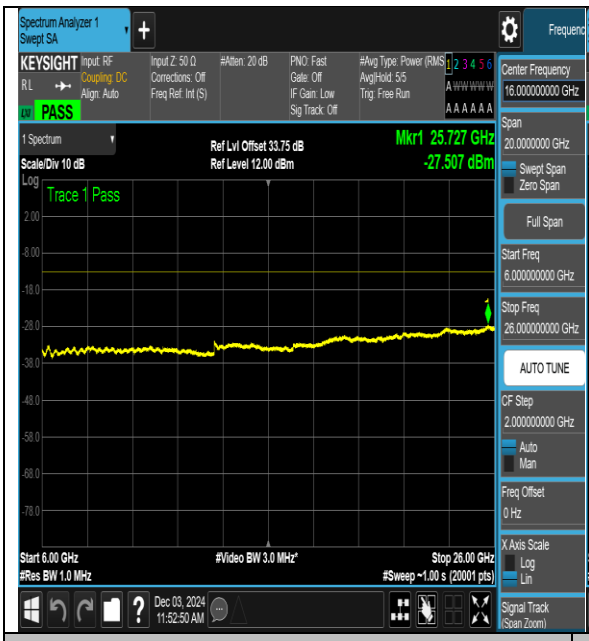
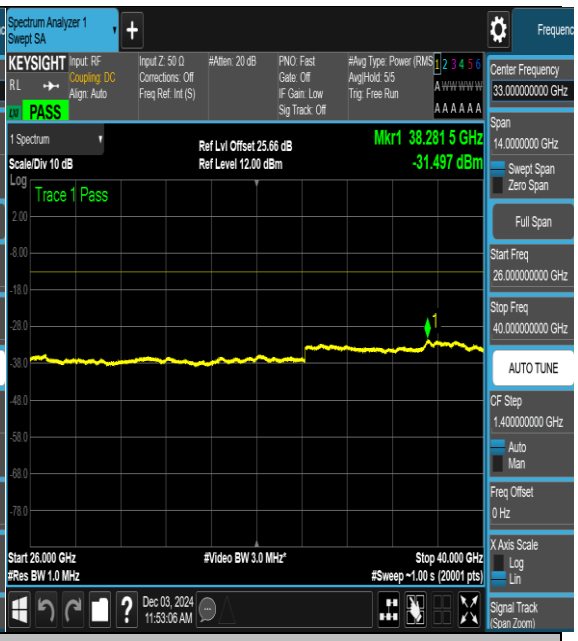


NTNV-N77-3700-3980-PC2-30-80-H-DFT-QPSK-Edge_1RB_Right-6000-26000-Ant1-PASS



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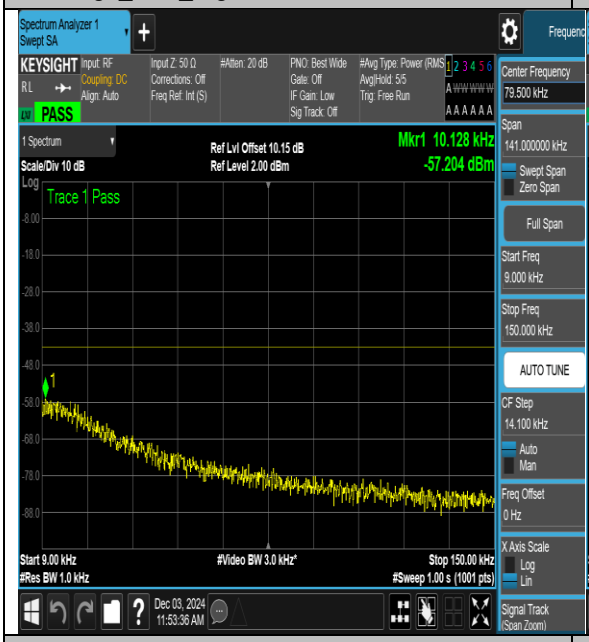

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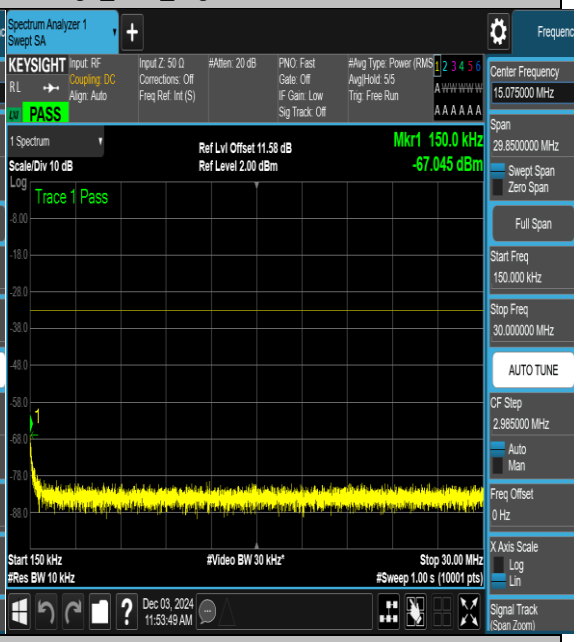

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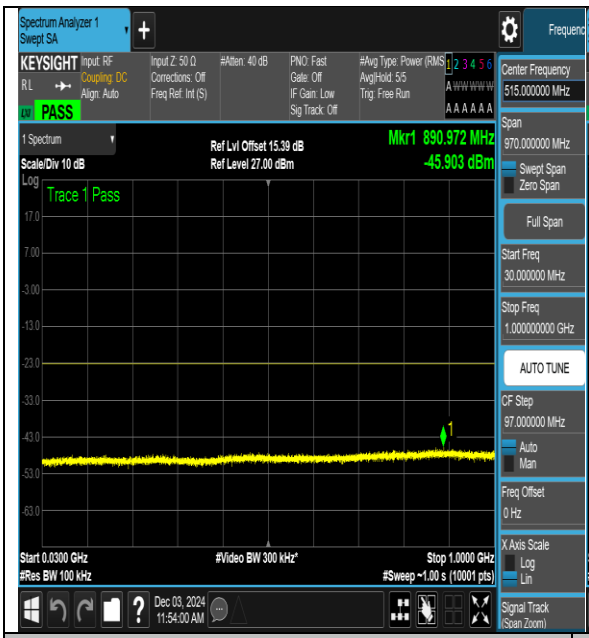

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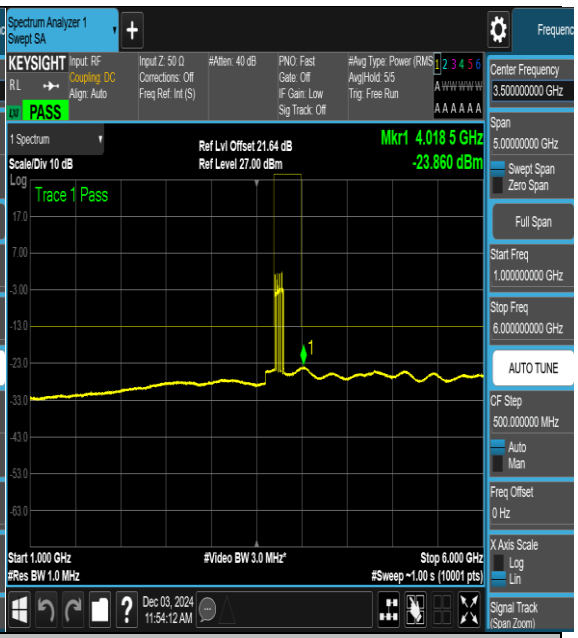

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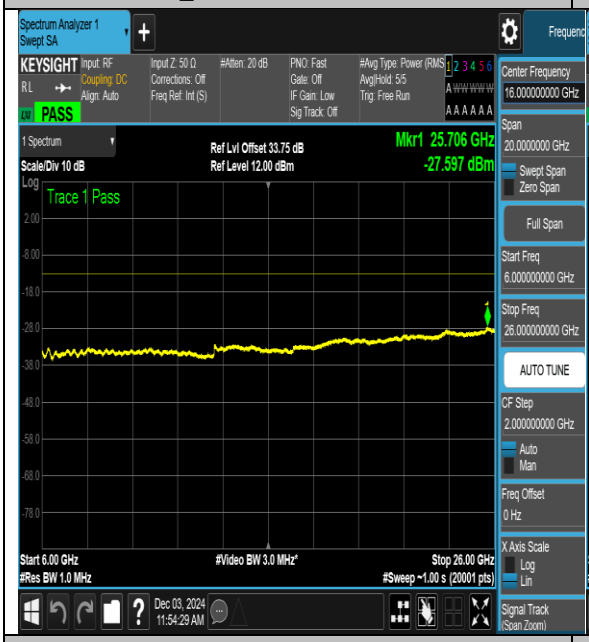

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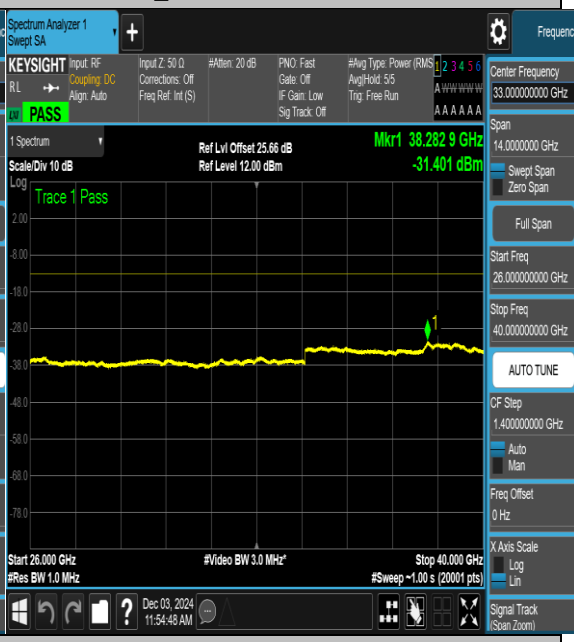

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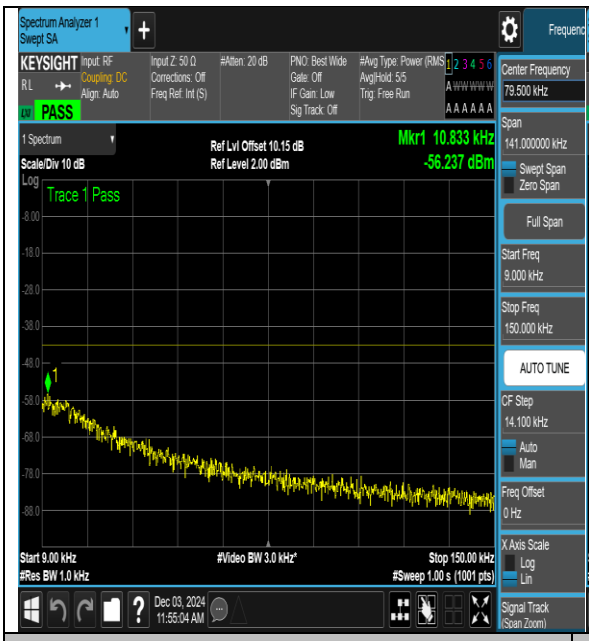

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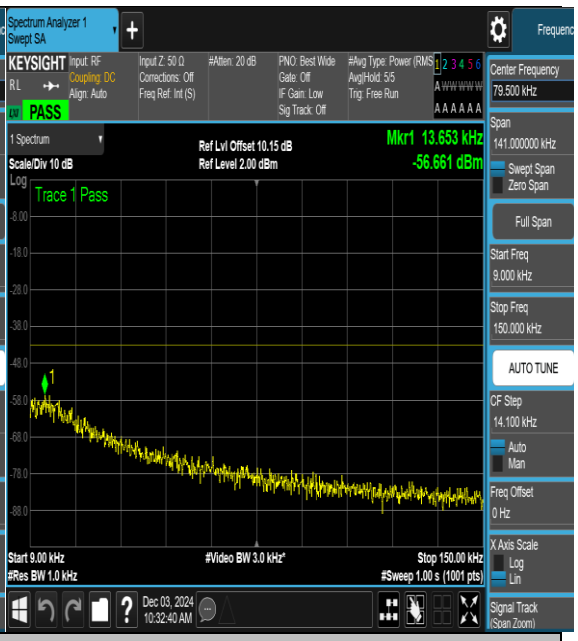

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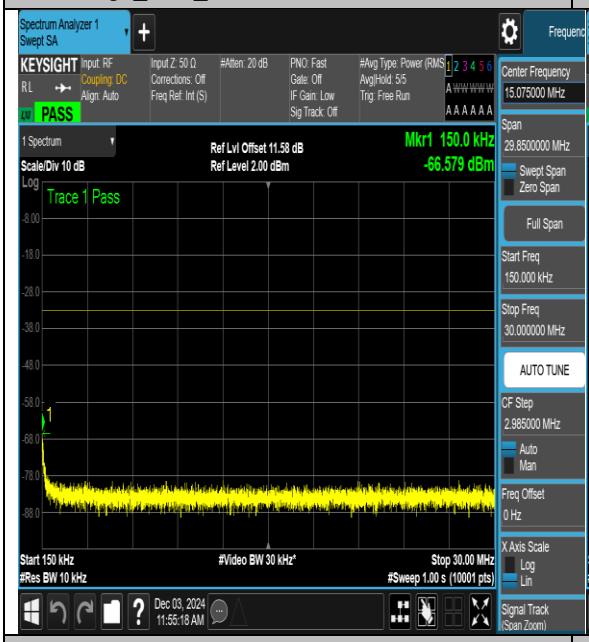

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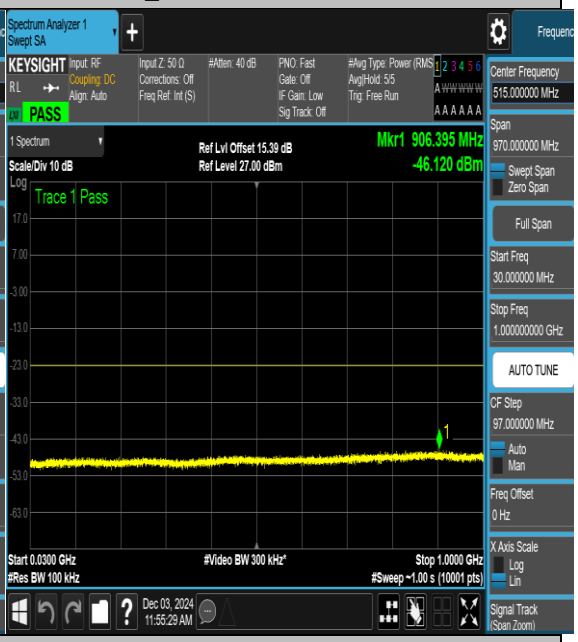

