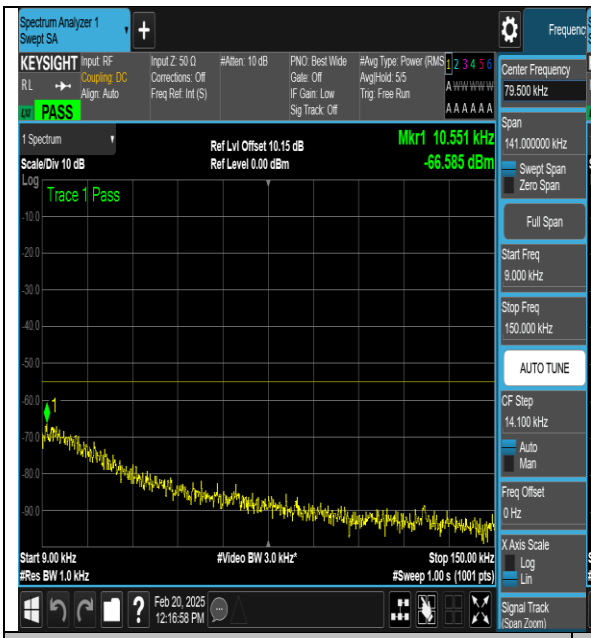
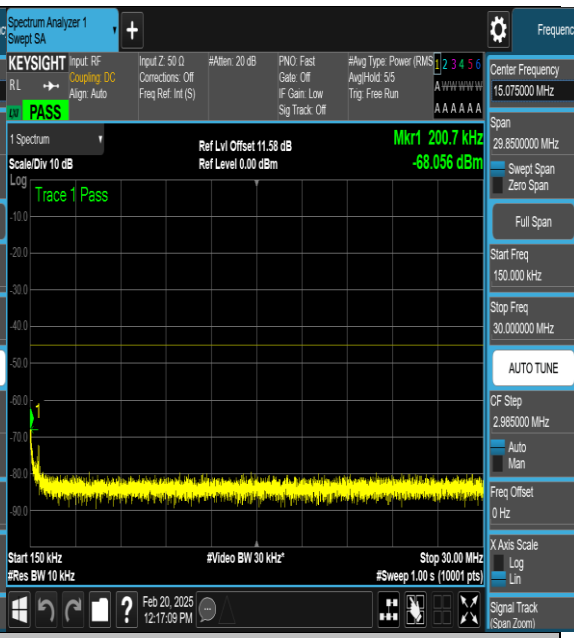


NTNV-N38-PC3-30-40-L-DFT-QPSK-Outer_Full-0.009-0.15-Ant1-PASS



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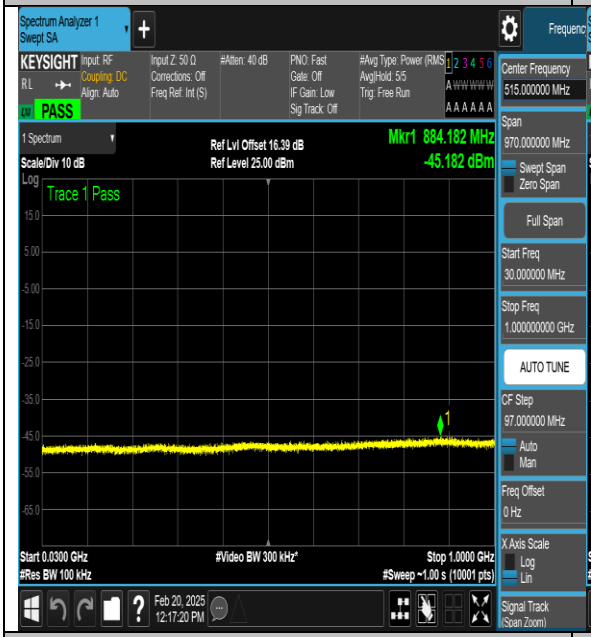

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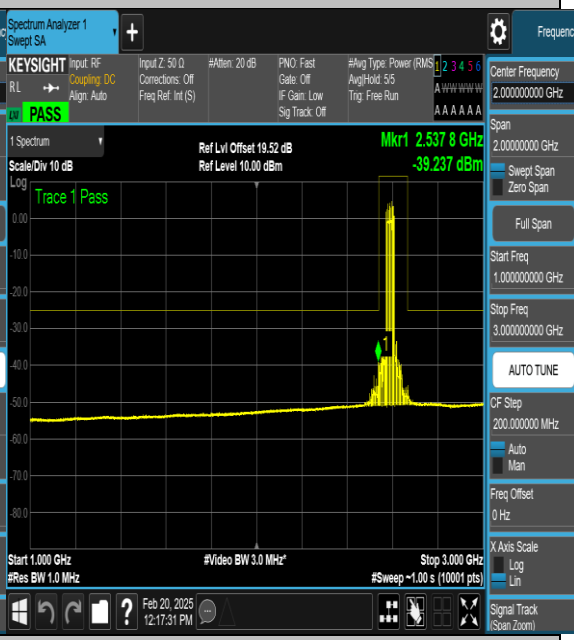

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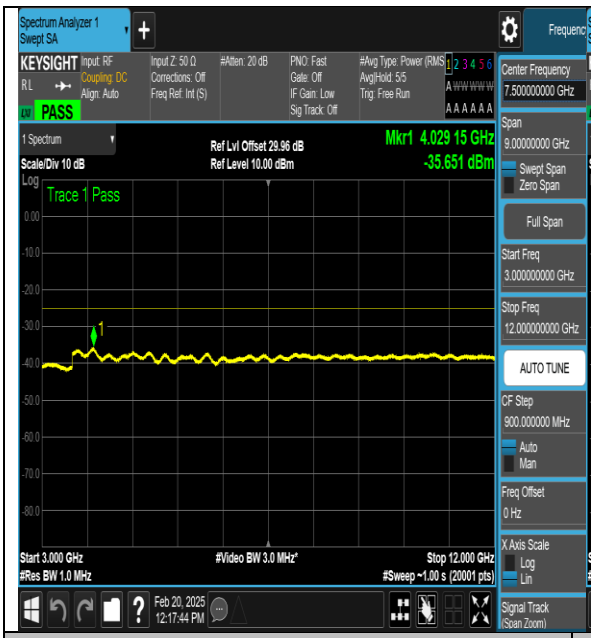

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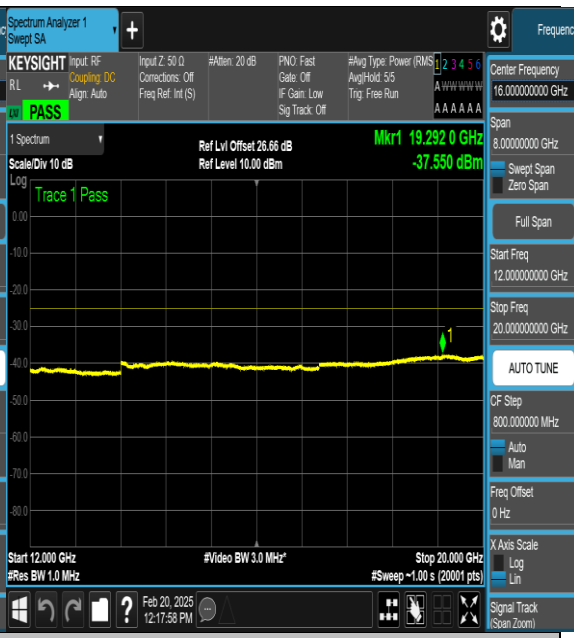

