370000	-0.004028	PASS
N5	15	15	DFT-16QAM	M	Outer_Full	VH	NT	-3.800000	-0.004543	PASS
N5	15	15	DFT-QPSK	H	Outer_Full	VL	NT	-4.800000	-0.005704	PASS
N5	15	15	DFT-QPSK	H	Outer_Full	VN	NT	-3.670000	-0.004361	PASS
N5	15	15	DFT-QPSK	H	Outer_Full	VH	NT	-3.960000	-0.004706	PASS
N5	15	15	DFT-16QAM	H	Outer_Full	VL	NT	-2.610000	-0.003102	PASS
N5	15	15	DFT-16QAM	H	Outer_Full	VN	NT	-3.860000	-0.004587	PASS
N5	15	15	DFT-16QAM	H	Outer_Full	VH	NT	-3.560000	-0.004231	PASS
N5	15	20	DFT-QPSK	L	Outer_Full	VL	NT	-5.600000	-0.006715	PASS
N5	15	20	DFT-QPSK	L	Outer_Full	VN	NT	-6.080000	-0.007290	PASS
N5	15	20	DFT-QPSK	L	Outer_Full	VH	NT	-5.170000	-0.006199	PASS
N5	15	20	DFT-16QAM	L	Outer_Full	VL	NT	-6.100000	-0.007314	PASS
N5	15	20	DFT-16QAM	L	Outer_Full	VN	NT	-5.570000	-0.006679	PASS
N5	15	20	DFT-16QAM	L	Outer_Full	VH	NT	-5.100000	-0.006115	PASS
N5	15	20	DFT-QPSK	M	Outer_Full	VL	NT	-6.610000	-0.007901	PASS
N5	15	20	DFT-QPSK	M	Outer_Full	VN	NT	-5.950000	-0.007113	PASS
N5	15	20	DFT-QPSK	M	Outer_Full	VH	NT	-7.040000	-0.008416	PASS
N5	15	20	DFT-16QAM	M	Outer_Full	VL	NT	-6.520000	-0.007794	PASS
N5	15	20	DFT-16QAM	M	Outer_Full	VN	NT	-6.030000	-0.007209	PASS
N5	15	20	DFT-16QAM	M	Outer_Full	VH	NT	-6.050000	-0.007233	PASS
N5	15	20	DFT-QPSK	H	Outer_Full	VL	NT	-4.420000	-0.005268	PASS
N5	15	20	DFT-QPSK	H	Outer_Full	VN	NT	-3.700000	-0.004410	PASS
N5	15	20	DFT-QPSK	H	Outer_Full	VH	NT	-5.460000	-0.006508	PASS
N5	15	20	DFT-16QAM	H	Outer_Full	VL	NT	-5.820000	-0.006937	PASS
N5	15	20	DFT-16QAM	H	Outer_Full	VN	NT	-4.780000	-0.005697	PASS
N5	15	20	DFT-16QAM	H	Outer_Full	VH	NT	-3.580000	-0.004267	PASS

Frequency Error VS. Temperature

Voltage										
Band	SCS	Bandwidth	Modulation	Channel	RB Config	Voltage	Temperature	Deviation(Hz)	Deviation (ppm)	Verdict
N5	15	5	DFT-QPSK	L	Outer_Full	NV	-30	0.580000	0.000702	PASS
N5	15	5	DFT-QPSK	L	Outer_Full	NV	-20	-0.560000	-0.000678	PASS
N5	15	5	DFT-QPSK	L	Outer_Full	NV	-10	0.090000	0.000109	PASS
N5	15	5	DFT-QPSK	L	Outer_Full	NV	0	0.370000	0.000448	PASS
N5	15	5	DFT-QPSK	L	Outer_Full	NV	10	-0.270000	-0.000327	PASS
N5	15	5	DFT-QPSK	L	Outer_Full	NV	20	1.070000	0.001295	PASS
N5	15	5	DFT-QPSK	L	Outer_Full	NV	30	-0.040000	-0.000048	PASS