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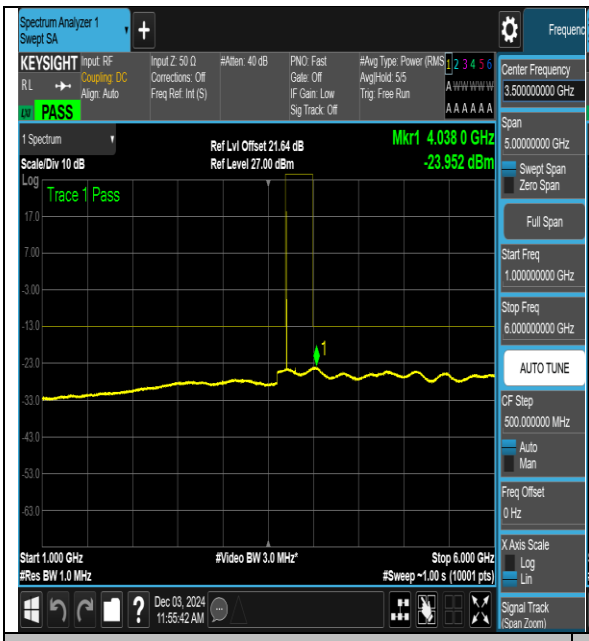

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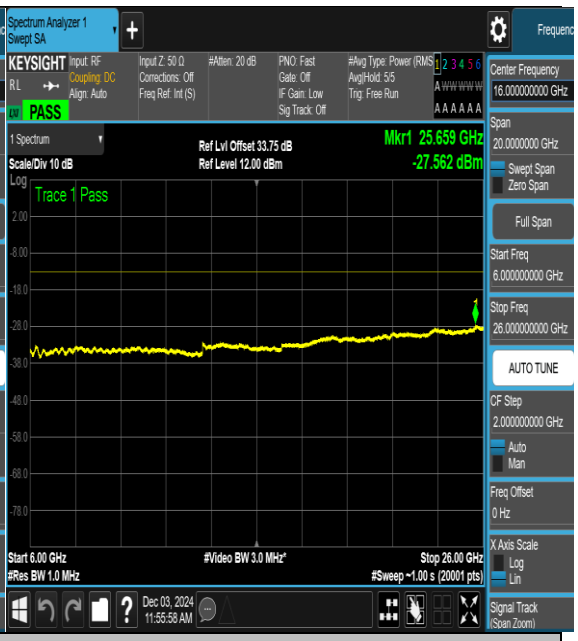

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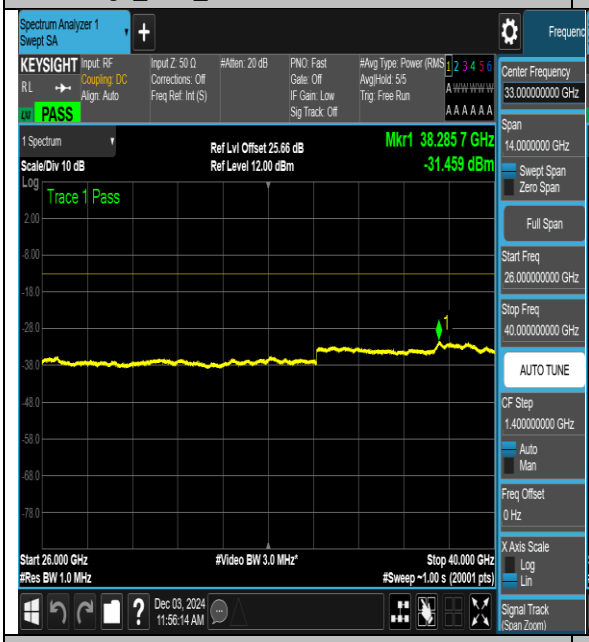

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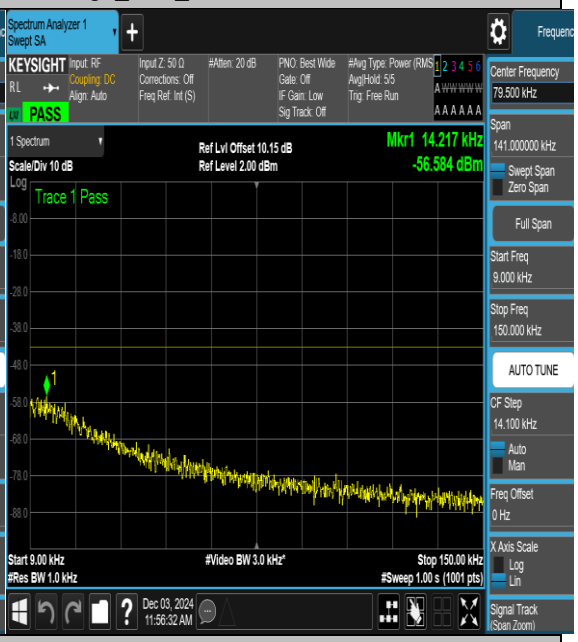

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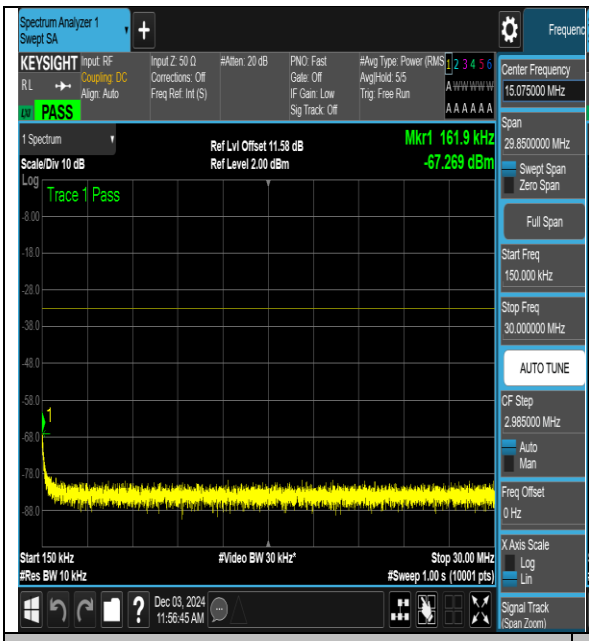

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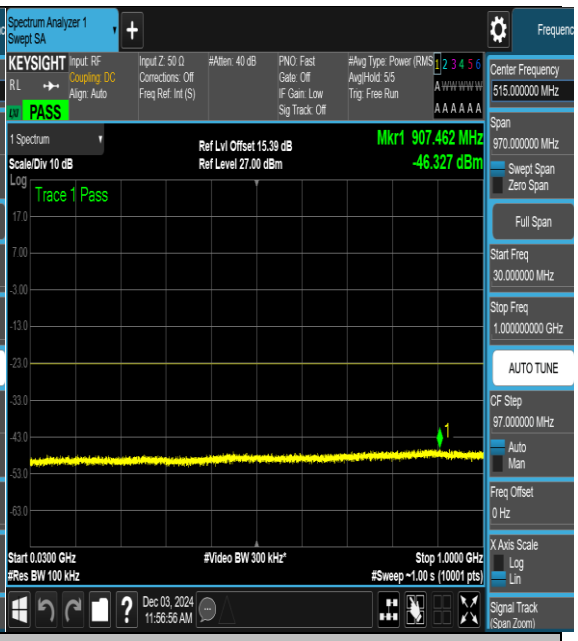

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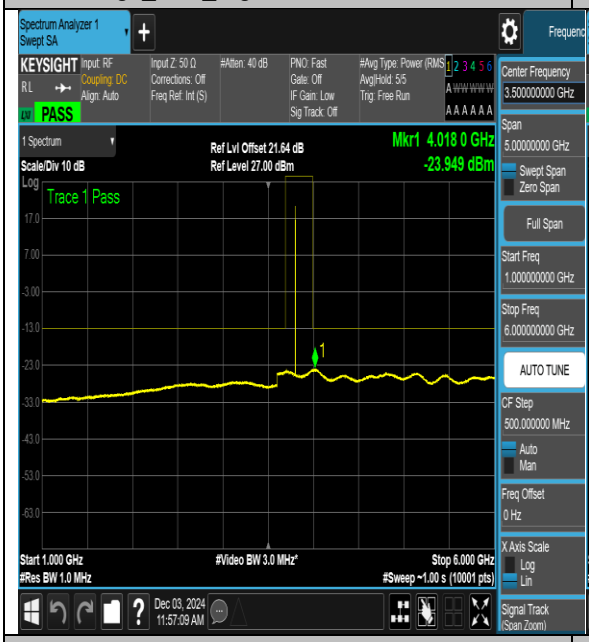

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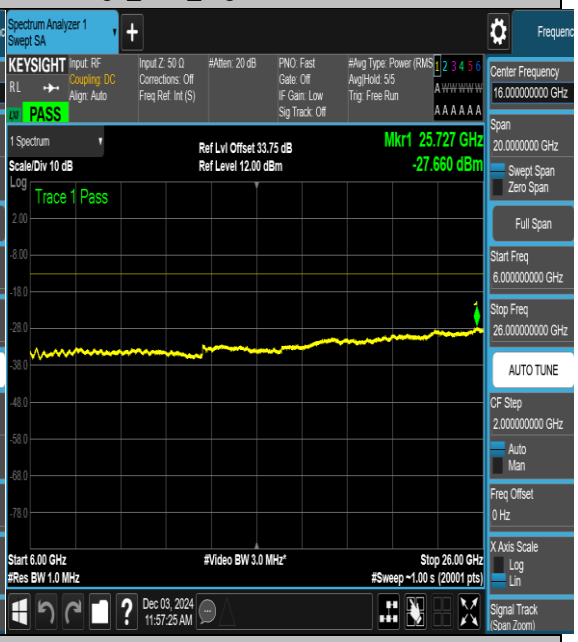

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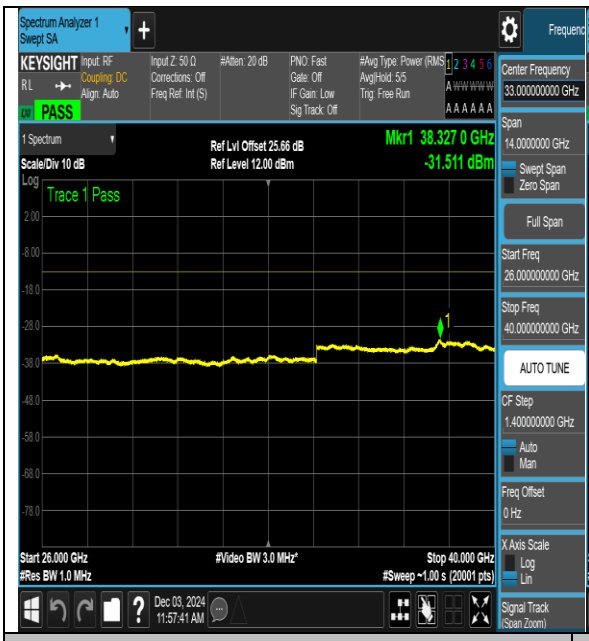

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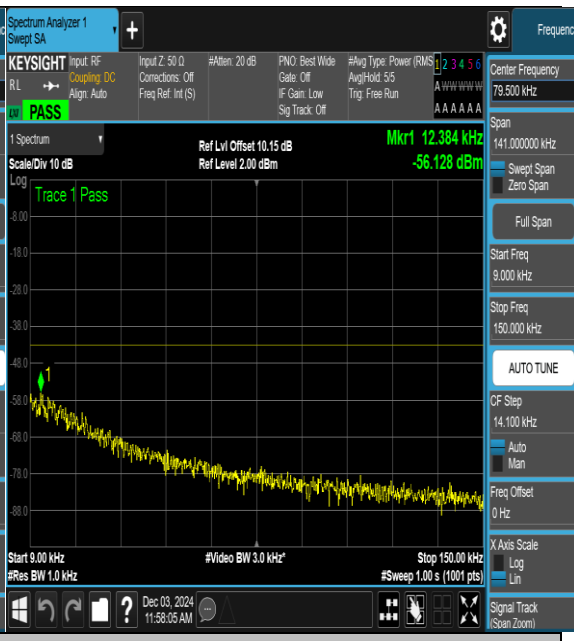

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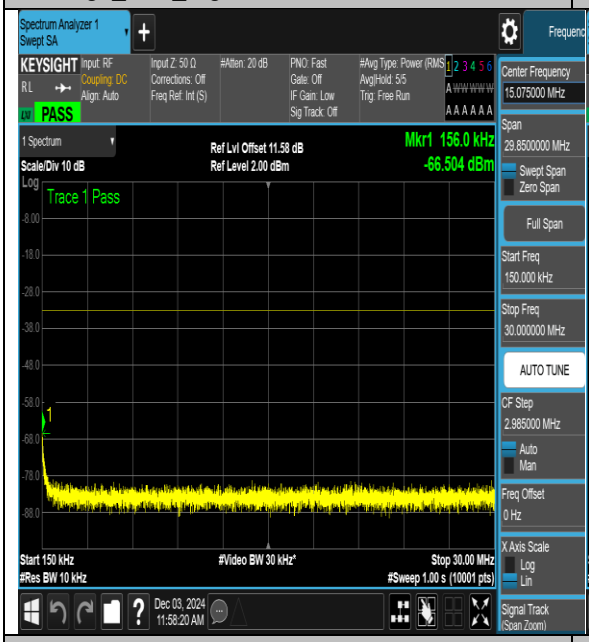