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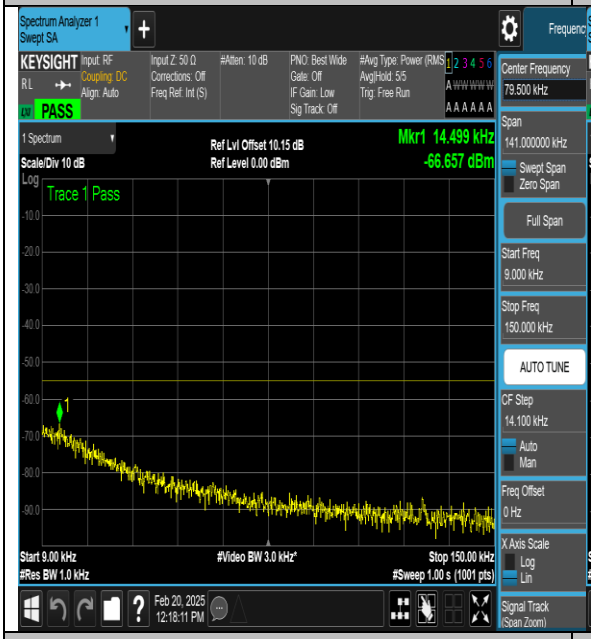

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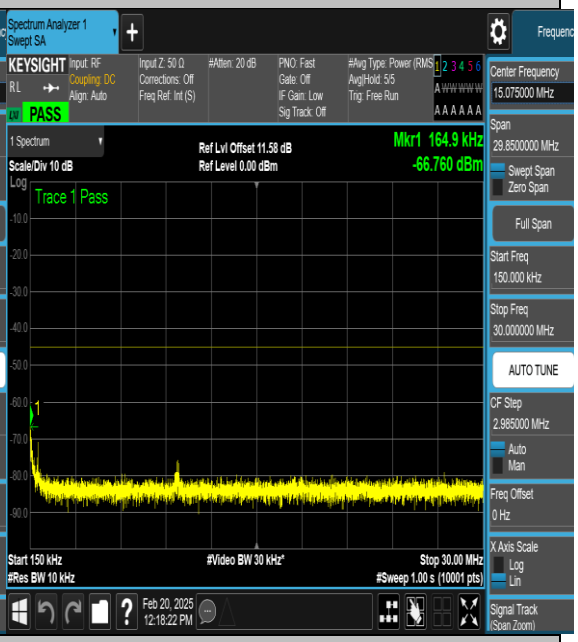

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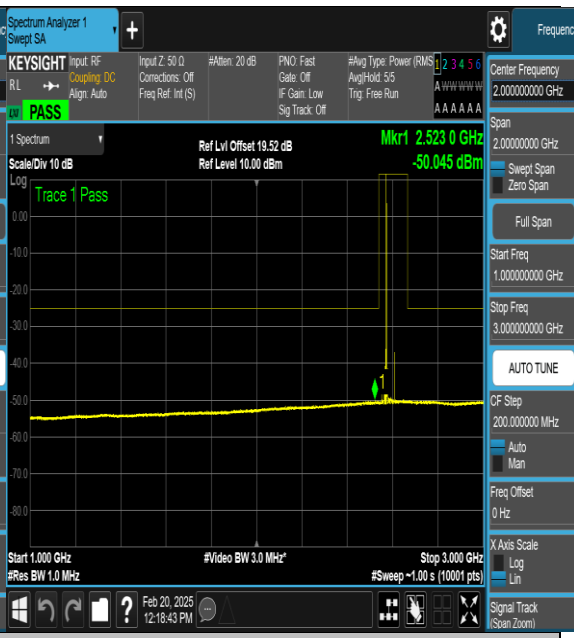

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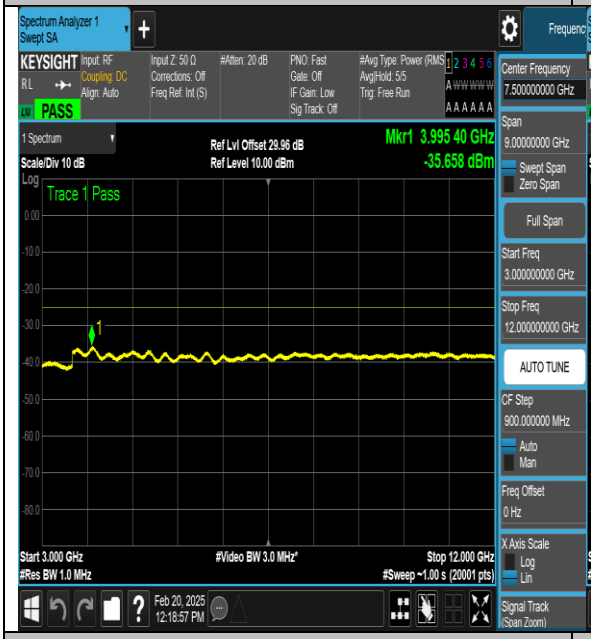

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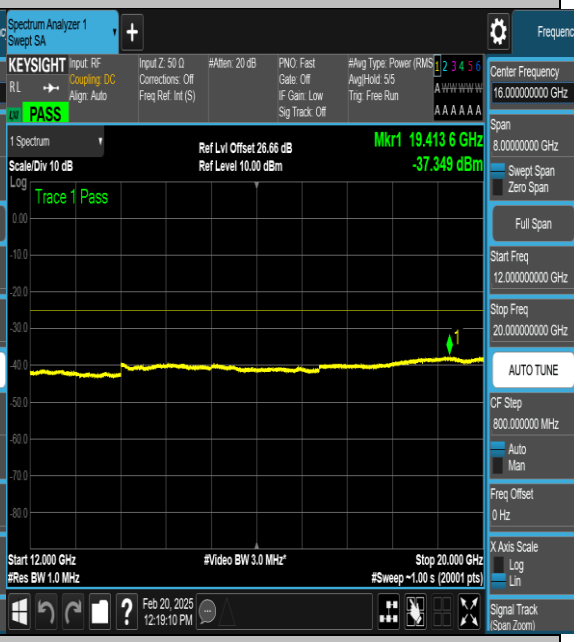

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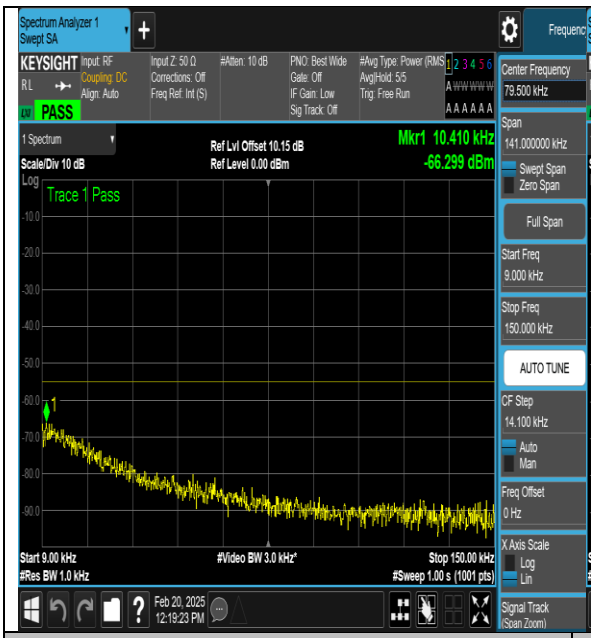

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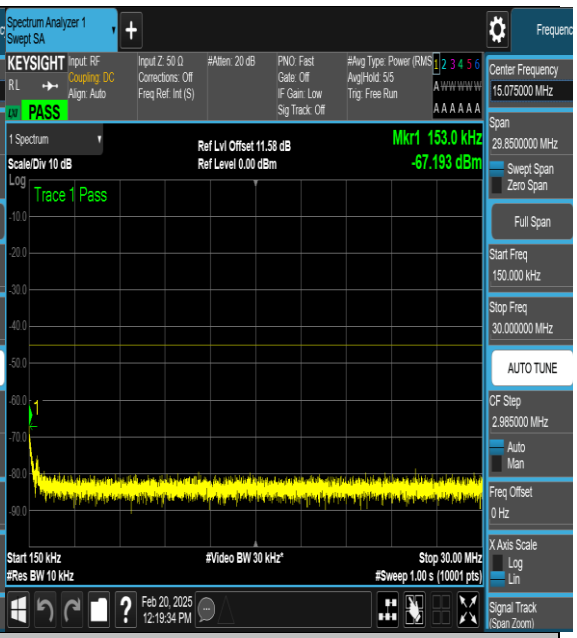