N5	15	5	DFT-QPSK	L	Outer_Full	NV	40	-0.380000	-0.000460	PASS
N5	15	5	DFT-QPSK	L	Outer_Full	NV	50	0.780000	0.000944	PASS
N5	15	5	DFT-16QAM	L	Outer_Full	NV	-30	0.990000	0.001198	PASS
N5	15	5	DFT-16QAM	L	Outer_Full	NV	-20	-0.770000	-0.000932	PASS
N5	15	5	DFT-16QAM	L	Outer_Full	NV	-10	-0.170000	-0.000206	PASS
N5	15	5	DFT-16QAM	L	Outer_Full	NV	0	0.380000	0.000460	PASS
N5	15	5	DFT-16QAM	L	Outer_Full	NV	10	-0.670000	-0.000811	PASS
N5	15	5	DFT-16QAM	L	Outer_Full	NV	20	-0.190000	-0.000230	PASS
N5	15	5	DFT-16QAM	L	Outer_Full	NV	30	0.590000	0.000714	PASS
N5	15	5	DFT-16QAM	L	Outer_Full	NV	40	0.610000	0.000738	PASS
N5	15	5	DFT-16QAM	L	Outer_Full	NV	50	-0.240000	-0.000290	PASS
N5	15	5	DFT-QPSK	M	Outer_Full	NV	-30	-0.910000	-0.001088	PASS
N5	15	5	DFT-QPSK	M	Outer_Full	NV	-20	-0.180000	-0.000215	PASS
N5	15	5	DFT-QPSK	M	Outer_Full	NV	-10	-0.530000	-0.000634	PASS
N5	15	5	DFT-QPSK	M	Outer_Full	NV	0	-1.010000	-0.001207	PASS
N5	15	5	DFT-QPSK	M	Outer_Full	NV	10	0.330000	0.000395	PASS
N5	15	5	DFT-QPSK	M	Outer_Full	NV	20	-0.470000	-0.000562	PASS
N5	15	5	DFT-QPSK	M	Outer_Full	NV	30	-0.270000	-0.000323	PASS
N5	15	5	DFT-QPSK	M	Outer_Full	NV	40	-0.040000	-0.000048	PASS
N5	15	5	DFT-QPSK	M	Outer_Full	NV	50	-1.860000	-0.002224	PASS
N5	15	5	DFT-16QAM	M	Outer_Full	NV	-30	-1.770000	-0.002116	PASS
N5	15	5	DFT-16QAM	M	Outer_Full	NV	-20	-0.650000	-0.000777	PASS
N5	15	5	DFT-16QAM	M	Outer_Full	NV	-10	-1.630000	-0.001949	PASS
N5	15	5	DFT-16QAM	M	Outer_Full	NV	0	-1.030000	-0.001231	PASS
N5	15	5	DFT-16QAM	M	Outer_Full	NV	10	-1.310000	-0.001566	PASS
N5	15	5	DFT-16QAM	M	Outer_Full	NV	20	-1.200000	-0.001435	PASS
N5	15	5	DFT-16QAM	M	Outer_Full	NV	30	-0.410000	-0.000490	PASS

N5	15	5	DFT-16QAM	M	Outer_Full	NV	40	0.440000	0.000526	PASS
N5	15	5	DFT-16QAM	M	Outer_Full	NV	50	0.190000	0.000227	PASS
N5	15	5	DFT-QPSK	H	Outer_Full	NV	-30	1.370000	0.001618	PASS
N5	15	5	DFT-QPSK	H	Outer_Full	NV	-20	0.590000	0.000697	PASS
N5	15	5	DFT-QPSK	H	Outer_Full	NV	-10	0.600000	0.000709	PASS
N5	15	5	DFT-QPSK	H	Outer_Full	NV	0	2.300000	0.002717	PASS
N5	15	5	DFT-QPSK	H	Outer_Full	NV	10	1.090000	0.001288	PASS
N5	15	5	DFT-QPSK	H	Outer_Full	NV	20	1.420000	0.001677	PASS
N5	15	5	DFT-QPSK	H	Outer_Full	NV	30	0.320000	0.000378	PASS