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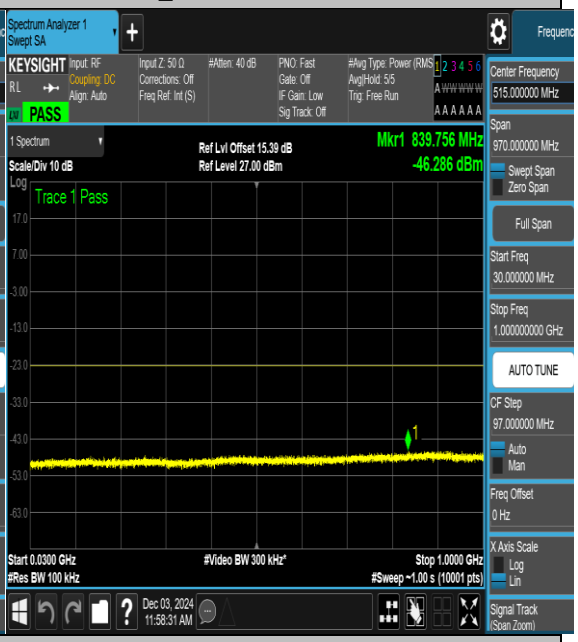

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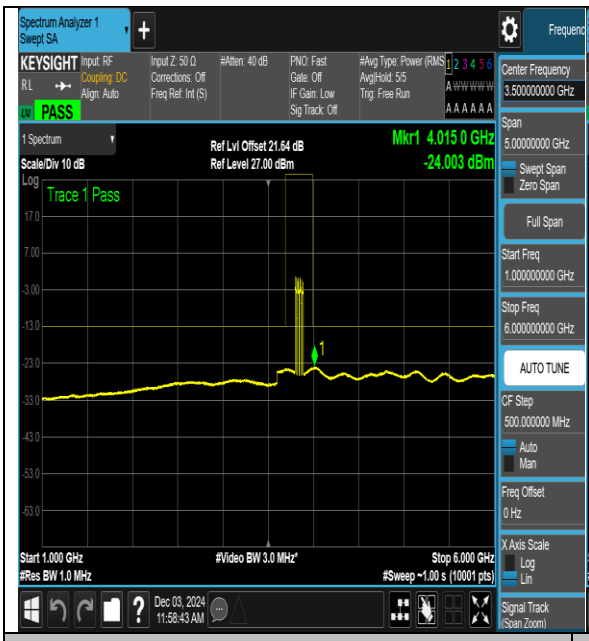

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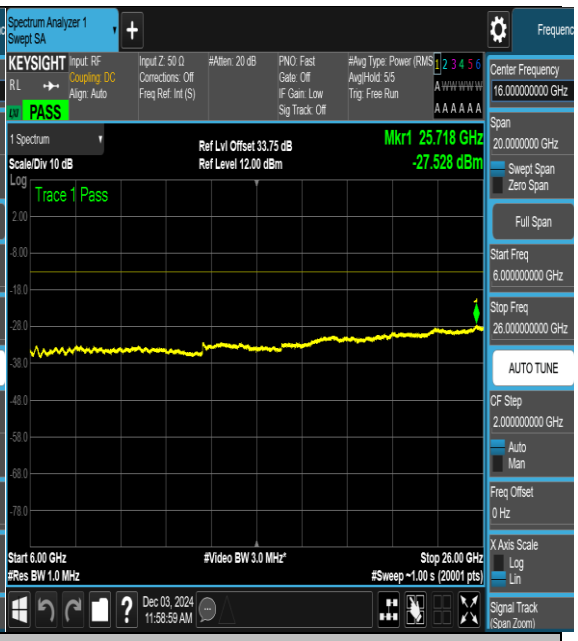

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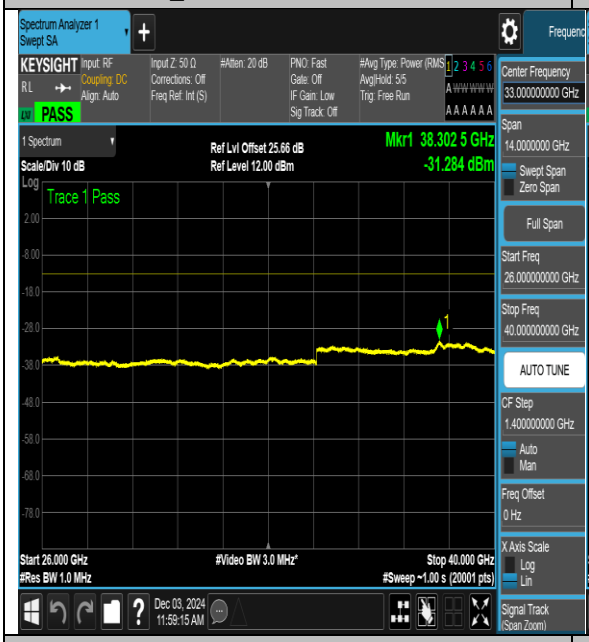
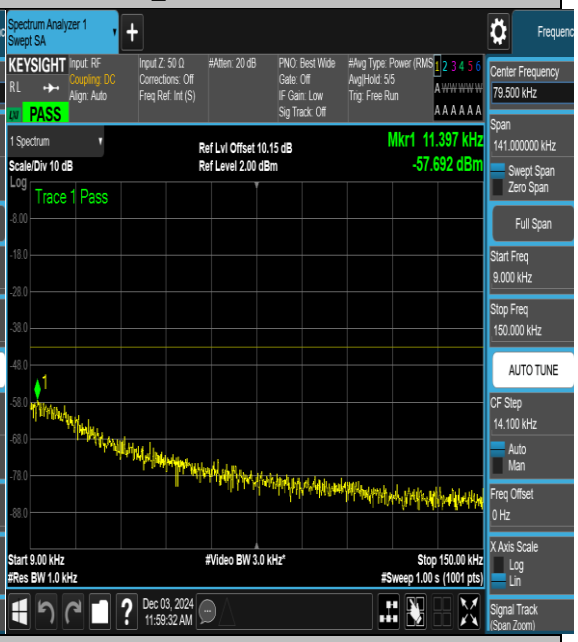


NTNV-N77-3700-3980-PC2-30-100-M-DFT-QPSK -Outer_Full-26000-40000-Ant1-PASS



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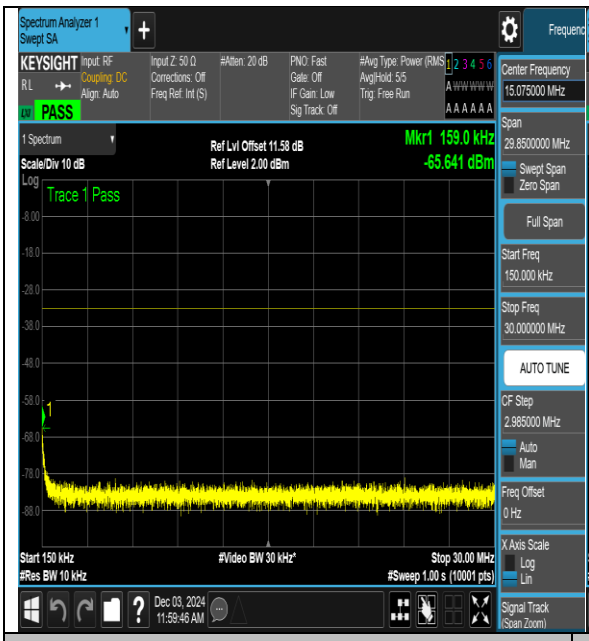

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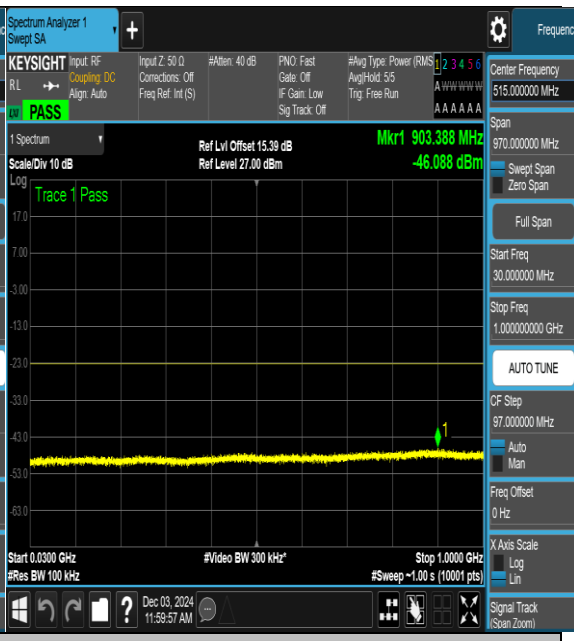

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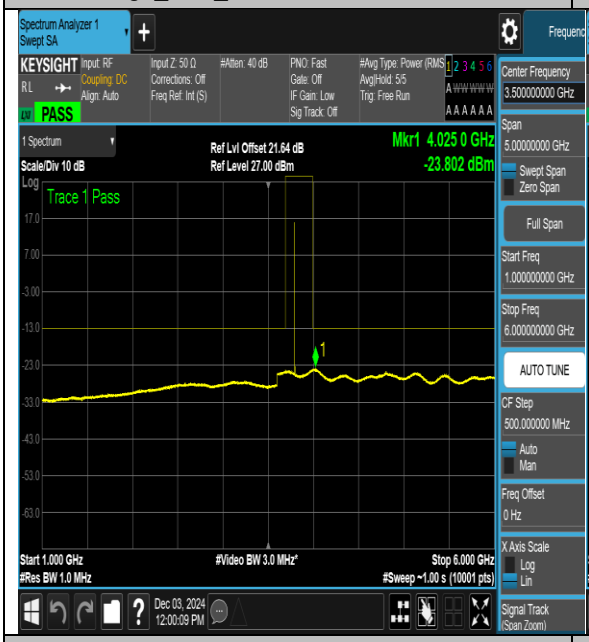

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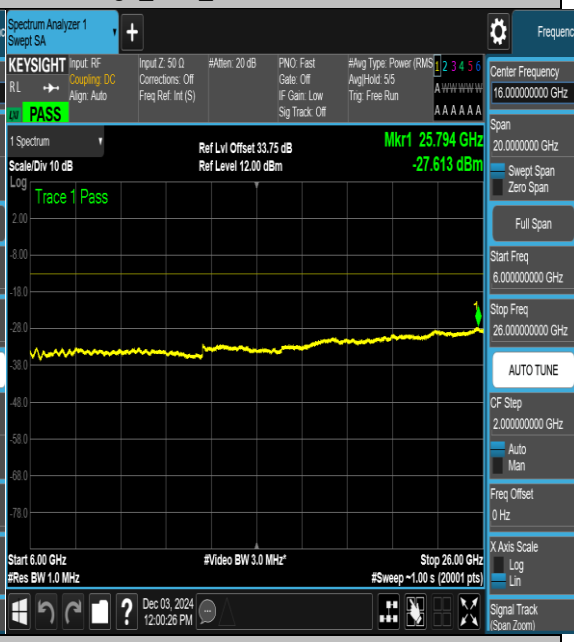

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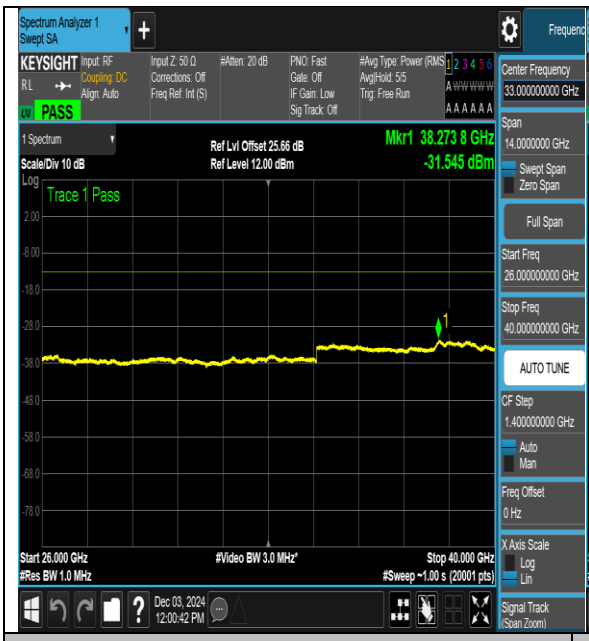
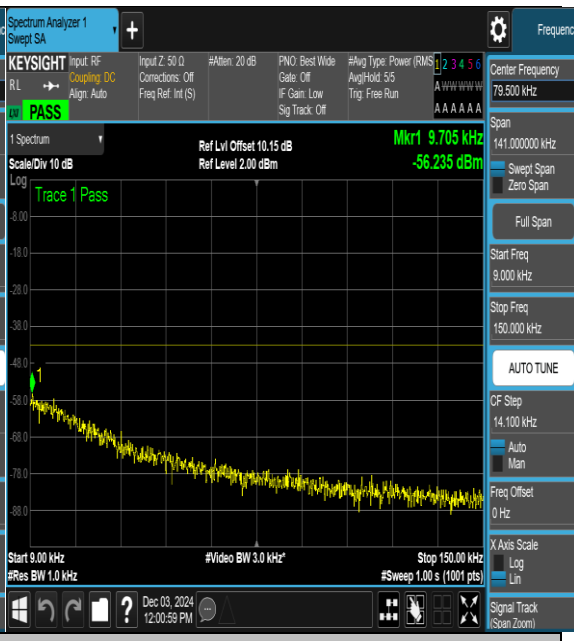


NTNV-N77-3700-3980-PC2-30-100-M-DFT-QPSK -Edge_1RB_Left-26000-40000-Ant1-PASS



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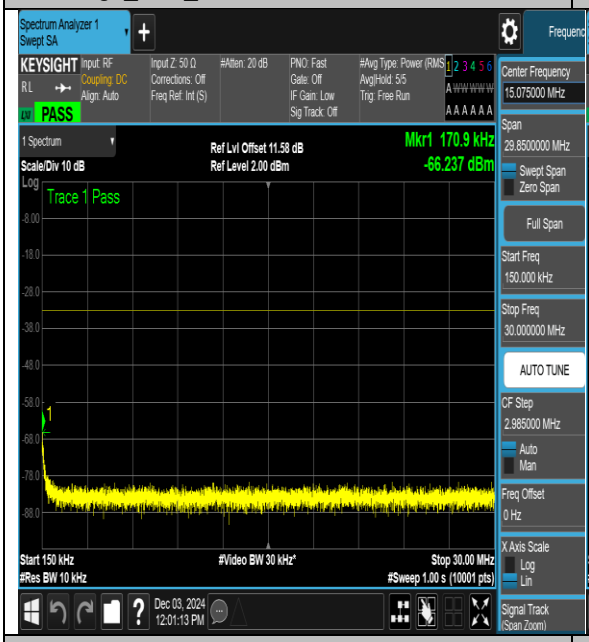