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NTNV-N38-PC3-30-40-L-DFT-QPSK-Edge_1RB_ Right-30-1000-Ant1-PASS

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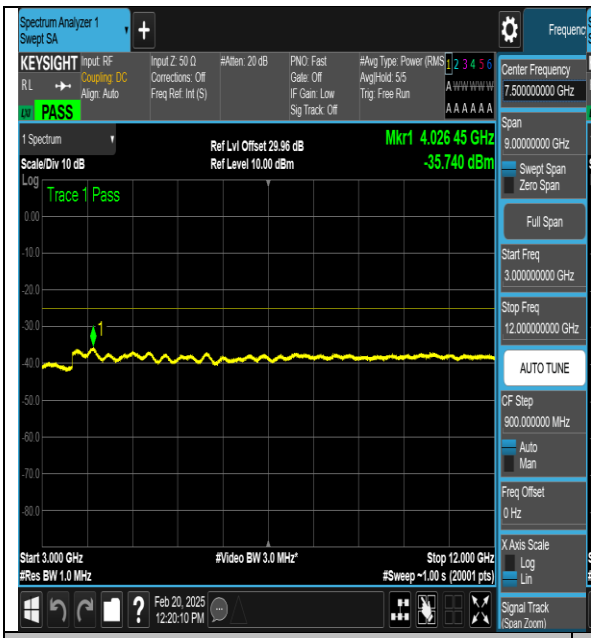

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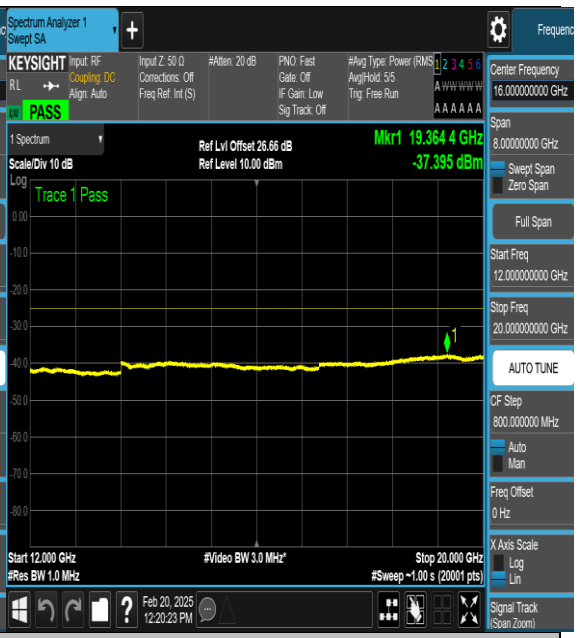

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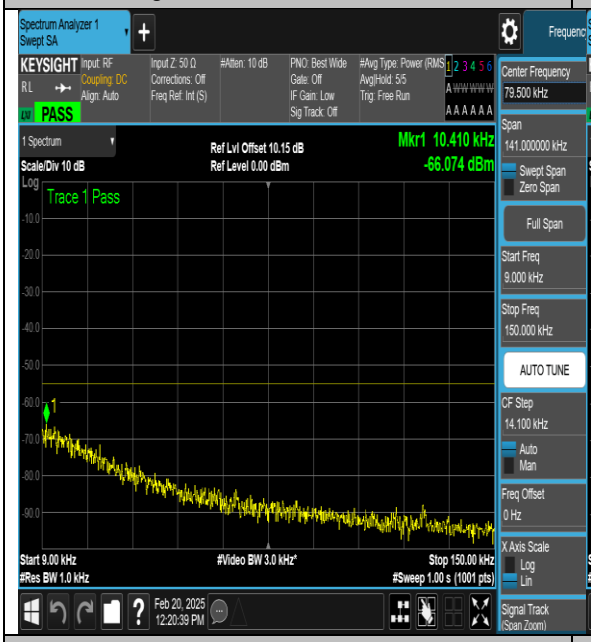

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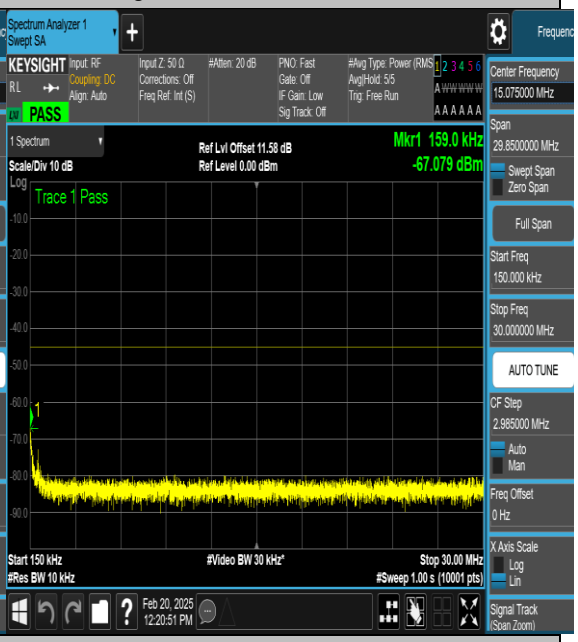

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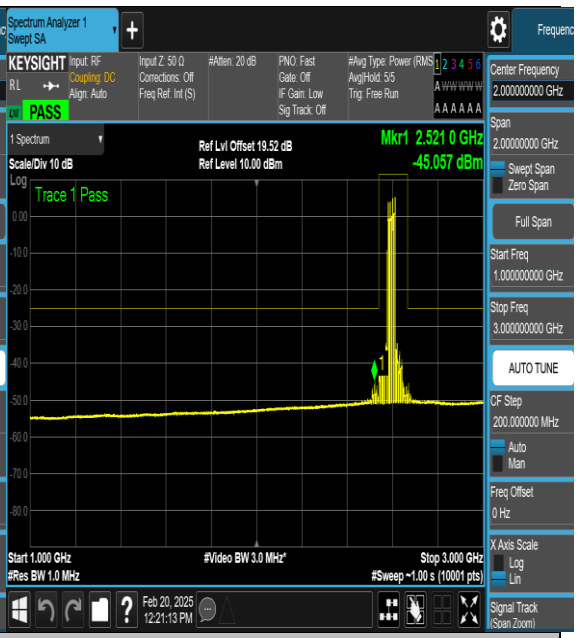

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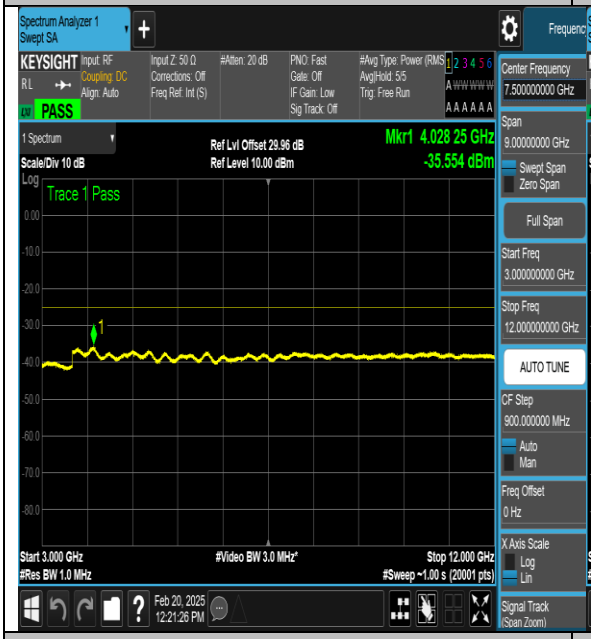