N5	15	5	DFT-QPSK	H	Outer_Full	NV	40	0.940000	0.001110	PASS
N5	15	5	DFT-QPSK	H	Outer_Full	NV	50	-0.450000	-0.000532	PASS
N5	15	5	DFT-16QAM	H	Outer_Full	NV	-30	0.760000	0.000898	PASS
N5	15	5	DFT-16QAM	H	Outer_Full	NV	-20	0.200000	0.000236	PASS
N5	15	5	DFT-16QAM	H	Outer_Full	NV	-10	2.170000	0.002563	PASS
N5	15	5	DFT-16QAM	H	Outer_Full	NV	0	1.380000	0.001630	PASS
N5	15	5	DFT-16QAM	H	Outer_Full	NV	10	0.510000	0.000602	PASS
N5	15	5	DFT-16QAM	H	Outer_Full	NV	20	0.470000	0.000555	PASS
N5	15	5	DFT-16QAM	H	Outer_Full	NV	30	-0.130000	-0.000154	PASS
N5	15	5	DFT-16QAM	H	Outer_Full	NV	40	-0.240000	-0.000284	PASS
N5	15	5	DFT-16QAM	H	Outer_Full	NV	50	-0.800000	-0.000945	PASS
N5	15	10	DFT-QPSK	L	Outer_Full	NV	-30	-2.680000	-0.003233	PASS
N5	15	10	DFT-QPSK	L	Outer_Full	NV	-20	-1.500000	-0.001809	PASS
N5	15	10	DFT-QPSK	L	Outer_Full	NV	-10	-2.220000	-0.002678	PASS
N5	15	10	DFT-QPSK	L	Outer_Full	NV	0	-3.040000	-0.003667	PASS
N5	15	10	DFT-QPSK	L	Outer_Full	NV	10	-0.880000	-0.001062	PASS
N5	15	10	DFT-QPSK	L	Outer_Full	NV	20	-2.020000	-0.002437	PASS
N5	15	10	DFT-QPSK	L	Outer_Full	NV	30	-1.190000	-0.001435	PASS
N5	15	10	DFT-QPSK	L	Outer_Full	NV	40	-1.570000	-0.001894	PASS
N5	15	10	DFT-QPSK	L	Outer_Full	NV	50	-3.150000	-0.003800	PASS
N5	15	10	DFT-16QAM	L	Outer_Full	NV	-30	-1.740000	-0.002099	PASS
N5	15	10	DFT-16QAM	L	Outer_Full	NV	-20	-3.340000	-0.004028	PASS
N5	15	10	DFT-16QAM	L	Outer_Full	NV	-10	-1.710000	-0.002063	PASS
N5	15	10	DFT-16QAM	L	Outer_Full	NV	0	-2.160000	-0.002606	PASS
N5	15	10	DFT-16QAM	L	Outer_Full	NV	10	-2.410000	-0.002907	PASS
N5	15	10	DFT-16QAM	L	Outer_Full	NV	20	-3.060000	-0.003691	PASS
N5	15	10	DFT-16QAM	L	Outer_Full	NV	30	-2.160000	-0.002606	PASS
N5	15	10	DFT-16QAM	L	Outer_Full	NV	40	-2.460000	-0.002967	PASS
N5	15	10	DFT-16QAM	L	Outer_Full	NV	50	-2.950000	-0.003559	PASS
N5	15	10	DFT-QPSK	M	Outer_Full	NV	-30	-3.470000	-0.004148	PASS
N5	15	10	DFT-QPSK	M	Outer_Full	NV	-20	-2.380000	-0.002845	PASS

N5	15	10	DFT-QPSK	M	Outer_Full	NV	-10	-2.430000	-0.002905	PASS
N5	15	10	DFT-QPSK	M	Outer_Full	NV	0	-0.920000	-0.001100	PASS
N5	15	10	DFT-QPSK	M	Outer_Full	NV	10	-3.350000	-0.004005	PASS
N5	15	10	DFT-QPSK	M	Outer_Full	NV	20	-0.700000	-0.000837	PASS