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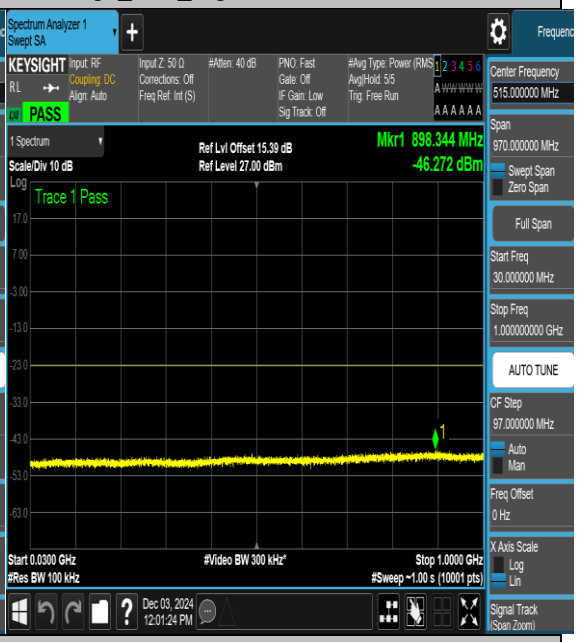

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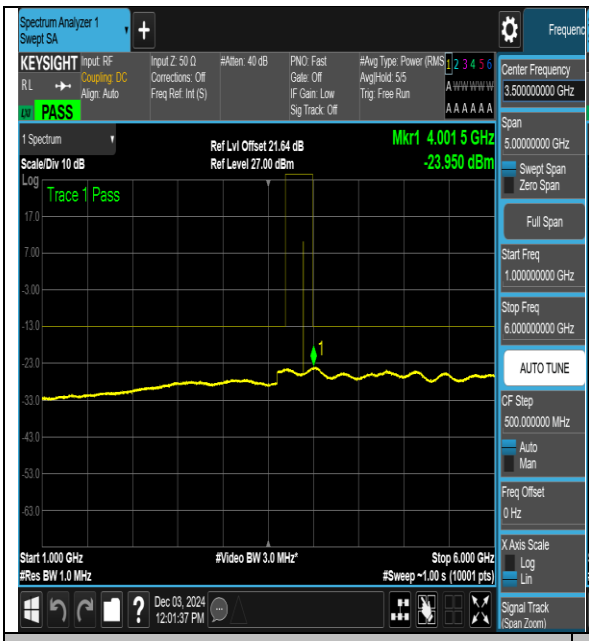

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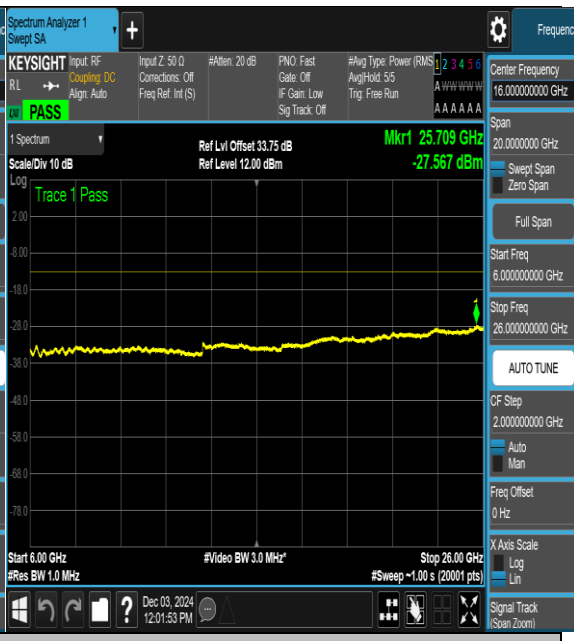
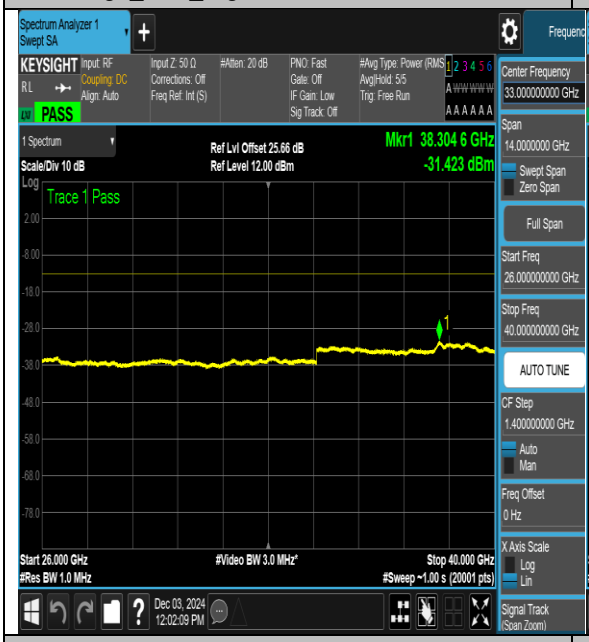
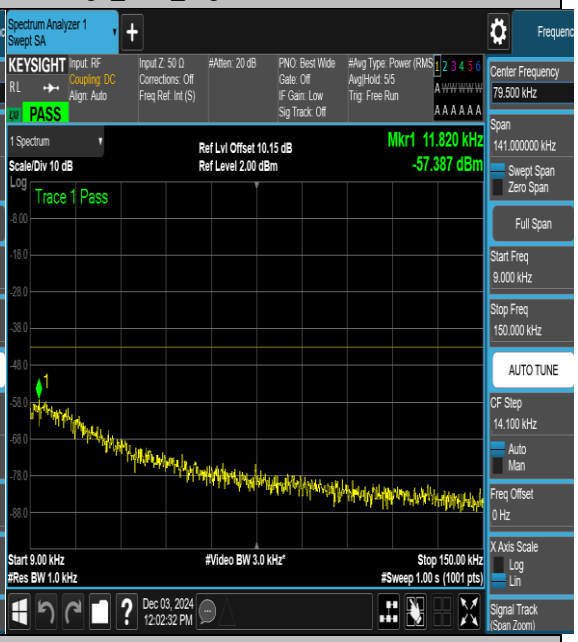


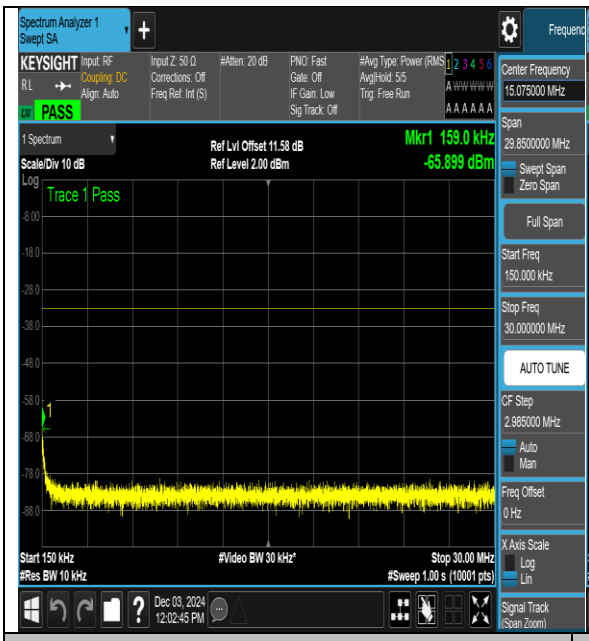
NTNV-N77-3700-3980-PC2-30-100-M-DFT-QPSK -Edge_1RB_Right-6000-26000-Ant1-PASS



NTNV-N77-3700-3980-PC2-30-100-M-DFT-QPSK -Edge_1RB_Right-26000-40000-Ant1-PASS



NTNV-N77-3700-3980-PC2-30-100-H-DFT-QPSK-Outer_Full-0.009-0.15-Ant1-PASS



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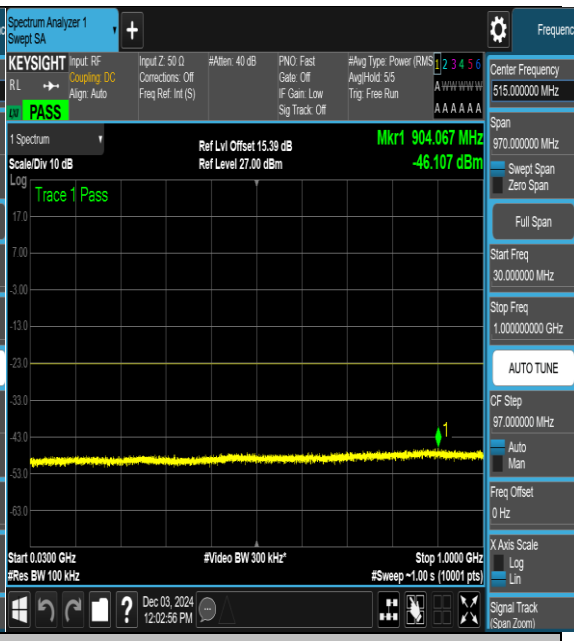

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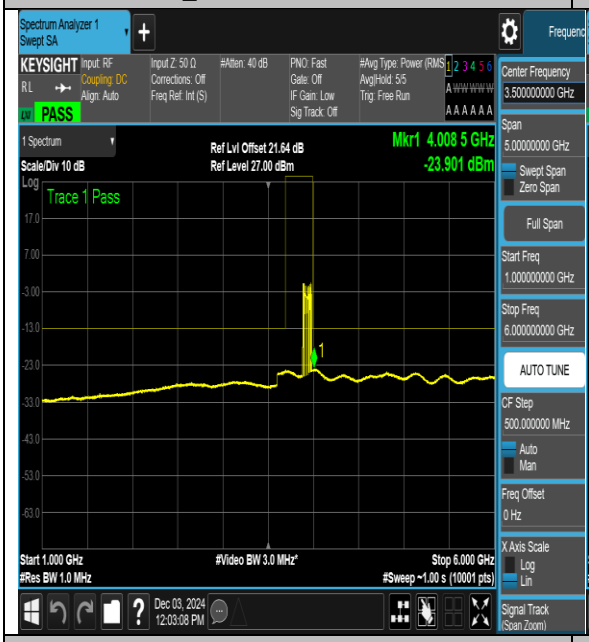

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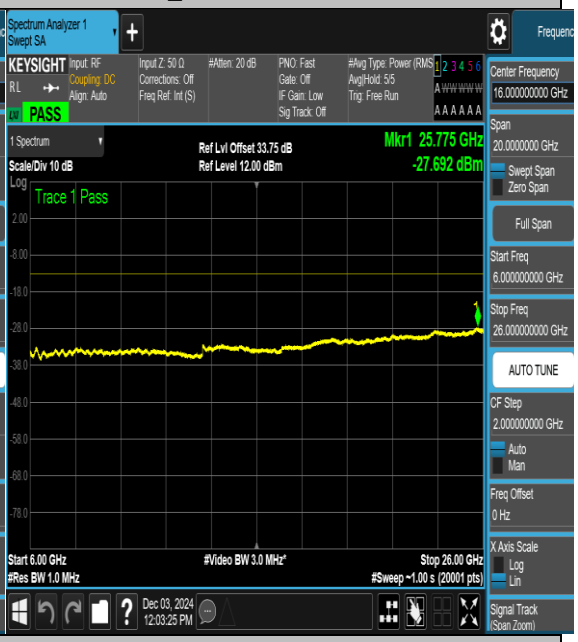

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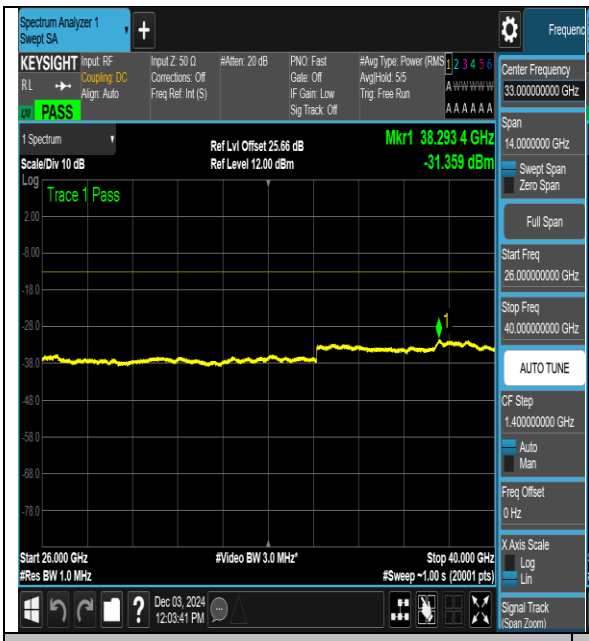

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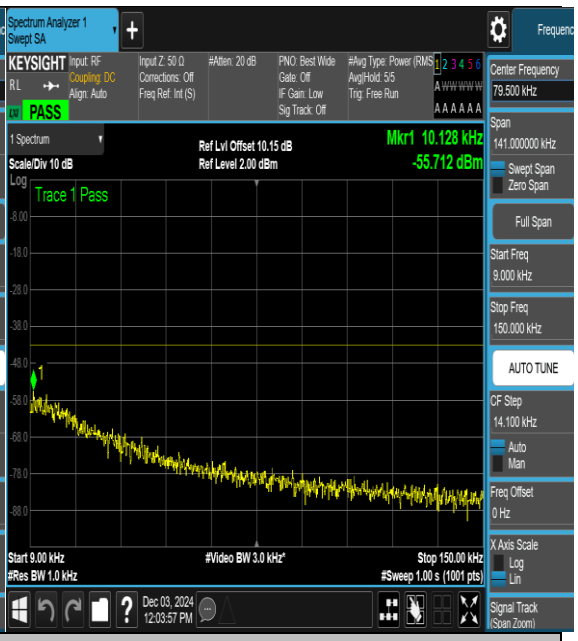