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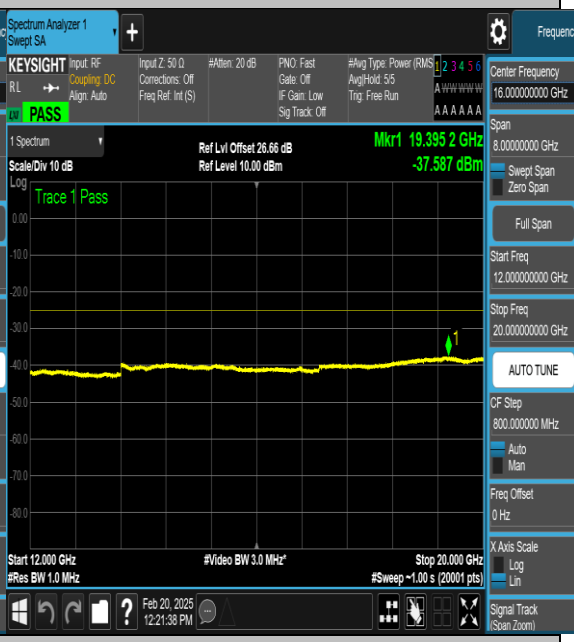

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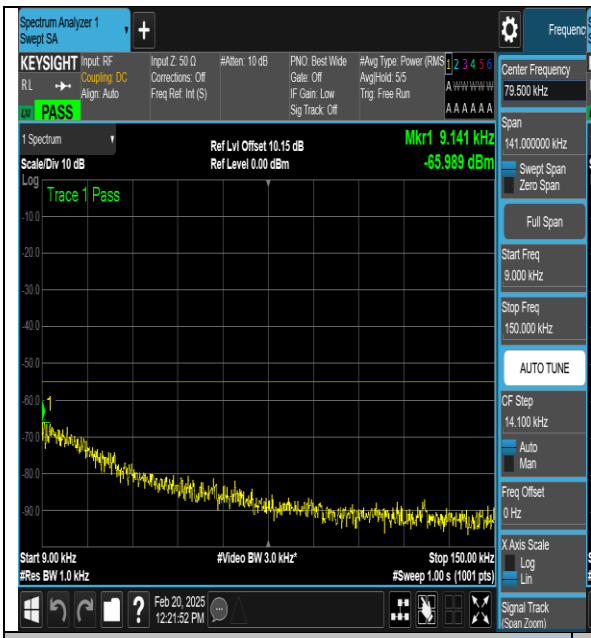

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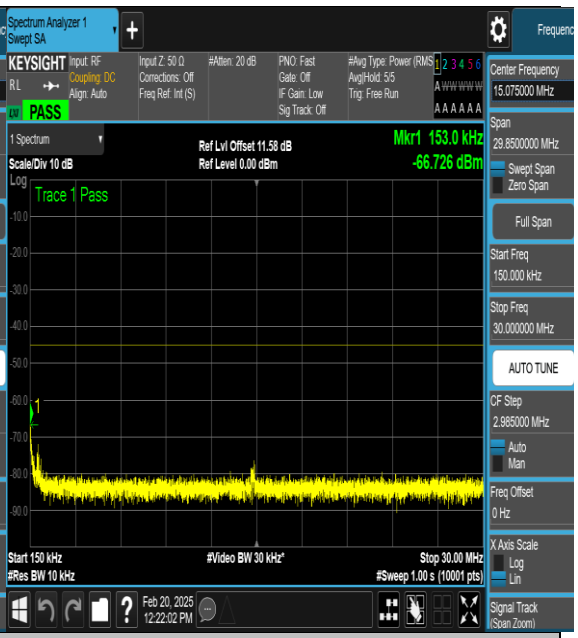

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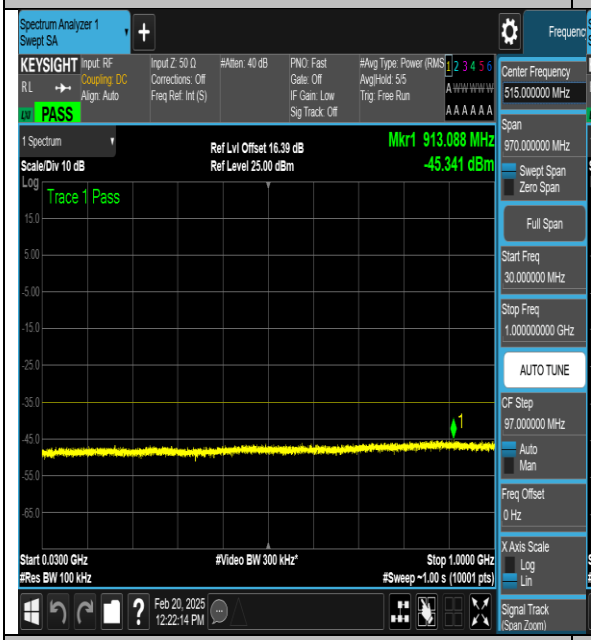

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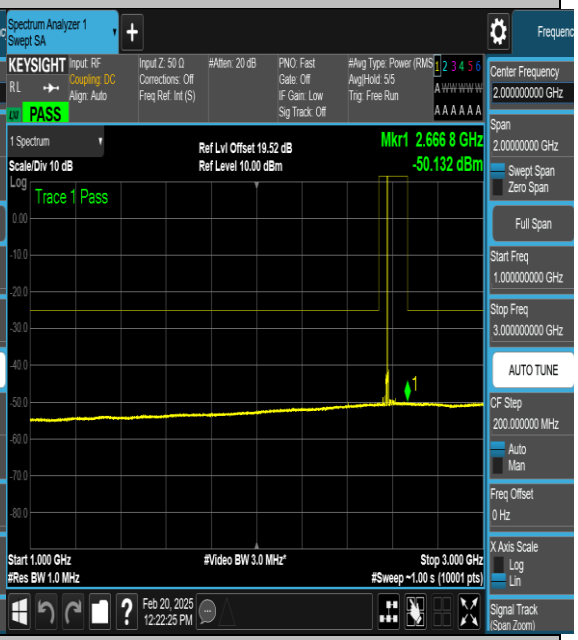

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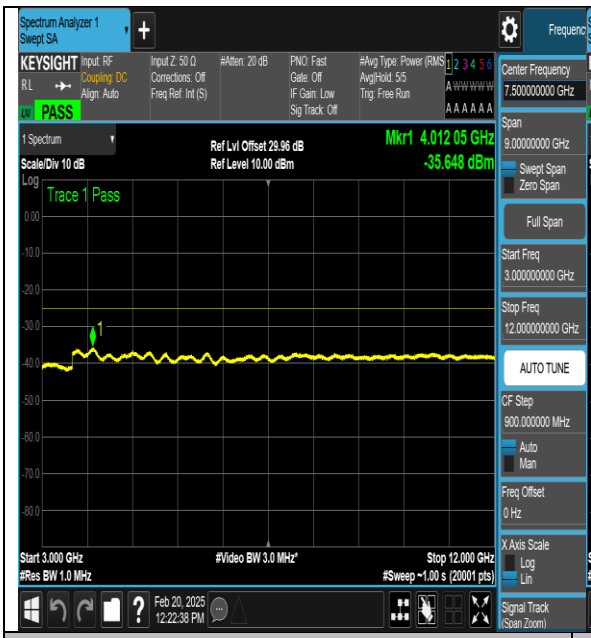

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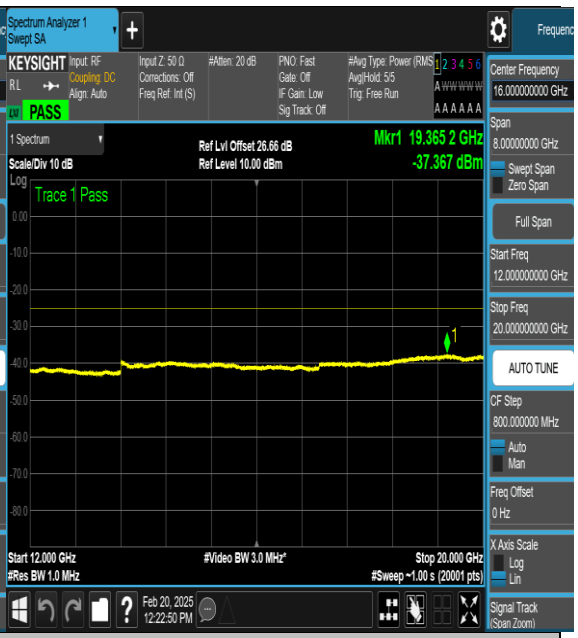