N5	15	10	DFT-QPSK	M	Outer_Full	NV	30	-2.920000	-0.003491	PASS
N5	15	10	DFT-QPSK	M	Outer_Full	NV	40	-2.400000	-0.002869	PASS
N5	15	10	DFT-QPSK	M	Outer_Full	NV	50	-2.230000	-0.002666	PASS
N5	15	10	DFT-16QAM	M	Outer_Full	NV	-30	-2.400000	-0.002869	PASS
N5	15	10	DFT-16QAM	M	Outer_Full	NV	-20	-1.230000	-0.001470	PASS
N5	15	10	DFT-16QAM	M	Outer_Full	NV	-10	-2.110000	-0.002522	PASS
N5	15	10	DFT-16QAM	M	Outer_Full	NV	0	-2.760000	-0.003299	PASS
N5	15	10	DFT-16QAM	M	Outer_Full	NV	10	-1.210000	-0.001447	PASS
N5	15	10	DFT-16QAM	M	Outer_Full	NV	20	-2.380000	-0.002845	PASS
N5	15	10	DFT-16QAM	M	Outer_Full	NV	30	-2.960000	-0.003539	PASS
N5	15	10	DFT-16QAM	M	Outer_Full	NV	40	-3.770000	-0.004507	PASS
N5	15	10	DFT-16QAM	M	Outer_Full	NV	50	-4.780000	-0.005714	PASS
N5	15	10	DFT-QPSK	H	Outer_Full	NV	-30	-3.830000	-0.004538	PASS
N5	15	10	DFT-QPSK	H	Outer_Full	NV	-20	-3.150000	-0.003732	PASS
N5	15	10	DFT-QPSK	H	Outer_Full	NV	-10	-2.180000	-0.002583	PASS
N5	15	10	DFT-QPSK	H	Outer_Full	NV	0	-3.040000	-0.003602	PASS
N5	15	10	DFT-QPSK	H	Outer_Full	NV	10	-2.420000	-0.002867	PASS
N5	15	10	DFT-QPSK	H	Outer_Full	NV	20	-1.270000	-0.001505	PASS
N5	15	10	DFT-QPSK	H	Outer_Full	NV	30	-3.280000	-0.003886	PASS
N5	15	10	DFT-QPSK	H	Outer_Full	NV	40	-2.750000	-0.003258	PASS
N5	15	10	DFT-QPSK	H	Outer_Full	NV	50	-3.510000	-0.004159	PASS
N5	15	10	DFT-16QAM	H	Outer_Full	NV	-30	-3.470000	-0.004111	PASS
N5	15	10	DFT-16QAM	H	Outer_Full	NV	-20	-1.530000	-0.001813	PASS
N5	15	10	DFT-16QAM	H	Outer_Full	NV	-10	-2.100000	-0.002488	PASS
N5	15	10	DFT-16QAM	H	Outer_Full	NV	0	-2.850000	-0.003377	PASS
N5	15	10	DFT-16QAM	H	Outer_Full	NV	10	-2.770000	-0.003282	PASS
N5	15	10	DFT-16QAM	H	Outer_Full	NV	20	-3.660000	-0.004336	PASS
N5	15	10	DFT-16QAM	H	Outer_Full	NV	30	-1.550000	-0.001836	PASS
N5	15	10	DFT-16QAM	H	Outer_Full	NV	40	-1.460000	-0.001730	PASS
N5	15	10	DFT-16QAM	H	Outer_Full	NV	50	-2.280000	-0.002701	PASS
N5	15	15	DFT-QPSK	L	Outer_Full	NV	-30	-4.260000	-0.005123	PASS
N5	15	15	DFT-QPSK	L	Outer_Full	NV	-20	-2.630000	-0.003163	PASS
N5	15	15	DFT-QPSK	L	Outer_Full	NV	-10	-1.430000	-0.001720	PASS
N5	15	15	DFT-QPSK	L	Outer_Full	NV	0	-2.100000	-0.002526	PASS