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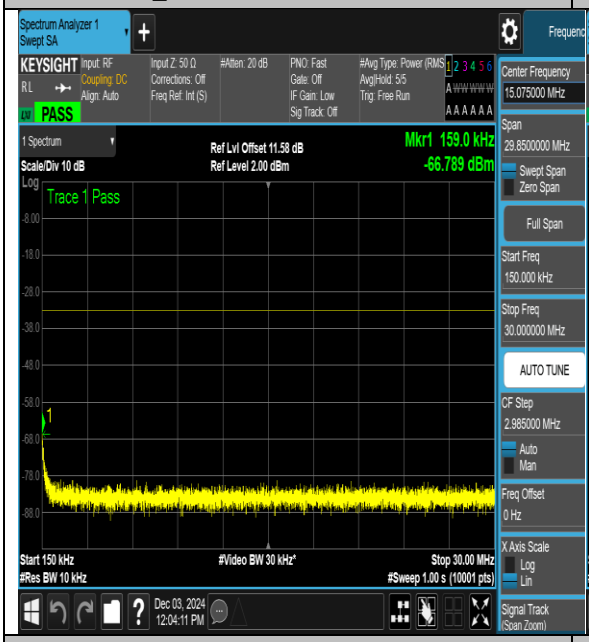

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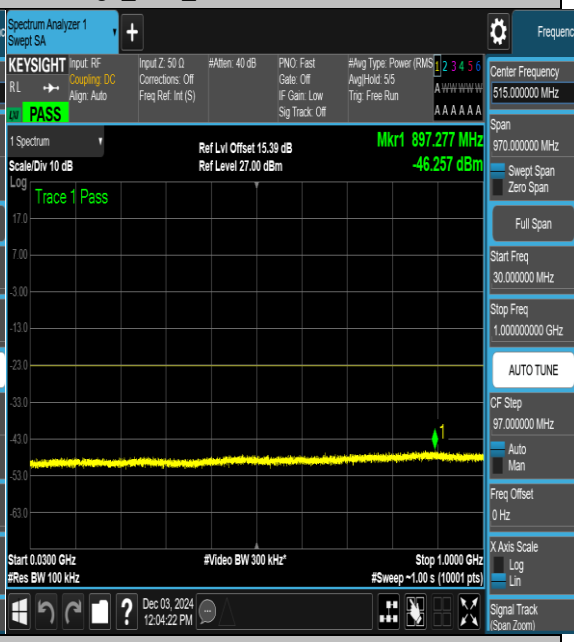

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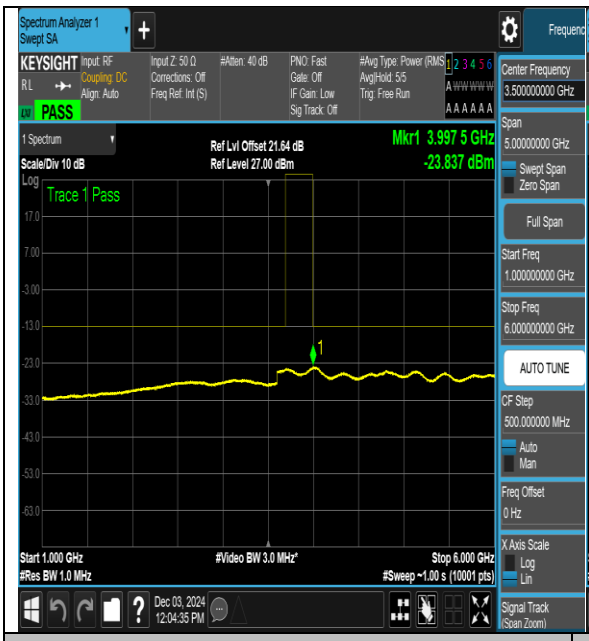
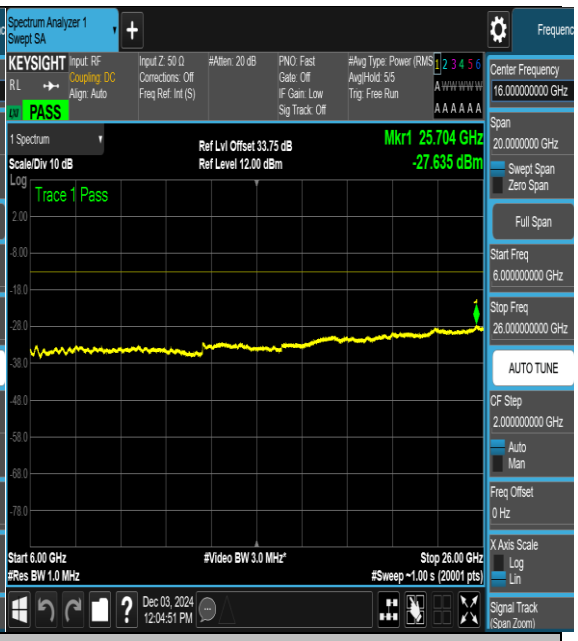


NTNV-N77-3700-3980-PC2-30-100-H-DFT-QPSK-Edge_1RB_Left-1000-6000-Ant1-PASS



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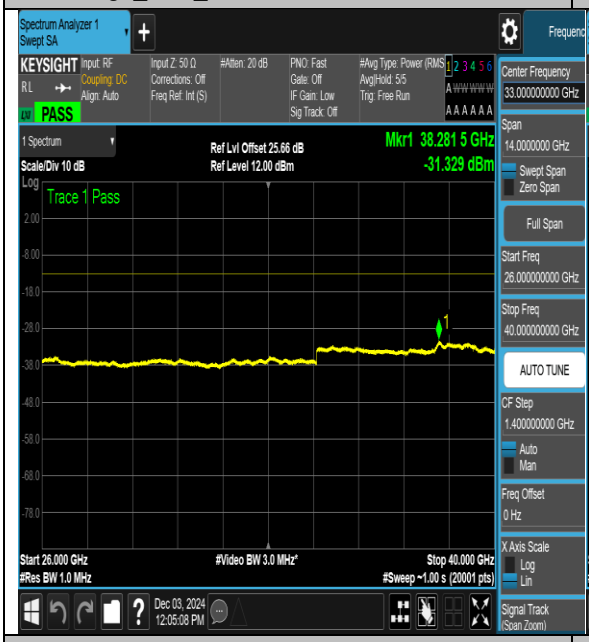
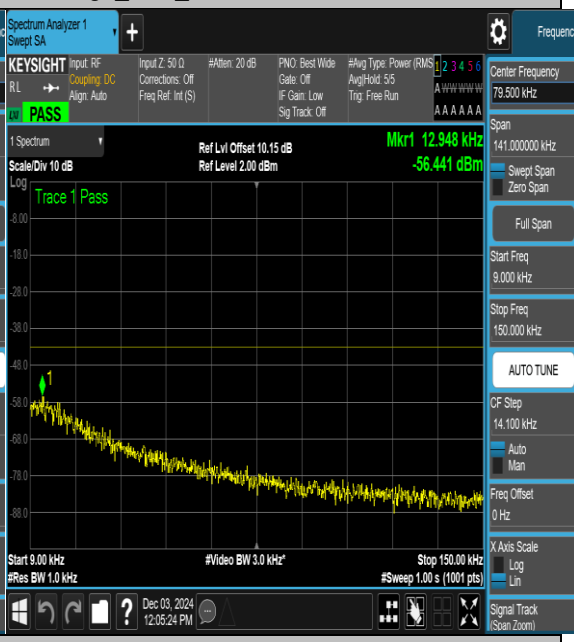
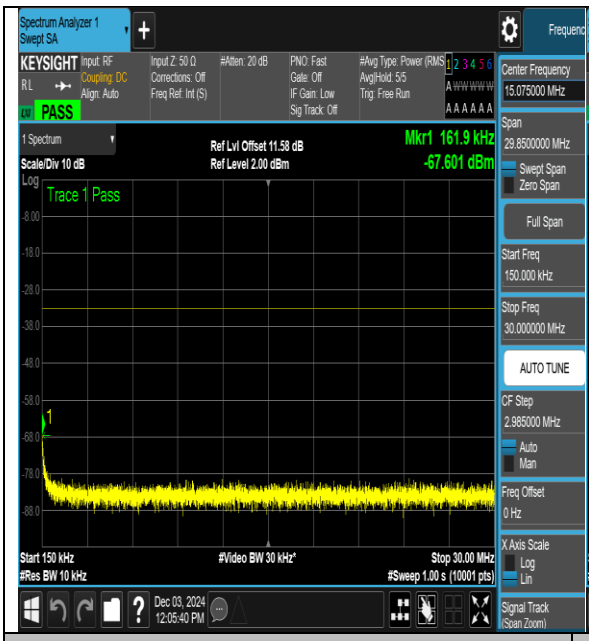


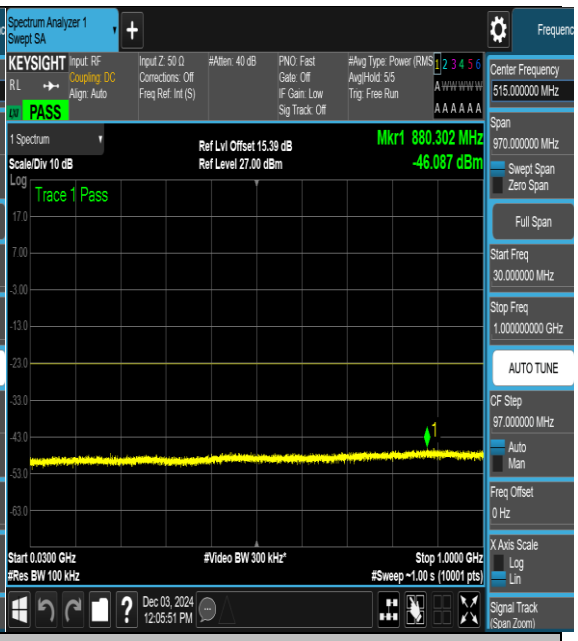
NTNV-N77-3700-3980-PC2-30-100-H-DFT-QPSK-Edge_1RB_Left-26000-40000-Ant1-PASS



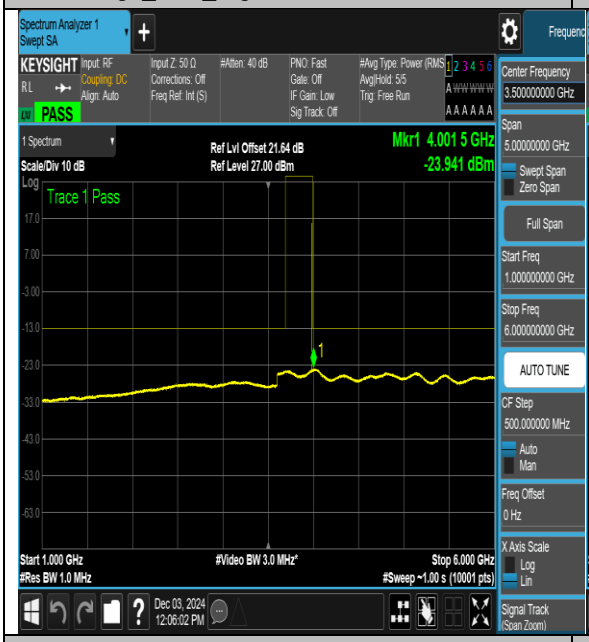
NTNV-N77-3700-3980-PC2-30-100-H-DFT-QPSK-Edge_1RB_Right-0.009-0.15-Ant1-PASS



NTNV-N77-3700-3980-PC2-30-100-H-DFT-QPSK-Edge_1RB_Right-0.15-30-Ant1-PASS



NTNV-N77-3700-3980-PC2-30-100-H-DFT-QPSK-Edge_1RB_Right-30-1000-Ant1-PASS



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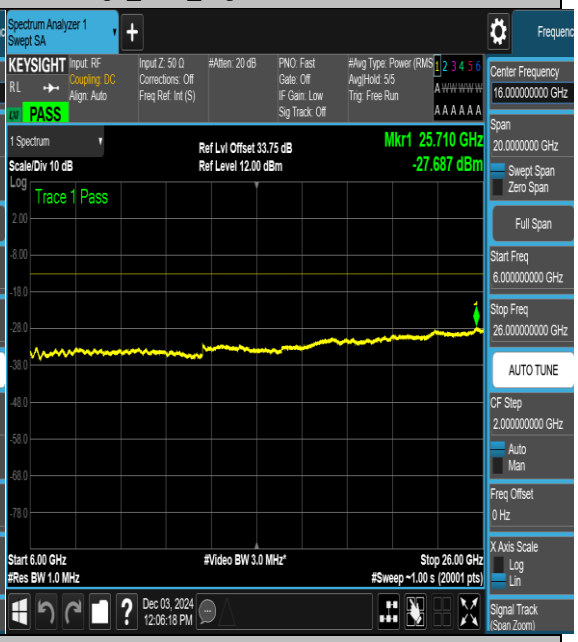
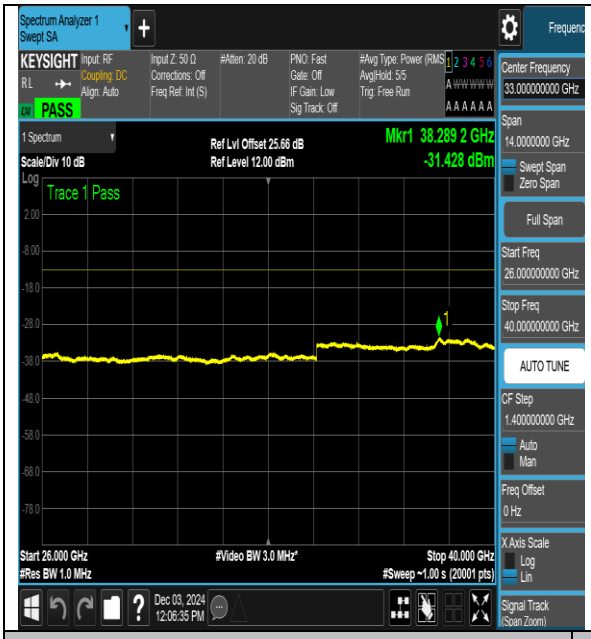