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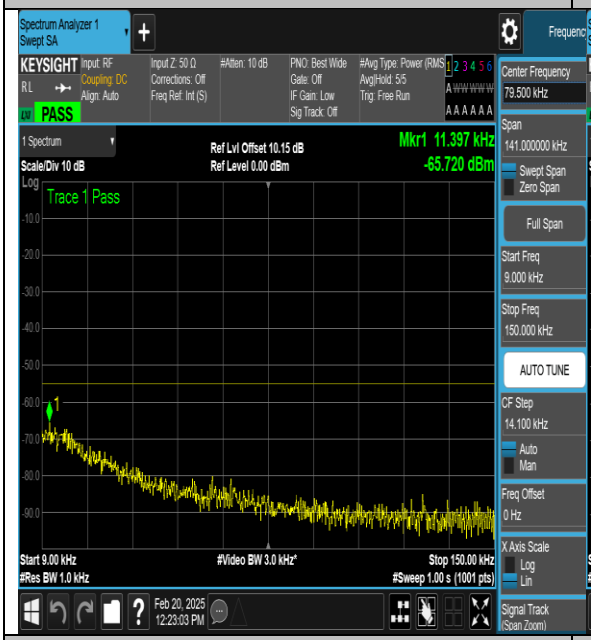
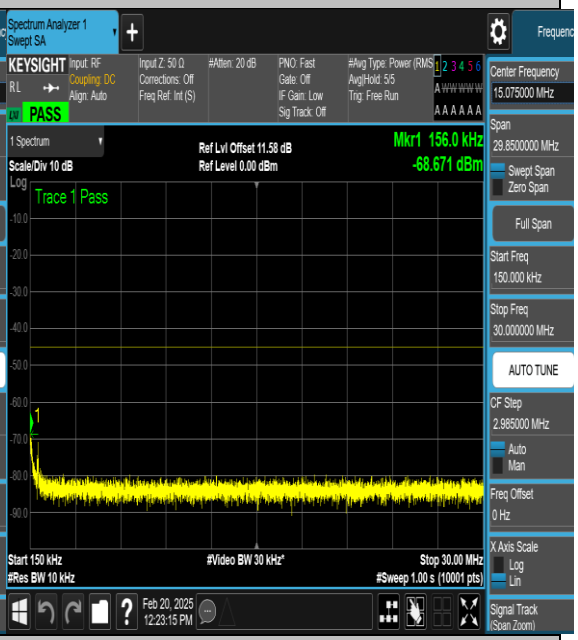


NTNV-N38-PC3-30-40-M-DFT-QPSK-Edge_1RB_ Right-0.009-0.15-Ant1-PASS



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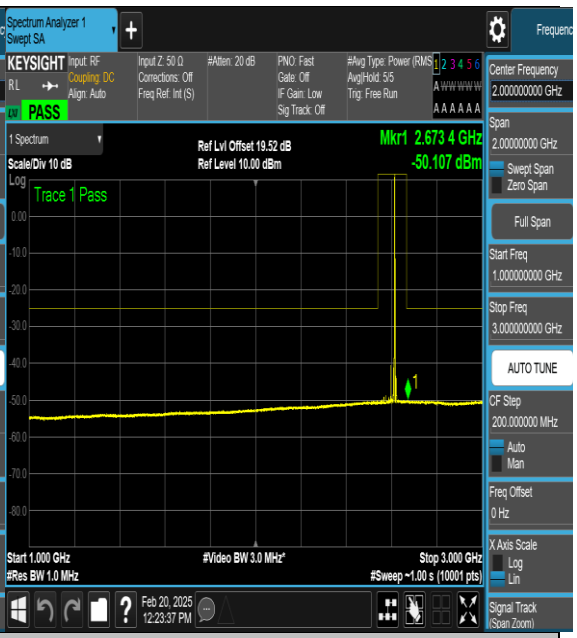
NTNV-N38-PC3-30-40-M-DFT-QPSK-Edge_1RB_ Right-30-1000-Ant1-PASS



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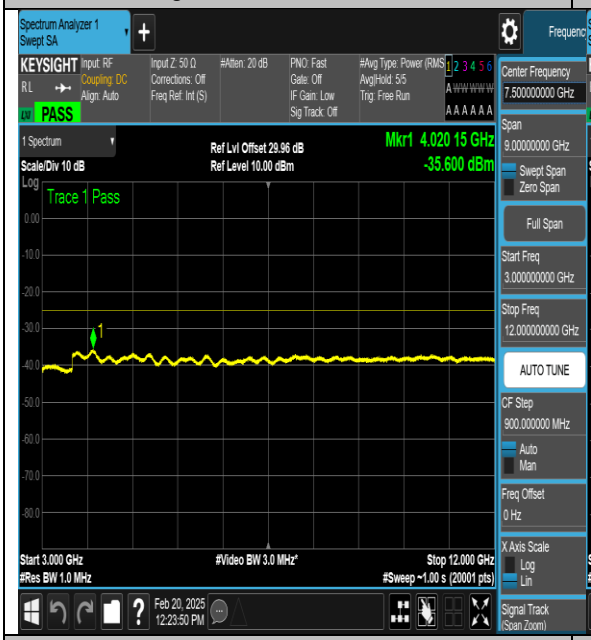

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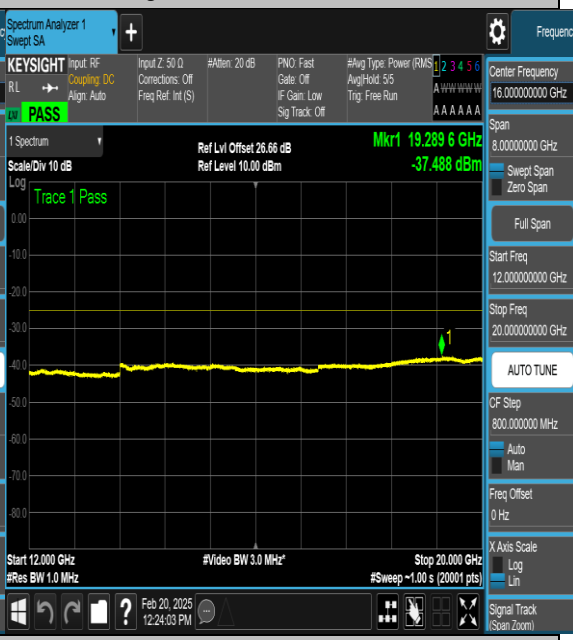

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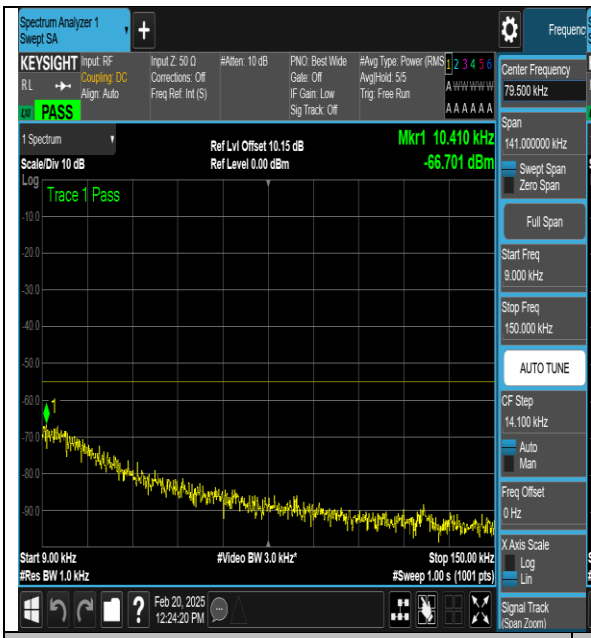