N5	15	15	DFT-QPSK	L	Outer_Full	NV	10	-4.230000	-0.005087	PASS
N5	15	15	DFT-QPSK	L	Outer_Full	NV	20	-3.180000	-0.003824	PASS

N5	15	15	DFT-QPSK	L	Outer_Full	NV	30	-2.300000	-0.002766	PASS
N5	15	15	DFT-QPSK	L	Outer_Full	NV	40	-3.340000	-0.004016	PASS
N5	15	15	DFT-QPSK	L	Outer_Full	NV	50	-1.880000	-0.002261	PASS
N5	15	15	DFT-16QAM	L	Outer_Full	NV	-30	-2.410000	-0.002898	PASS
N5	15	15	DFT-16QAM	L	Outer_Full	NV	-20	-2.049999	-0.002465	PASS
N5	15	15	DFT-16QAM	L	Outer_Full	NV	-10	-4.179999	-0.005027	PASS
N5	15	15	DFT-16QAM	L	Outer_Full	NV	0	-2.730000	-0.003283	PASS
N5	15	15	DFT-16QAM	L	Outer_Full	NV	10	-3.010000	-0.003620	PASS
N5	15	15	DFT-16QAM	L	Outer_Full	NV	20	-2.560000	-0.003079	PASS
N5	15	15	DFT-16QAM	L	Outer_Full	NV	30	-3.420000	-0.004113	PASS
N5	15	15	DFT-16QAM	L	Outer_Full	NV	40	-2.850000	-0.003428	PASS
N5	15	15	DFT-16QAM	L	Outer_Full	NV	50	-2.920000	-0.003512	PASS
N5	15	15	DFT-QPSK	M	Outer_Full	NV	-30	-4.210000	-0.005033	PASS
N5	15	15	DFT-QPSK	M	Outer_Full	NV	-20	-6.440000	-0.007699	PASS
N5	15	15	DFT-QPSK	M	Outer_Full	NV	-10	-4.130000	-0.004937	PASS
N5	15	15	DFT-QPSK	M	Outer_Full	NV	0	-3.460000	-0.004136	PASS
N5	15	15	DFT-QPSK	M	Outer_Full	NV	10	-5.140000	-0.006145	PASS
N5	15	15	DFT-QPSK	M	Outer_Full	NV	20	-4.170000	-0.004985	PASS
N5	15	15	DFT-QPSK	M	Outer_Full	NV	30	-5.370000	-0.006420	PASS
N5	15	15	DFT-QPSK	M	Outer_Full	NV	40	-5.160000	-0.006169	PASS
N5	15	15	DFT-QPSK	M	Outer_Full	NV	50	-4.280000	-0.005117	PASS
N5	15	15	DFT-16QAM	M	Outer_Full	NV	-30	-4.980000	-0.005953	PASS
N5	15	15	DFT-16QAM	M	Outer_Full	NV	-20	-3.840000	-0.004591	PASS
N5	15	15	DFT-16QAM	M	Outer_Full	NV	-10	-3.980000	-0.004758	PASS
N5	15	15	DFT-16QAM	M	Outer_Full	NV	0	-4.380000	-0.005236	PASS
N5	15	15	DFT-16QAM	M	Outer_Full	NV	10	-4.970000	-0.005941	PASS
N5	15	15	DFT-16QAM	M	Outer_Full	NV	20	-3.910000	-0.004674	PASS
N5	15	15	DFT-16QAM	M	Outer_Full	NV	30	-3.700000	-0.004423	PASS
N5	15	15	DFT-16QAM	M	Outer_Full	NV	40	-4.260000	-0.005093	PASS
N5	15	15	DFT-16QAM	M	Outer_Full	NV	50	-4.360000	-0.005212	PASS
N5	15	15	DFT-QPSK	H	Outer_Full	NV	-30	-3.740000	-0.004444	PASS
N5	15	15	DFT-QPSK	H	Outer_Full	NV	-20	-4.040000	-0.004801	PASS
N5	15	15	DFT-QPSK	H	Outer_Full	NV	-10	-4.030000	-0.004789	PASS