NTNV-N77-3700-3980-PC2-30-100-H-DFT-QPSK-Edge_1RB_Right-6000-26000-Ant1-PASS



NTNV-N77-3700-3980-PC2-30-100-H-DFT-QPSK-Edge_1RB_Right-26000-40000-Ant1-PASS	

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
N77-3700-3980	30	20	DFT-QPSK	L	Outer_Full	VL	NT	0.510000	0.000137	PASS
N77-3700-3980	30	20	DFT-QPSK	L	Outer_Full	VN	NT	0.350000	0.000094	PASS
N77-3700-3980	30	20	DFT-QPSK	L	Outer_Full	VH	NT	0.390000	0.000105	PASS
N77-3700-3980	30	20	DFT-16QAM	L	Outer_Full	VL	NT	3.200000	0.000863	PASS
N77-3700-3980	30	20	DFT-16QAM	L	Outer_Full	VN	NT	3.600000	0.000970	PASS
N77-3700-3980	30	20	DFT-16QAM	L	Outer_Full	VH	NT	-0.030000	-0.000008	PASS
N77-3700-3980	30	20	DFT-QPSK	M	Outer_Full	VL	NT	-3.280000	-0.000854	PASS
N77-3700-3980	30	20	DFT-QPSK	M	Outer_Full	VN	NT	-1.550000	-0.000404	PASS
N77-3700-3980	30	20	DFT-QPSK	M	Outer_Full	VH	NT	1.040000	0.000271	PASS
N77-3700-3980	30	20	DFT-16QAM	M	Outer_Full	VL	NT	-2.710000	-0.000706	PASS
N77-3700-3980	30	20	DFT-16QAM	M	Outer_Full	VN	NT	-3.800000	-0.000990	PASS
N77-3700-3980	30	20	DFT-16QAM	M	Outer_Full	VH	NT	4.450000	0.001159	PASS
N77-3700-3980	30	20	DFT-QPSK	H	Outer_Full	VL	NT	0.530000	0.000134	PASS
N77-3700-3980	30	20	DFT-QPSK	H	Outer_Full	VN	NT	-6.440000	-0.001622	PASS
N77-3700-3980	30	20	DFT-QPSK	H	Outer_Full	VH	NT	-0.680000	-0.000171	PASS
N77-3700-3980	30	20	DFT-16QAM	H	Outer_Full	VL	NT	-0.830000	-0.000209	PASS
N77-370	30	20	DFT-16QAM	H	Outer_Full	VN	NT	-3.840000	-0.000967	PASS

0-3980										
N77-370 0-3980	30	20	DFT-16QAM	H	Outer_Full	VH	NT	0.180000	0.000045	PASS
N77-370 0-3980	30	30	DFT-QPSK	L	Outer_Full	VL	NT	-13.910000	-0.003744	PASS
N77-370 0-3980	30	30	DFT-QPSK	L	Outer_Full	VN	NT	-10.920000	-0.002939	PASS
N77-370 0-3980	30	30	DFT-QPSK	L	Outer_Full	VH	NT	-6.760000	-0.001820	PASS
N77-370 0-3980	30	30	DFT-16QAM	L	Outer_Full	VL	NT	-9.560000	-0.002573	PASS
N77-370 0-3980	30	30	DFT-16QAM	L	Outer_Full	VN	NT	-1.960000	-0.000528	PASS
N77-370 0-3980	30	30	DFT-16QAM	L	Outer_Full	VH	NT	-17.150000	-0.004616	PASS
N77-370 0-3980	30	30	DFT-QPSK	M	Outer_Full	VL	NT	-12.570000	-0.003273	PASS
N77-370 0-3980	30	30	DFT-QPSK	M	Outer_Full	VN	NT	-6.660000	-0.001734	PASS
N77-370 0-3980	30	30	DFT-QPSK	M	Outer_Full	VH	NT	-20.480000	-0.005333	PASS
N77-370 0-3980	30	30	DFT-16QAM	M	Outer_Full	VL	NT	-17.260000	-0.004495	PASS
N77-370 0-3980	30	30	DFT-16QAM	M	Outer_Full	VN	NT	-16.620000	-0.004328	PASS
N77-370 0-3980	30	30	DFT-16QAM	M	Outer_Full	VH	NT	-18.320000	-0.004771	PASS
N77-370 0-3980	30	30	DFT-QPSK	H	Outer_Full	VL	NT	-4.550000	-0.001148	PASS
N77-370 0-3980	30	30	DFT-QPSK	H	Outer_Full	VN	NT	-16.890000	-0.004260	PASS
N77-370 0-3980	30	30	DFT-QPSK	H	Outer_Full	VH	NT	-15.510000	-0.003911	PASS
N77-370 0-3980	30	30	DFT-16QAM	H	Outer_Full	VL	NT	-14.440000	-0.003642	PASS
N77-370 0-3980	30	30	DFT-16QAM	H	Outer_Full	VN	NT	-15.380000	-0.003879	PASS
N77-370 0-3980	30	30	DFT-16QAM	H	Outer_Full	VH	NT	-16.640000	-0.004197	PASS
N77-370 0-3980	30	40	DFT-QPSK	L	Outer_Full	VL	NT	-1.690000	-0.000454	PASS
N77-370	30	40	DFT-QPSK	L	Outer_Full	VN	NT	6.250000	0.001680	PASS

0-3980										
N77-370 0-3980	30	40	DFT-QPSK	L	Outer_Full	VH	NT	1.350000	0.000363	PASS
N77-370 0-3980	30	40	DFT-16QAM	L	Outer_Full	VL	NT	4.120000	0.001108	PASS
N77-370 0-3980	30	40	DFT-16QAM	L	Outer_Full	VN	NT	-3.150000	-0.000847	PASS
N77-370 0-3980	30	40	DFT-16QAM	L	Outer_Full	VH	NT	-3.110000	-0.000836	PASS
N77-370 0-3980	30	40	DFT-QPSK	M	Outer_Full	VL	NT	-0.770000	-0.000201	PASS
N77-370 0-3980	30	40	DFT-QPSK	M	Outer_Full	VN	NT	-1.800000	-0.000469	PASS
N77-370 0-3980	30	40	DFT-QPSK	M	Outer_Full	VH	NT	-4.880000	-0.001271	PASS
N77-370 0-3980	30	40	DFT-16QAM	M	Outer_Full	VL	NT	-6.690000	-0.001742	PASS
N77-370 0-3980	30	40	DFT-16QAM	M	Outer_Full	VN	NT	-1.990000	-0.000518	PASS
N77-370 0-3980	30	40	DFT-16QAM	M	Outer_Full	VH	NT	-5.130000	-0.001336	PASS
N77-370 0-3980	30	40	DFT-QPSK	H	Outer_Full	VL	NT	-1.800000	-0.000455	PASS
N77-370 0-3980	30	40	DFT-QPSK	H	Outer_Full	VN	NT	-0.680000	-0.000172	PASS
N77-370 0-3980	30	40	DFT-QPSK	H	Outer_Full	VH	NT	-2.140000	-0.000540	PASS
N77-370 0-3980	30	40	DFT-16QAM	H	Outer_Full	VL	NT	-2.970000	-0.000750	PASS
N77-370 0-3980	30	40	DFT-16QAM	H	Outer_Full	VN	NT	-5.560000	-0.001404	PASS
N77-370 0-3980	30	40	DFT-16QAM	H	Outer_Full	VH	NT	-4.820000	-0.001217	PASS
N77-370 0-3980	30	60	DFT-QPSK	L	Outer_Full	VL	NT	-0.560000	-0.000150	PASS
N77-370 0-3980	30	60	DFT-QPSK	L	Outer_Full	VN	NT	0.360000	0.000097	PASS
N77-370 0-3980	30	60	DFT-QPSK	L	Outer_Full	VH	NT	-1.450000	-0.000389	PASS
N77-370 0-3980	30	60	DFT-16QAM	L	Outer_Full	VL	NT	3.000000	0.000804	PASS
N77-370	30	60	DFT-16QAM	L	Outer_Full	VN	NT	0.290000	0.000078	PASS

0-3980										
N77-370 0-3980	30	60	DFT-16QAM	L	Outer_Full	VH	NT	2.570000	0.000689	PASS
N77-370 0-3980	30	60	DFT-QPSK	M	Outer_Full	VL	NT	-8.780000	-0.002286	PASS
N77-370 0-3980	30	60	DFT-QPSK	M	Outer_Full	VN	NT	0.000000	0.000000	PASS
N77-370 0-3980	30	60	DFT-QPSK	M	Outer_Full	VH	NT	-8.359999	-0.002177	PASS
N77-370 0-3980	30	60	DFT-16QAM	M	Outer_Full	VL	NT	-2.080000	-0.000542	PASS
N77-370 0-3980	30	60	DFT-16QAM	M	Outer_Full	VN	NT	-0.350000	-0.000091	PASS
N77-370 0-3980	30	60	DFT-16QAM	M	Outer_Full	VH	NT	-7.270000	-0.001893	PASS
N77-370 0-3980	30	60	DFT-QPSK	H	Outer_Full	VL	NT	1.090000	0.000276	PASS
N77-370 0-3980	30	60	DFT-QPSK	H	Outer_Full	VN	NT	-1.730000	-0.000438	PASS
N77-370 0-3980	30	60	DFT-QPSK	H	Outer_Full	VH	NT	-3.550000	-0.000899	PASS
N77-370 0-3980	30	60	DFT-16QAM	H	Outer_Full	VL	NT	-2.920000	-0.000739	PASS
N77-370 0-3980	30	60	DFT-16QAM	H	Outer_Full	VN	NT	-3.830000	-0.000970	PASS
N77-370 0-3980	30	60	DFT-16QAM	H	Outer_Full	VH	NT	0.950000	0.000241	PASS
N77-370 0-3980	30	80	DFT-QPSK	L	Outer_Full	VL	NT	-1.560000	-0.000417	PASS
N77-370 0-3980	30	80	DFT-QPSK	L	Outer_Full	VN	NT	0.910000	0.000243	PASS
N77-370 0-3980	30	80	DFT-QPSK	L	Outer_Full	VH	NT	-3.840000	-0.001027	PASS
N77-370 0-3980	30	80	DFT-16QAM	L	Outer_Full	VL	NT	-3.420000	-0.000914	PASS
N77-370 0-3980	30	80	DFT-16QAM	L	Outer_Full	VN	NT	1.440000	0.000385	PASS
N77-370 0-3980	30	80	DFT-16QAM	L	Outer_Full	VH	NT	2.300000	0.000615	PASS
N77-370 0-3980	30	80	DFT-QPSK	M	Outer_Full	VL	NT	-1.960000	-0.000510	PASS
N77-370	30	80	DFT-QPSK	M	Outer_Full	VN	NT	-5.330000	-0.001388	PASS

0-3980										
N77-370 0-3980	30	80	DFT-QPSK	M	Outer_Full	VH	NT	-0.360000	-0.000094	PASS
N77-370 0-3980	30	80	DFT-16QAM	M	Outer_Full	VL	NT	-3.480000	-0.000906	PASS
N77-370 0-3980	30	80	DFT-16QAM	M	Outer_Full	VN	NT	-1.920000	-0.000500	PASS
N77-370 0-3980	30	80	DFT-16QAM	M	Outer_Full	VH	NT	-9.610000	-0.002503	PASS
N77-370 0-3980	30	80	DFT-QPSK	H	Outer_Full	VL	NT	-10.050000	-0.002551	PASS
N77-370 0-3980	30	80	DFT-QPSK	H	Outer_Full	VN	NT	1.250000	0.000317	PASS
N77-370 0-3980	30	80	DFT-QPSK	H	Outer_Full	VH	NT	-7.060000	-0.001792	PASS
N77-370 0-3980	30	80	DFT-16QAM	H	Outer_Full	VL	NT	-3.670000	-0.000931	PASS
N77-370 0-3980	30	80	DFT-16QAM	H	Outer_Full	VN	NT	-8.060000	-0.002046	PASS
N77-370 0-3980	30	80	DFT-16QAM	H	Outer_Full	VH	NT	-2.100000	-0.000533	PASS
N77-370 0-3980	30	100	DFT-QPSK	L	Outer_Full	VL	NT	-5.030000	-0.001341	PASS
N77-370 0-3980	30	100	DFT-QPSK	L	Outer_Full	VN	NT	1.300000	0.000347	PASS
N77-370 0-3980	30	100	DFT-QPSK	L	Outer_Full	VH	NT	-7.360000	-0.001963	PASS
N77-370 0-3980	30	100	DFT-16QAM	L	Outer_Full	VL	NT	-4.270000	-0.001139	PASS
N77-370 0-3980	30	100	DFT-16QAM	L	Outer_Full	VN	NT	-4.370000	-0.001165	PASS
N77-370 0-3980	30	100	DFT-16QAM	L	Outer_Full	VH	NT	-4.510000	-0.001203	PASS
N77-370 0-3980	30	100	DFT-QPSK	M	Outer_Full	VL	NT	-11.810000	-0.003076	PASS
N77-370 0-3980	30	100	DFT-QPSK	M	Outer_Full	VN	NT	-6.770000	-0.001763	PASS
N77-370 0-3980	30	100	DFT-QPSK	M	Outer_Full	VH	NT	1.930000	0.000503	PASS
N77-370 0-3980	30	100	DFT-16QAM	M	Outer_Full	VL	NT	-6.870000	-0.001789	PASS
N77-370	30	100	DFT-16QAM	M	Outer_Full	VN	NT	-4.750000	-0.001237	PASS

0-3980										
N77-370 0-3980	30	100	DFT-16QAM	M	Outer_Full	VH	NT	-11.650000	-0.003034	PASS
N77-370 0-3980	30	100	DFT-QPSK	H	Outer_Full	VL	NT	-8.350000	-0.002125	PASS
N77-370 0-3980	30	100	DFT-QPSK	H	Outer_Full	VN	NT	-3.650000	-0.000929	PASS
N77-370 0-3980	30	100	DFT-QPSK	H	Outer_Full	VH	NT	-2.840000	-0.000723	PASS
N77-370 0-3980	30	100	DFT-16QAM	H	Outer_Full	VL	NT	-3.490000	-0.000888	PASS
N77-370 0-3980	30	100	DFT-16QAM	H	Outer_Full	VN	NT	-5.040000	-0.001282	PASS
N77-370 0-3980	30	100	DFT-16QAM	H	Outer_Full	VH	NT	-5.820000	-0.001481	PASS