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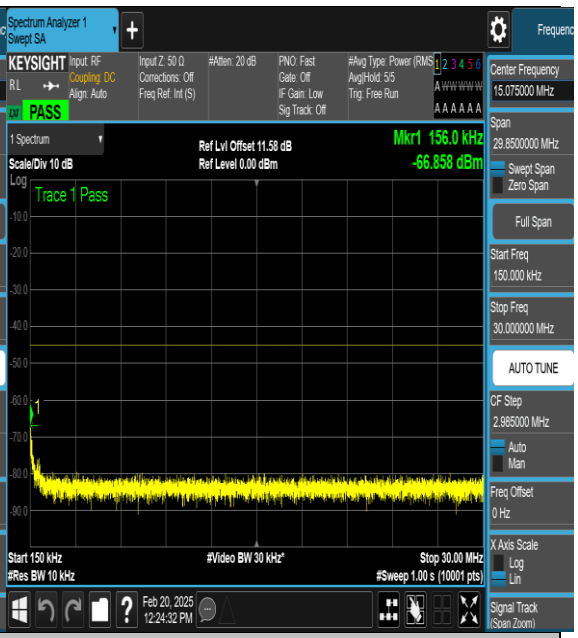

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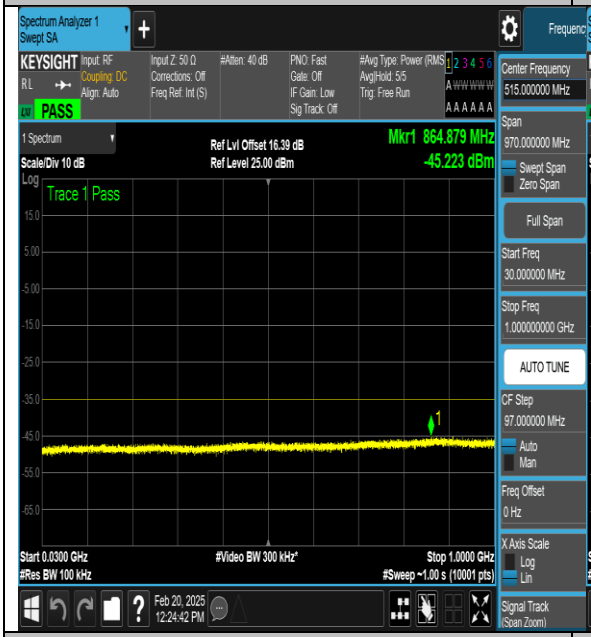

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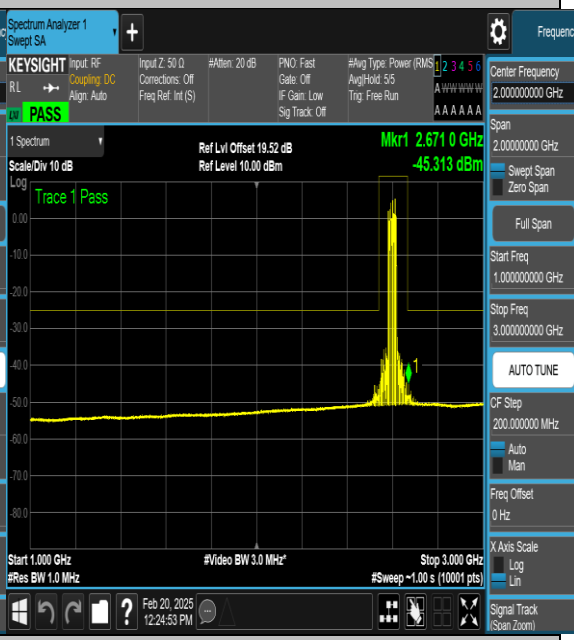

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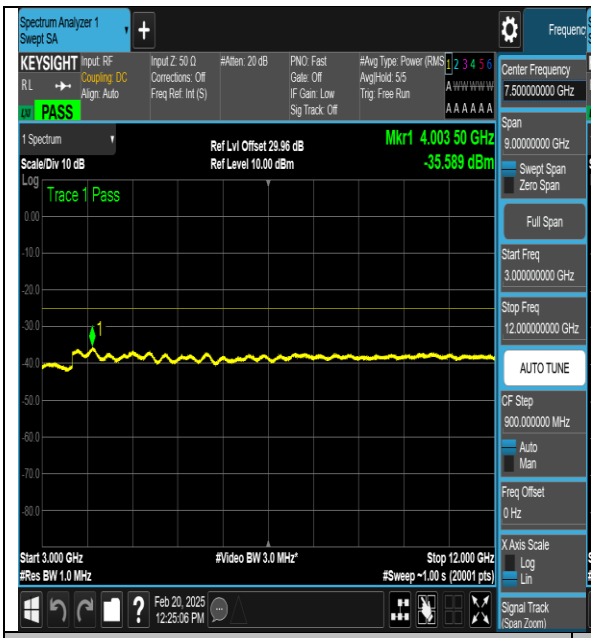

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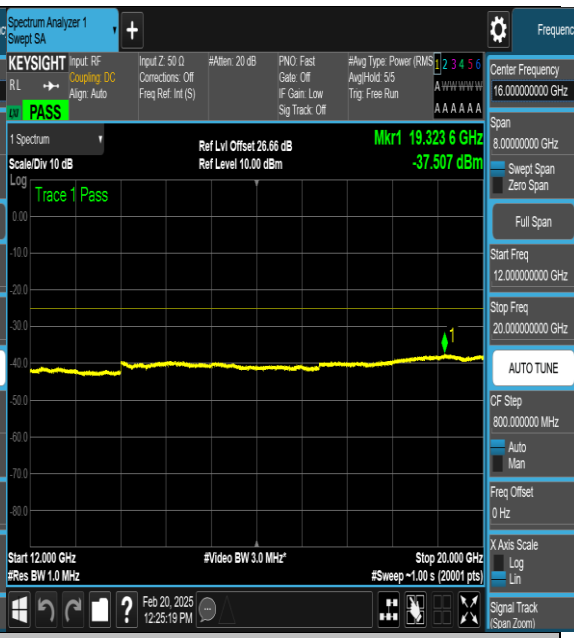

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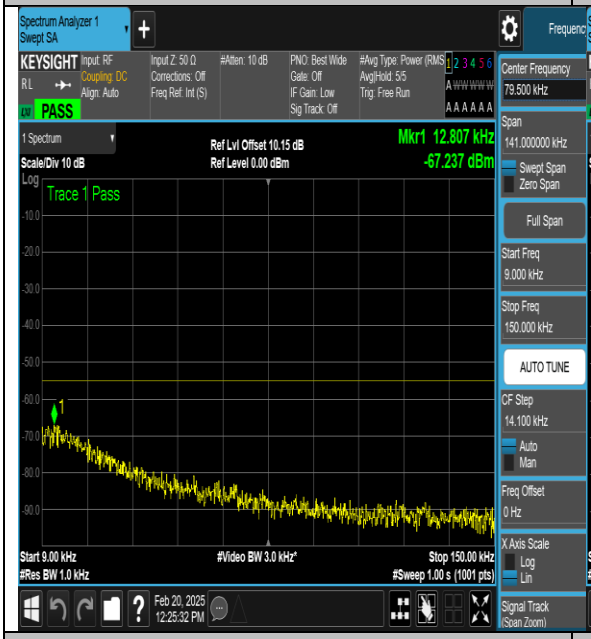

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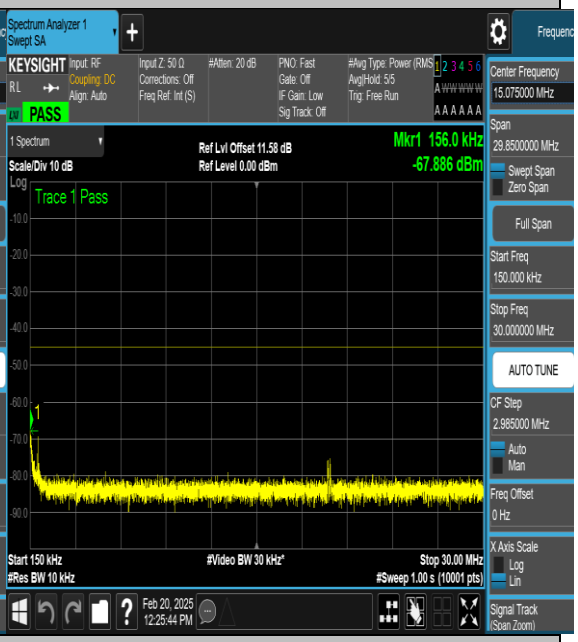