N5	15	15	DFT-QPSK	H	Outer_Full	NV	0	-3.260000	-0.003874	PASS
N5	15	15	DFT-QPSK	H	Outer_Full	NV	10	-2.940000	-0.003494	PASS
N5	15	15	DFT-QPSK	H	Outer_Full	NV	20	-3.670000	-0.004361	PASS
N5	15	15	DFT-QPSK	H	Outer_Full	NV	30	-3.950000	-0.004694	PASS
N5	15	15	DFT-QPSK	H	Outer_Full	NV	40	-3.600000	-0.004278	PASS
N5	15	15	DFT-QPSK	H	Outer_Full	NV	50	-3.250000	-0.003862	PASS
N5	15	15	DFT-16QAM	H	Outer_Full	NV	-30	-1.990000	-0.002365	PASS

N5	15	15	DFT-16QAM	H	Outer_Full	NV	-20	-2.440000	-0.002900	PASS
N5	15	15	DFT-16QAM	H	Outer_Full	NV	-10	-3.040000	-0.003613	PASS
N5	15	15	DFT-16QAM	H	Outer_Full	NV	0	-3.610000	-0.004290	PASS
N5	15	15	DFT-16QAM	H	Outer_Full	NV	10	-3.070000	-0.003648	PASS
N5	15	15	DFT-16QAM	H	Outer_Full	NV	20	-4.470000	-0.005312	PASS
N5	15	15	DFT-16QAM	H	Outer_Full	NV	30	-4.190000	-0.004979	PASS
N5	15	15	DFT-16QAM	H	Outer_Full	NV	40	-4.470000	-0.005312	PASS
N5	15	15	DFT-16QAM	H	Outer_Full	NV	50	-4.560000	-0.005419	PASS
N5	15	20	DFT-QPSK	L	Outer_Full	NV	-30	-6.150000	-0.007374	PASS
N5	15	20	DFT-QPSK	L	Outer_Full	NV	-20	-5.110000	-0.006127	PASS
N5	15	20	DFT-QPSK	L	Outer_Full	NV	-10	-5.830000	-0.006990	PASS
N5	15	20	DFT-QPSK	L	Outer_Full	NV	0	-4.770000	-0.005719	PASS
N5	15	20	DFT-QPSK	L	Outer_Full	NV	10	-3.880000	-0.004652	PASS
N5	15	20	DFT-QPSK	L	Outer_Full	NV	20	-5.010000	-0.006007	PASS
N5	15	20	DFT-QPSK	L	Outer_Full	NV	30	-6.050000	-0.007254	PASS
N5	15	20	DFT-QPSK	L	Outer_Full	NV	40	-5.420000	-0.006499	PASS
N5	15	20	DFT-QPSK	L	Outer_Full	NV	50	-4.730000	-0.005671	PASS
N5	15	20	DFT-16QAM	L	Outer_Full	NV	-30	-6.340000	-0.007602	PASS
N5	15	20	DFT-16QAM	L	Outer_Full	NV	-20	-4.520000	-0.005420	PASS
N5	15	20	DFT-16QAM	L	Outer_Full	NV	-10	-5.120000	-0.006139	PASS
N5	15	20	DFT-16QAM	L	Outer_Full	NV	0	-6.000000	-0.007194	PASS
N5	15	20	DFT-16QAM	L	Outer_Full	NV	10	-5.220000	-0.006259	PASS
N5	15	20	DFT-16QAM	L	Outer_Full	NV	20	-5.680000	-0.006811	PASS
N5	15	20	DFT-16QAM	L	Outer_Full	NV	30	-6.290000	-0.007542	PASS
N5	15	20	DFT-16QAM	L	Outer_Full	NV	40	-7.090000	-0.008501	PASS
N5	15	20	DFT-16QAM	L	Outer_Full	NV	50	-5.440000	-0.006523	PASS
N5	15	20	DFT-QPSK	M	Outer_Full	NV	-30	-6.040000	-0.007221	PASS