Frequency Error VS. Temperature

Voltage										
Band	SCS	Bandwidth	Modulation	Channel	RB Config	Voltage	Temperature	Deviation(Hz)	Deviation (ppm)	Verdict
N77-370 0-3980	30	20	DFT-QPSK	L	Outer_Full	NV	-30	2.900000	0.000782	PASS
N77-370 0-3980	30	20	DFT-QPSK	L	Outer_Full	NV	-20	3.670000	0.000989	PASS
N77-370 0-3980	30	20	DFT-QPSK	L	Outer_Full	NV	-10	7.790000	0.002100	PASS
N77-370 0-3980	30	20	DFT-QPSK	L	Outer_Full	NV	0	2.060000	0.000555	PASS
N77-370 0-3980	30	20	DFT-QPSK	L	Outer_Full	NV	10	1.810000	0.000488	PASS
N77-370 0-3980	30	20	DFT-QPSK	L	Outer_Full	NV	20	4.860000	0.001310	PASS
N77-370 0-3980	30	20	DFT-QPSK	L	Outer_Full	NV	30	2.720000	0.000733	PASS
N77-370 0-3980	30	20	DFT-QPSK	L	Outer_Full	NV	40	-3.990000	-0.001075	PASS
N77-370 0-3980	30	20	DFT-QPSK	L	Outer_Full	NV	50	1.490000	0.000402	PASS
N77-370 0-3980	30	20	DFT-16QAM	L	Outer_Full	NV	-30	1.680000	0.000453	PASS
N77-370 0-3980	30	20	DFT-16QAM	L	Outer_Full	NV	-20	1.590000	0.000429	PASS

N77-3700-3980	30	20	DFT-16QAM	L	Outer_Full	NV	-10	0.050000	0.000013	PASS
N77-3700-3980	30	20	DFT-16QAM	L	Outer_Full	NV	0	3.000000	0.000809	PASS
N77-3700-3980	30	20	DFT-16QAM	L	Outer_Full	NV	10	-3.480000	-0.000938	PASS
N77-3700-3980	30	20	DFT-16QAM	L	Outer_Full	NV	20	1.480000	0.000399	PASS
N77-3700-3980	30	20	DFT-16QAM	L	Outer_Full	NV	30	4.680000	0.001261	PASS
N77-3700-3980	30	20	DFT-16QAM	L	Outer_Full	NV	40	3.000000	0.000809	PASS
N77-3700-3980	30	20	DFT-16QAM	L	Outer_Full	NV	50	2.620000	0.000706	PASS
N77-3700-3980	30	20	DFT-QPSK	M	Outer_Full	NV	-30	-3.680000	-0.000958	PASS
N77-3700-3980	30	20	DFT-QPSK	M	Outer_Full	NV	-20	-1.850000	-0.000482	PASS
N77-3700-3980	30	20	DFT-QPSK	M	Outer_Full	NV	-10	1.700000	0.000443	PASS
N77-3700-3980	30	20	DFT-QPSK	M	Outer_Full	NV	0	-3.820000	-0.000995	PASS
N77-3700-3980	30	20	DFT-QPSK	M	Outer_Full	NV	10	-0.750000	-0.000195	PASS
N77-3700-3980	30	20	DFT-QPSK	M	Outer_Full	NV	20	-2.840000	-0.000740	PASS
N77-3700-3980	30	20	DFT-QPSK	M	Outer_Full	NV	30	-0.130000	-0.000034	PASS
N77-3700-3980	30	20	DFT-QPSK	M	Outer_Full	NV	40	0.290000	0.000076	PASS
N77-3700-3980	30	20	DFT-QPSK	M	Outer_Full	NV	50	-4.520000	-0.001177	PASS
N77-3700-3980	30	20	DFT-16QAM	M	Outer_Full	NV	-30	-5.770000	-0.001503	PASS
N77-3700-3980	30	20	DFT-16QAM	M	Outer_Full	NV	-20	-0.590000	-0.000154	PASS
N77-3700-3980	30	20	DFT-16QAM	M	Outer_Full	NV	-10	-0.910000	-0.000237	PASS
N77-3700-3980	30	20	DFT-16QAM	M	Outer_Full	NV	0	-0.310000	-0.000081	PASS
N77-3700-3980	30	20	DFT-16QAM	M	Outer_Full	NV	10	-3.520000	-0.000917	PASS

N77-3700-3980	30	20	DFT-16QAM	M	Outer_Full	NV	20	-4.520000	-0.001177	PASS
N77-3700-3980	30	20	DFT-16QAM	M	Outer_Full	NV	30	0.370000	0.000096	PASS
N77-3700-3980	30	20	DFT-16QAM	M	Outer_Full	NV	40	-5.270000	-0.001372	PASS
N77-3700-3980	30	20	DFT-16QAM	M	Outer_Full	NV	50	-7.180000	-0.001870	PASS
N77-3700-3980	30	20	DFT-QPSK	H	Outer_Full	NV	-30	-1.700000	-0.000428	PASS
N77-3700-3980	30	20	DFT-QPSK	H	Outer_Full	NV	-20	-0.460000	-0.000116	PASS
N77-3700-3980	30	20	DFT-QPSK	H	Outer_Full	NV	-10	-2.840000	-0.000715	PASS
N77-3700-3980	30	20	DFT-QPSK	H	Outer_Full	NV	0	-3.730000	-0.000940	PASS
N77-3700-3980	30	20	DFT-QPSK	H	Outer_Full	NV	10	-6.520000	-0.001642	PASS
N77-3700-3980	30	20	DFT-QPSK	H	Outer_Full	NV	20	-0.220000	-0.000055	PASS
N77-3700-3980	30	20	DFT-QPSK	H	Outer_Full	NV	30	0.950000	0.000239	PASS
N77-3700-3980	30	20	DFT-QPSK	H	Outer_Full	NV	40	-1.710000	-0.000431	PASS
N77-3700-3980	30	20	DFT-QPSK	H	Outer_Full	NV	50	-6.520000	-0.001642	PASS
N77-3700-3980	30	20	DFT-16QAM	H	Outer_Full	NV	-30	0.370000	0.000093	PASS
N77-3700-3980	30	20	DFT-16QAM	H	Outer_Full	NV	-20	-0.900000	-0.000227	PASS
N77-3700-3980	30	20	DFT-16QAM	H	Outer_Full	NV	-10	-2.730000	-0.000688	PASS
N77-3700-3980	30	20	DFT-16QAM	H	Outer_Full	NV	0	-1.630000	-0.000411	PASS
N77-3700-3980	30	20	DFT-16QAM	H	Outer_Full	NV	10	-2.970000	-0.000748	PASS
N77-3700-3980	30	20	DFT-16QAM	H	Outer_Full	NV	20	1.940000	0.000488	PASS
N77-3700-3980	30	20	DFT-16QAM	H	Outer_Full	NV	30	-5.860000	-0.001476	PASS
N77-3700-3980	30	20	DFT-16QAM	H	Outer_Full	NV	40	1.700000	0.000428	PASS

N77-3700-3980	30	20	DFT-16QAM	H	Outer_Full	NV	50	0.000000	0.000000	PASS
N77-3700-3980	30	30	DFT-QPSK	L	Outer_Full	NV	-30	-11.430000	-0.003077	PASS
N77-3700-3980	30	30	DFT-QPSK	L	Outer_Full	NV	-20	1.290000	0.000347	PASS
N77-3700-3980	30	30	DFT-QPSK	L	Outer_Full	NV	-10	-12.710000	-0.003421	PASS
N77-3700-3980	30	30	DFT-QPSK	L	Outer_Full	NV	0	-6.820000	-0.001836	PASS
N77-3700-3980	30	30	DFT-QPSK	L	Outer_Full	NV	10	-13.560000	-0.003650	PASS
N77-3700-3980	30	30	DFT-QPSK	L	Outer_Full	NV	20	-15.360000	-0.004135	PASS
N77-3700-3980	30	30	DFT-QPSK	L	Outer_Full	NV	30	-10.670000	-0.002872	PASS
N77-3700-3980	30	30	DFT-QPSK	L	Outer_Full	NV	40	0.050000	0.000013	PASS
N77-3700-3980	30	30	DFT-QPSK	L	Outer_Full	NV	50	-11.490000	-0.003093	PASS
N77-3700-3980	30	30	DFT-16QAM	L	Outer_Full	NV	-30	-10.270000	-0.002764	PASS
N77-3700-3980	30	30	DFT-16QAM	L	Outer_Full	NV	-20	-2.890000	-0.000778	PASS
N77-3700-3980	30	30	DFT-16QAM	L	Outer_Full	NV	-10	-9.920000	-0.002670	PASS
N77-3700-3980	30	30	DFT-16QAM	L	Outer_Full	NV	0	-13.070000	-0.003518	PASS
N77-3700-3980	30	30	DFT-16QAM	L	Outer_Full	NV	10	-17.760000	-0.004781	PASS
N77-3700-3980	30	30	DFT-16QAM	L	Outer_Full	NV	20	-14.500000	-0.003903	PASS
N77-3700-3980	30	30	DFT-16QAM	L	Outer_Full	NV	30	-9.890000	-0.002662	PASS
N77-3700-3980	30	30	DFT-16QAM	L	Outer_Full	NV	40	-5.980000	-0.001610	PASS
N77-3700-3980	30	30	DFT-16QAM	L	Outer_Full	NV	50	-7.450000	-0.002004	PASS
N77-3700-3980	30	30	DFT-QPSK	M	Outer_Full	NV	-30	-15.070000	-0.003924	PASS
N77-3700-3980	30	30	DFT-QPSK	M	Outer_Full	NV	-20	-16.559999	-0.004313	PASS

N77-3700-3980	30	30	DFT-QPSK	M	Outer_Full	NV	-10	-11.520000	-0.003000	PASS
N77-3700-3980	30	30	DFT-QPSK	M	Outer_Full	NV	0	-10.640000	-0.002771	PASS
N77-3700-3980	30	30	DFT-QPSK	M	Outer_Full	NV	10	-12.760000	-0.003323	PASS
N77-3700-3980	30	30	DFT-QPSK	M	Outer_Full	NV	20	-7.450000	-0.001940	PASS
N77-3700-3980	30	30	DFT-QPSK	M	Outer_Full	NV	30	-23.130000	-0.006023	PASS
N77-3700-3980	30	30	DFT-QPSK	M	Outer_Full	NV	40	-11.640000	-0.003031	PASS
N77-3700-3980	30	30	DFT-QPSK	M	Outer_Full	NV	50	-11.470000	-0.002987	PASS
N77-3700-3980	30	30	DFT-16QAM	M	Outer_Full	NV	-30	-17.210000	-0.004482	PASS
N77-3700-3980	30	30	DFT-16QAM	M	Outer_Full	NV	-20	-12.960000	-0.003375	PASS
N77-3700-3980	30	30	DFT-16QAM	M	Outer_Full	NV	-10	-15.700000	-0.004088	PASS
N77-3700-3980	30	30	DFT-16QAM	M	Outer_Full	NV	0	-15.680000	-0.004083	PASS
N77-3700-3980	30	30	DFT-16QAM	M	Outer_Full	NV	10	-11.410000	-0.002971	PASS
N77-3700-3980	30	30	DFT-16QAM	M	Outer_Full	NV	20	-16.590000	-0.004320	PASS
N77-3700-3980	30	30	DFT-16QAM	M	Outer_Full	NV	30	-19.350000	-0.005039	PASS
N77-3700-3980	30	30	DFT-16QAM	M	Outer_Full	NV	40	-15.460000	-0.004026	PASS
N77-3700-3980	30	30	DFT-16QAM	M	Outer_Full	NV	50	-13.390000	-0.003487	PASS
N77-3700-3980	30	30	DFT-QPSK	H	Outer_Full	NV	-30	-14.840000	-0.003743	PASS
N77-3700-3980	30	30	DFT-QPSK	H	Outer_Full	NV	-20	-10.520000	-0.002653	PASS
N77-3700-3980	30	30	DFT-QPSK	H	Outer_Full	NV	-10	-11.950000	-0.003014	PASS
N77-3700-3980	30	30	DFT-QPSK	H	Outer_Full	NV	0	-15.980000	-0.004029	PASS
N77-3700-3980	30	30	DFT-QPSK	H	Outer_Full	NV	10	-14.660000	-0.003697	PASS

N77-3700-3980	30	30	DFT-QPSK	H	Outer_Full	NV	20	-6.950000	-0.001753	PASS
N77-3700-3980	30	30	DFT-QPSK	H	Outer_Full	NV	30	-12.620000	-0.003183	PASS
N77-3700-3980	30	30	DFT-QPSK	H	Outer_Full	NV	40	-13.440000	-0.003390	PASS
N77-3700-3980	30	30	DFT-QPSK	H	Outer_Full	NV	50	-10.570000	-0.002666	PASS
N77-3700-3980	30	30	DFT-16QAM	H	Outer_Full	NV	-30	-13.590000	-0.003428	PASS
N77-3700-3980	30	30	DFT-16QAM	H	Outer_Full	NV	-20	-5.820000	-0.001468	PASS
N77-3700-3980	30	30	DFT-16QAM	H	Outer_Full	NV	-10	-17.420000	-0.004393	PASS
N77-3700-3980	30	30	DFT-16QAM	H	Outer_Full	NV	0	-14.130000	-0.003564	PASS
N77-3700-3980	30	30	DFT-16QAM	H	Outer_Full	NV	10	-18.490000	-0.004663	PASS
N77-3700-3980	30	30	DFT-16QAM	H	Outer_Full	NV	20	-11.910000	-0.003004	PASS
N77-3700-3980	30	30	DFT-16QAM	H	Outer_Full	NV	30	-13.090000	-0.003301	PASS
N77-3700-3980	30	30	DFT-16QAM	H	Outer_Full	NV	40	-3.540000	-0.000893	PASS
N77-3700-3980	30	30	DFT-16QAM	H	Outer_Full	NV	50	-13.820000	-0.003486	PASS
N77-3700-3980	30	40	DFT-QPSK	L	Outer_Full	NV	-30	-3.460000	-0.000930	PASS
N77-3700-3980	30	40	DFT-QPSK	L	Outer_Full	NV	-20	-2.350000	-0.000632	PASS
N77-3700-3980	30	40	DFT-QPSK	L	Outer_Full	NV	-10	-1.090000	-0.000293	PASS
N77-3700-3980	30	40	DFT-QPSK	L	Outer_Full	NV	0	-2.330000	-0.000626	PASS
N77-3700-3980	30	40	DFT-QPSK	L	Outer_Full	NV	10	-5.300000	-0.001425	PASS
N77-3700-3980	30	40	DFT-QPSK	L	Outer_Full	NV	20	-1.120000	-0.000301	PASS
N77-3700-3980	30	40	DFT-QPSK	L	Outer_Full	NV	30	1.270000	0.000341	PASS
N77-3700-3980	30	40	DFT-QPSK	L	Outer_Full	NV	40	-0.330000	-0.000089	PASS