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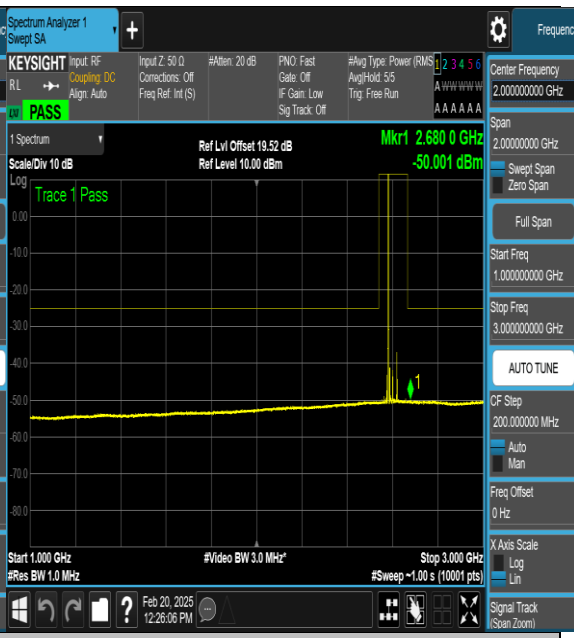
NTNV-N38-PC3-30-40-H-DFT-QPSK-Edge_1RB_ Left-30-1000-Ant1-PASS



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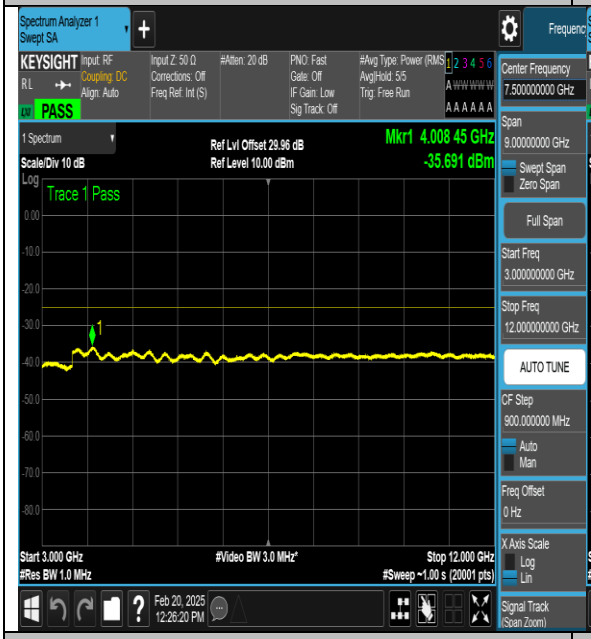

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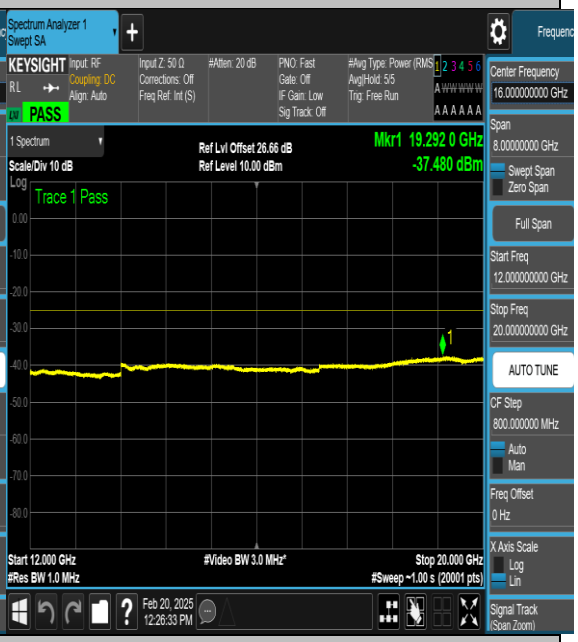

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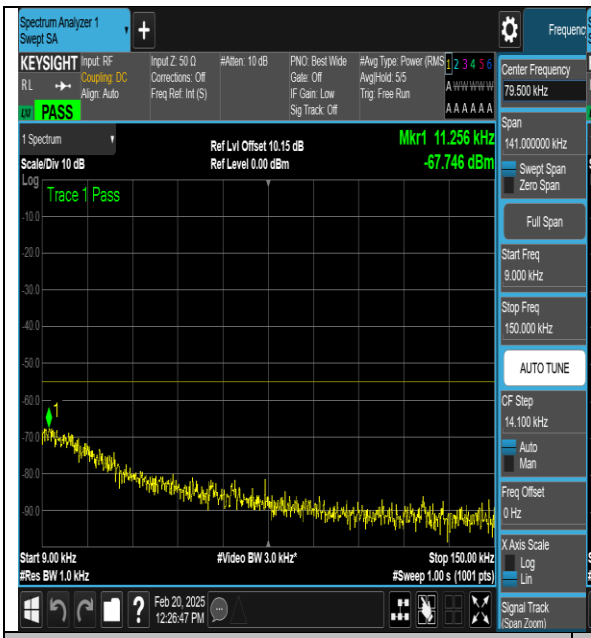

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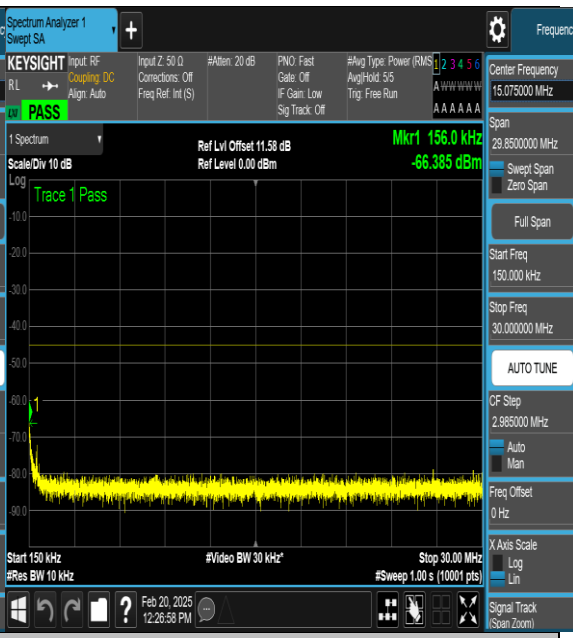
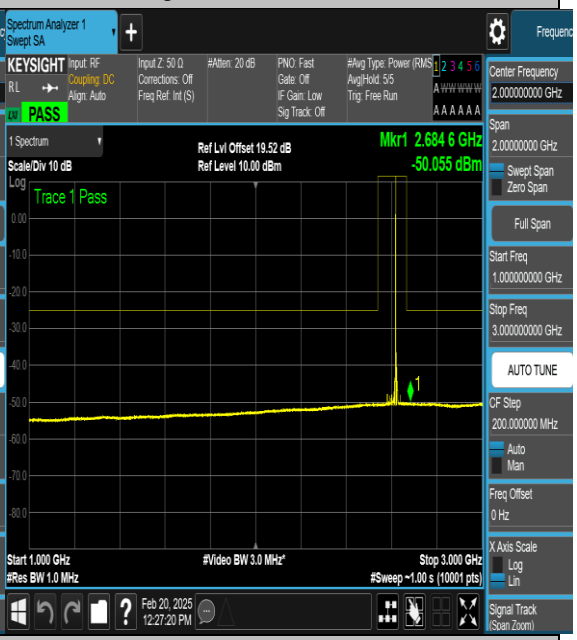
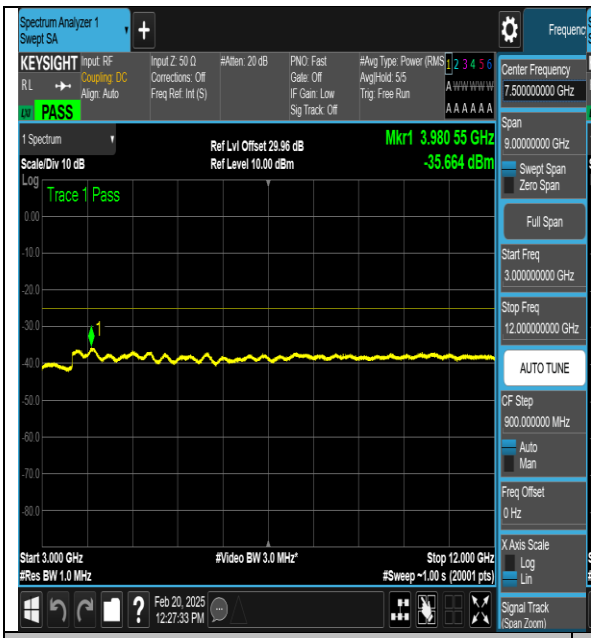