N5	15	20	DFT-QPSK	M	Outer_Full	NV	-20	-5.180000	-0.006192	PASS
N5	15	20	DFT-QPSK	M	Outer_Full	NV	-10	-6.460000	-0.007723	PASS
N5	15	20	DFT-QPSK	M	Outer_Full	NV	0	-5.450000	-0.006515	PASS
N5	15	20	DFT-QPSK	M	Outer_Full	NV	10	-7.020000	-0.008392	PASS
N5	15	20	DFT-QPSK	M	Outer_Full	NV	20	-5.540000	-0.006623	PASS
N5	15	20	DFT-QPSK	M	Outer_Full	NV	30	-6.780000	-0.008104	PASS
N5	15	20	DFT-QPSK	M	Outer_Full	NV	40	-5.460000	-0.006527	PASS
N5	15	20	DFT-QPSK	M	Outer_Full	NV	50	-6.920000	-0.008273	PASS
N5	15	20	DFT-16QAM	M	Outer_Full	NV	-30	-4.510000	-0.005392	PASS
N5	15	20	DFT-16QAM	M	Outer_Full	NV	-20	-4.770000	-0.005702	PASS
N5	15	20	DFT-16QAM	M	Outer_Full	NV	-10	-5.410000	-0.006467	PASS
N5	15	20	DFT-16QAM	M	Outer_Full	NV	0	-5.630000	-0.006730	PASS
N5	15	20	DFT-16QAM	M	Outer_Full	NV	10	-6.190000	-0.007400	PASS

N5	15	20	DFT-16QAM	M	Outer_Full	NV	20	-6.550000	-0.007830	PASS
N5	15	20	DFT-16QAM	M	Outer_Full	NV	30	-4.760000	-0.005690	PASS
N5	15	20	DFT-16QAM	M	Outer_Full	NV	40	-5.460000	-0.006527	PASS
N5	15	20	DFT-16QAM	M	Outer_Full	NV	50	-5.680000	-0.006790	PASS
N5	15	20	DFT-QPSK	H	Outer_Full	NV	-30	-4.520000	-0.005387	PASS
N5	15	20	DFT-QPSK	H	Outer_Full	NV	-20	-5.960000	-0.007104	PASS
N5	15	20	DFT-QPSK	H	Outer_Full	NV	-10	-4.360000	-0.005197	PASS
N5	15	20	DFT-QPSK	H	Outer_Full	NV	0	-5.880000	-0.007008	PASS
N5	15	20	DFT-QPSK	H	Outer_Full	NV	10	-5.170000	-0.006162	PASS
N5	15	20	DFT-QPSK	H	Outer_Full	NV	20	-4.380000	-0.005221	PASS
N5	15	20	DFT-QPSK	H	Outer_Full	NV	30	-3.860000	-0.004601	PASS
N5	15	20	DFT-QPSK	H	Outer_Full	NV	40	-4.710000	-0.005614	PASS
N5	15	20	DFT-QPSK	H	Outer_Full	NV	50	-3.830000	-0.004565	PASS
N5	15	20	DFT-16QAM	H	Outer_Full	NV	-30	-3.960000	-0.004720	PASS
N5	15	20	DFT-16QAM	H	Outer_Full	NV	-20	-4.630000	-0.005518	PASS
N5	15	20	DFT-16QAM	H	Outer_Full	NV	-10	-3.820000	-0.004553	PASS
N5	15	20	DFT-16QAM	H	Outer_Full	NV	0	-3.680000	-0.004386	PASS
N5	15	20	DFT-16QAM	H	Outer_Full	NV	10	-3.740000	-0.004458	PASS
N5	15	20	DFT-16QAM	H	Outer_Full	NV	20	-4.450000	-0.005304	PASS
N5	15	20	DFT-16QAM	H	Outer_Full	NV	30	-2.970000	-0.003540	PASS
N5	15	20	DFT-16QAM	H	Outer_Full	NV	40	-5.380000	-0.006412	PASS
N5	15	20	DFT-16QAM	H	Outer_Full	NV	50	-5.990000	-0.007139	PASS