N77-3700-3980	30	40	DFT-QPSK	L	Outer_Full	NV	50	-2.520000	-0.000677	PASS
N77-3700-3980	30	40	DFT-16QAM	L	Outer_Full	NV	-30	-5.650000	-0.001519	PASS
N77-3700-3980	30	40	DFT-16QAM	L	Outer_Full	NV	-20	-5.150000	-0.001384	PASS
N77-3700-3980	30	40	DFT-16QAM	L	Outer_Full	NV	-10	-0.340000	-0.000091	PASS
N77-3700-3980	30	40	DFT-16QAM	L	Outer_Full	NV	0	0.170000	0.000046	PASS
N77-3700-3980	30	40	DFT-16QAM	L	Outer_Full	NV	10	3.650000	0.000981	PASS
N77-3700-3980	30	40	DFT-16QAM	L	Outer_Full	NV	20	-3.940000	-0.001059	PASS
N77-3700-3980	30	40	DFT-16QAM	L	Outer_Full	NV	30	0.030000	0.000008	PASS
N77-3700-3980	30	40	DFT-16QAM	L	Outer_Full	NV	40	1.970000	0.000530	PASS
N77-3700-3980	30	40	DFT-16QAM	L	Outer_Full	NV	50	-1.960000	-0.000527	PASS
N77-3700-3980	30	40	DFT-QPSK	M	Outer_Full	NV	-30	-5.300000	-0.001380	PASS
N77-3700-3980	30	40	DFT-QPSK	M	Outer_Full	NV	-20	-4.970000	-0.001294	PASS
N77-3700-3980	30	40	DFT-QPSK	M	Outer_Full	NV	-10	-4.380000	-0.001141	PASS
N77-3700-3980	30	40	DFT-QPSK	M	Outer_Full	NV	0	-8.400000	-0.002188	PASS
N77-3700-3980	30	40	DFT-QPSK	M	Outer_Full	NV	10	-6.930000	-0.001805	PASS
N77-3700-3980	30	40	DFT-QPSK	M	Outer_Full	NV	20	-3.830000	-0.000997	PASS
N77-3700-3980	30	40	DFT-QPSK	M	Outer_Full	NV	30	-9.430000	-0.002456	PASS
N77-3700-3980	30	40	DFT-QPSK	M	Outer_Full	NV	40	-6.260000	-0.001630	PASS
N77-3700-3980	30	40	DFT-QPSK	M	Outer_Full	NV	50	-7.510000	-0.001955	PASS
N77-3700-3980	30	40	DFT-16QAM	M	Outer_Full	NV	-30	-2.460000	-0.000641	PASS
N77-3700-3980	30	40	DFT-16QAM	M	Outer_Full	NV	-20	-5.370000	-0.001398	PASS

N77-3700-3980	30	40	DFT-16QAM	M	Outer_Full	NV	-10	-6.660000	-0.001734	PASS
N77-3700-3980	30	40	DFT-16QAM	M	Outer_Full	NV	0	-3.380000	-0.000880	PASS
N77-3700-3980	30	40	DFT-16QAM	M	Outer_Full	NV	10	-4.670000	-0.001216	PASS
N77-3700-3980	30	40	DFT-16QAM	M	Outer_Full	NV	20	-6.800000	-0.001771	PASS
N77-3700-3980	30	40	DFT-16QAM	M	Outer_Full	NV	30	-1.630000	-0.000424	PASS
N77-3700-3980	30	40	DFT-16QAM	M	Outer_Full	NV	40	-5.600000	-0.001458	PASS
N77-3700-3980	30	40	DFT-16QAM	M	Outer_Full	NV	50	-7.590000	-0.001977	PASS
N77-3700-3980	30	40	DFT-QPSK	H	Outer_Full	NV	-30	0.220000	0.000056	PASS
N77-3700-3980	30	40	DFT-QPSK	H	Outer_Full	NV	-20	-3.450000	-0.000871	PASS
N77-3700-3980	30	40	DFT-QPSK	H	Outer_Full	NV	-10	-2.660000	-0.000672	PASS
N77-3700-3980	30	40	DFT-QPSK	H	Outer_Full	NV	0	-5.820000	-0.001470	PASS
N77-3700-3980	30	40	DFT-QPSK	H	Outer_Full	NV	10	-7.740000	-0.001955	PASS
N77-3700-3980	30	40	DFT-QPSK	H	Outer_Full	NV	20	-1.130000	-0.000285	PASS
N77-3700-3980	30	40	DFT-QPSK	H	Outer_Full	NV	30	-5.500000	-0.001389	PASS
N77-3700-3980	30	40	DFT-QPSK	H	Outer_Full	NV	40	-4.650000	-0.001174	PASS
N77-3700-3980	30	40	DFT-QPSK	H	Outer_Full	NV	50	4.650000	0.001174	PASS
N77-3700-3980	30	40	DFT-16QAM	H	Outer_Full	NV	-30	-4.910000	-0.001240	PASS
N77-3700-3980	30	40	DFT-16QAM	H	Outer_Full	NV	-20	1.680000	0.000424	PASS
N77-3700-3980	30	40	DFT-16QAM	H	Outer_Full	NV	-10	-2.160000	-0.000545	PASS
N77-3700-3980	30	40	DFT-16QAM	H	Outer_Full	NV	0	0.450000	0.000114	PASS
N77-3700-3980	30	40	DFT-16QAM	H	Outer_Full	NV	10	-1.820000	-0.000460	PASS

N77-3700-3980	30	40	DFT-16QAM	H	Outer_Full	NV	20	-0.900000	-0.000227	PASS
N77-3700-3980	30	40	DFT-16QAM	H	Outer_Full	NV	30	0.380000	0.000096	PASS
N77-3700-3980	30	40	DFT-16QAM	H	Outer_Full	NV	40	1.050000	0.000265	PASS
N77-3700-3980	30	40	DFT-16QAM	H	Outer_Full	NV	50	-3.970000	-0.001003	PASS
N77-3700-3980	30	60	DFT-QPSK	L	Outer_Full	NV	-30	1.950000	0.000523	PASS
N77-3700-3980	30	60	DFT-QPSK	L	Outer_Full	NV	-20	3.690000	0.000989	PASS
N77-3700-3980	30	60	DFT-QPSK	L	Outer_Full	NV	-10	0.140000	0.000038	PASS
N77-3700-3980	30	60	DFT-QPSK	L	Outer_Full	NV	0	1.590000	0.000426	PASS
N77-3700-3980	30	60	DFT-QPSK	L	Outer_Full	NV	10	4.450000	0.001193	PASS
N77-3700-3980	30	60	DFT-QPSK	L	Outer_Full	NV	20	1.620000	0.000434	PASS
N77-3700-3980	30	60	DFT-QPSK	L	Outer_Full	NV	30	-4.400000	-0.001180	PASS
N77-3700-3980	30	60	DFT-QPSK	L	Outer_Full	NV	40	1.670000	0.000448	PASS
N77-3700-3980	30	60	DFT-QPSK	L	Outer_Full	NV	50	-0.680000	-0.000182	PASS
N77-3700-3980	30	60	DFT-16QAM	L	Outer_Full	NV	-30	1.720000	0.000461	PASS
N77-3700-3980	30	60	DFT-16QAM	L	Outer_Full	NV	-20	0.300000	0.000080	PASS
N77-3700-3980	30	60	DFT-16QAM	L	Outer_Full	NV	-10	-0.400000	-0.000107	PASS
N77-3700-3980	30	60	DFT-16QAM	L	Outer_Full	NV	0	-3.870000	-0.001038	PASS
N77-3700-3980	30	60	DFT-16QAM	L	Outer_Full	NV	10	-2.950000	-0.000791	PASS
N77-3700-3980	30	60	DFT-16QAM	L	Outer_Full	NV	20	-2.290000	-0.000614	PASS
N77-3700-3980	30	60	DFT-16QAM	L	Outer_Full	NV	30	-1.060000	-0.000284	PASS
N77-3700-3980	30	60	DFT-16QAM	L	Outer_Full	NV	40	2.230000	0.000598	PASS

N77-3700-3980	30	60	DFT-16QAM	L	Outer_Full	NV	50	-1.810000	-0.000485	PASS
N77-3700-3980	30	60	DFT-QPSK	M	Outer_Full	NV	-30	-2.089999	-0.000544	PASS
N77-3700-3980	30	60	DFT-QPSK	M	Outer_Full	NV	-20	-5.050000	-0.001315	PASS
N77-3700-3980	30	60	DFT-QPSK	M	Outer_Full	NV	-10	-5.620000	-0.001464	PASS
N77-3700-3980	30	60	DFT-QPSK	M	Outer_Full	NV	0	-6.200000	-0.001615	PASS
N77-3700-3980	30	60	DFT-QPSK	M	Outer_Full	NV	10	-3.720000	-0.000969	PASS
N77-3700-3980	30	60	DFT-QPSK	M	Outer_Full	NV	20	-0.630000	-0.000164	PASS
N77-3700-3980	30	60	DFT-QPSK	M	Outer_Full	NV	30	-8.460000	-0.002203	PASS
N77-3700-3980	30	60	DFT-QPSK	M	Outer_Full	NV	40	-1.360000	-0.000354	PASS
N77-3700-3980	30	60	DFT-QPSK	M	Outer_Full	NV	50	0.000000	0.000000	PASS
N77-3700-3980	30	60	DFT-16QAM	M	Outer_Full	NV	-30	-5.900000	-0.001536	PASS
N77-3700-3980	30	60	DFT-16QAM	M	Outer_Full	NV	-20	-3.090000	-0.000805	PASS
N77-3700-3980	30	60	DFT-16QAM	M	Outer_Full	NV	-10	-6.730000	-0.001753	PASS
N77-3700-3980	30	60	DFT-16QAM	M	Outer_Full	NV	0	-4.740000	-0.001234	PASS
N77-3700-3980	30	60	DFT-16QAM	M	Outer_Full	NV	10	-4.170000	-0.001086	PASS
N77-3700-3980	30	60	DFT-16QAM	M	Outer_Full	NV	20	-5.280000	-0.001375	PASS
N77-3700-3980	30	60	DFT-16QAM	M	Outer_Full	NV	30	-5.610000	-0.001461	PASS
N77-3700-3980	30	60	DFT-16QAM	M	Outer_Full	NV	40	-7.770000	-0.002023	PASS
N77-3700-3980	30	60	DFT-16QAM	M	Outer_Full	NV	50	-5.270000	-0.001372	PASS
N77-3700-3980	30	60	DFT-QPSK	H	Outer_Full	NV	-30	-3.860000	-0.000977	PASS
N77-3700-3980	30	60	DFT-QPSK	H	Outer_Full	NV	-20	-1.870000	-0.000473	PASS

N77-3700-3980	30	60	DFT-QPSK	H	Outer_Full	NV	-10	-1.550000	-0.000392	PASS
N77-3700-3980	30	60	DFT-QPSK	H	Outer_Full	NV	0	-4.430000	-0.001122	PASS
N77-3700-3980	30	60	DFT-QPSK	H	Outer_Full	NV	10	2.330000	0.000590	PASS
N77-3700-3980	30	60	DFT-QPSK	H	Outer_Full	NV	20	-2.770000	-0.000701	PASS
N77-3700-3980	30	60	DFT-QPSK	H	Outer_Full	NV	30	-4.019999	-0.001018	PASS
N77-3700-3980	30	60	DFT-QPSK	H	Outer_Full	NV	40	-1.210000	-0.000306	PASS
N77-3700-3980	30	60	DFT-QPSK	H	Outer_Full	NV	50	-4.860000	-0.001230	PASS
N77-3700-3980	30	60	DFT-16QAM	H	Outer_Full	NV	-30	-0.730000	-0.000185	PASS
N77-3700-3980	30	60	DFT-16QAM	H	Outer_Full	NV	-20	-1.570000	-0.000397	PASS
N77-3700-3980	30	60	DFT-16QAM	H	Outer_Full	NV	-10	-2.290000	-0.000580	PASS
N77-3700-3980	30	60	DFT-16QAM	H	Outer_Full	NV	0	-7.480000	-0.001894	PASS
N77-3700-3980	30	60	DFT-16QAM	H	Outer_Full	NV	10	-4.550000	-0.001152	PASS
N77-3700-3980	30	60	DFT-16QAM	H	Outer_Full	NV	20	-4.850000	-0.001228	PASS
N77-3700-3980	30	60	DFT-16QAM	H	Outer_Full	NV	30	-6.290000	-0.001592	PASS
N77-3700-3980	30	60	DFT-16QAM	H	Outer_Full	NV	40	-0.740000	-0.000187	PASS
N77-3700-3980	30	60	DFT-16QAM	H	Outer_Full	NV	50	-2.710000	-0.000686	PASS
N77-3700-3980	30	80	DFT-QPSK	L	Outer_Full	NV	-30	2.860000	0.000765	PASS
N77-3700-3980	30	80	DFT-QPSK	L	Outer_Full	NV	-20	1.810000	0.000484	PASS
N77-3700-3980	30	80	DFT-QPSK	L	Outer_Full	NV	-10	1.370000	0.000366	PASS
N77-3700-3980	30	80	DFT-QPSK	L	Outer_Full	NV	0	1.850000	0.000495	PASS
N77-3700-3980	30	80	DFT-QPSK	L	Outer_Full	NV	10	-3.310000	-0.000885	PASS