NTNV-N38-PC3-30-40-H-DFT-QPSK-Edge_1RB_ Right-0.15-30-Ant1-PASS

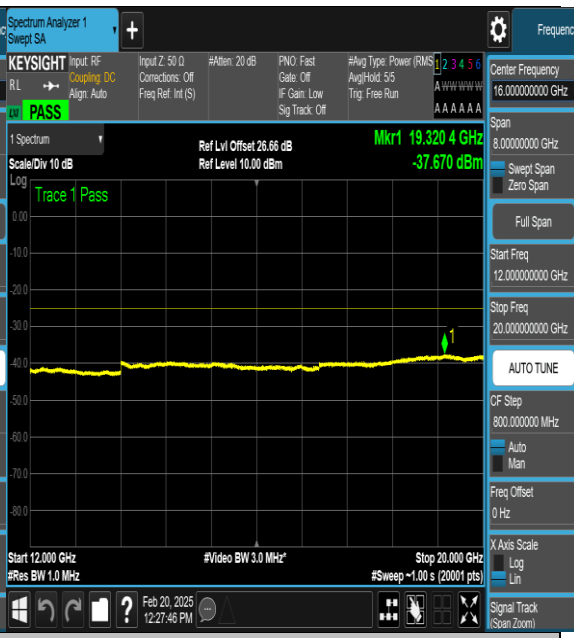
NTNV-N38-PC3-30-40-H-DFT-QPSK-Edge_1RB_ Right-30-1000-Ant1-PASS



NTNV-N38-PC3-30-40-H-DFT-QPSK-Edge_1RB_ Right-1000-3000-Ant1-PASS



NTNV-N38-PC3-30-40-H-DFT-QPSK-Edge_1RB_Right-3000-12000-Ant1-PASS



NTNV-N38-PC3-30-40-H-DFT-QPSK-Edge_1RB_Right-12000-20000-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
N38	30	10	DFT-QPSK	L	Outer_Full	VL	NT	-0.810000	-0.000315	PASS
N38	30	10	DFT-QPSK	L	Outer_Full	VN	NT	4.380000	0.001701	PASS
N38	30	10	DFT-QPSK	L	Outer_Full	VH	NT	3.580000	0.001390	PASS
N38	30	10	DFT-16QAM	L	Outer_Full	VL	NT	-0.120000	-0.000047	PASS
N38	30	10	DFT-16QAM	L	Outer_Full	VN	NT	0.060000	0.000023	PASS
N38	30	10	DFT-16QAM	L	Outer_Full	VH	NT	0.510000	0.000198	PASS
N38	30	10	DFT-QPSK	M	Outer_Full	VL	NT	-1.580000	-0.000609	PASS
N38	30	10	DFT-QPSK	M	Outer_Full	VN	NT	-0.160000	-0.000062	PASS
N38	30	10	DFT-QPSK	M	Outer_Full	VH	NT	0.440000	0.000170	PASS
N38	30	10	DFT-16QAM	M	Outer_Full	VL	NT	2.110000	0.000813	PASS
N38	30	10	DFT-16QAM	M	Outer_Full	VN	NT	5.630000	0.002170	PASS
N38	30	10	DFT-16QAM	M	Outer_Full	VH	NT	-2.720000	-0.001048	PASS
N38	30	10	DFT-QPSK	H	Outer_Full	VL	NT	0.390000	0.000149	PASS
N38	30	10	DFT-QPSK	H	Outer_Full	VN	NT	-5.650000	-0.002161	PASS
N38	30	10	DFT-QPSK	H	Outer_Full	VH	NT	-4.010000	-0.001533	PASS
N38	30	10	DFT-16QAM	H	Outer_Full	VL	NT	-3.890000	-0.001488	PASS
N38	30	10	DFT-16QAM	H	Outer_Full	VN	NT	-5.050000	-0.001931	PASS
N38	30	10	DFT-16QAM	H	Outer_Full	VH	NT	-1.930000	-0.000738	PASS
N38	30	15	DFT-QPSK	L	Outer_Full	VL	NT	-2.320000	-0.000900	PASS
N38	30	15	DFT-QPSK	L	Outer_Full	VN	NT	-1.790000	-0.000694	PASS
N38	30	15	DFT-QPSK	L	Outer_Full	VH	NT	-1.320000	-0.000512	PASS
N38	30	15	DFT-16QAM	L	Outer_Full	VL	NT	-0.090000	-0.000035	PASS
N38	30	15	DFT-16QAM	L	Outer_Full	VN	NT	0.000000	0.000000	PASS
N38	30	15	DFT-16QAM	L	Outer_Full	VH	NT	-3.220000	-0.001249	PASS
N38	30	15	DFT-QPSK	M	Outer_Full	VL	NT	-0.550000	-0.000212	PASS
N38	30	15	DFT-QPSK	M	Outer_Full	VN	NT	-3.030000	-0.001168	PASS
N38	30	15	DFT-QPSK	M	Outer_Full	VH	NT	1.420000	0.000547	PASS
N38	30	15	DFT-16QAM	M	Outer_Full	VL	NT	-1.430000	-0.000551	PASS
N38	30	15	DFT-16QAM	M	Outer_Full	VN	NT	-0.190000	-0.000073	PASS
N38	30	15	DFT-16QAM	M	Outer_Full	VH	NT	-2.500000	-0.000963	PASS
N38	30	15	DFT-QPSK	H	Outer_Full	VL	NT	2.440000	0.000934	PASS
N38	30	15	DFT-QPSK	H	Outer_Full	VN	NT	1.310000	0.000501	PASS

N38	30	15	DFT-QPSK	H	Outer_Full	VH	NT	1.510000	0.000578	PASS
N38	30	15	DFT-16QAM	H	Outer_Full	VL	NT	0.340000	0.000130	PASS
N38	30	15	DFT-16QAM	H	Outer_Full	VN	NT	3.570000	0.001367	PASS
N38	30	15	DFT-16QAM	H	Outer_Full	VH	NT	2.120000	0.000811	PASS
N38	30	20	DFT-QPSK	L	Outer_Full	VL	NT	1.430000	0.000554	PASS
N38	30	20	DFT-QPSK	L	Outer_Full	VN	NT	-0.790000	-0.000306	PASS
N38	30	20	DFT-QPSK	L	Outer_Full	VH	NT	-4.210000	-0.001632	PASS
N38	30	20	DFT-16QAM	L	Outer_Full	VL	NT	1.700000	0.000659	PASS
N38	30	20	DFT-16QAM	L	Outer_Full	VN	NT	1.260000	0.000488	PASS
N38	30	20	DFT-16QAM	L	Outer_Full	VH	NT	0.490000	0.000190	PASS
N38	30	20	DFT-QPSK	M	Outer_Full	VL	NT	0.040000	0.000015	PASS
N38	30	20	DFT-QPSK	M	Outer_Full	VN	NT	3.320000	0.001279	PASS
N38	30	20	DFT-QPSK	M	Outer_Full	VH	NT	0.270000	0.000104	PASS
N38	30	20	DFT-16QAM	M	Outer_Full	VL	NT	0.100000	0.000039	PASS
N38	30	20	DFT-16QAM	M	Outer_Full	VN	NT	-2.770000	-0.001067	PASS
N38	30	20	DFT-16QAM	M	Outer_Full	VH	NT	-7.820000	-0.003013	PASS
N38	30	20	DFT-QPSK	H	Outer_Full	VL	NT	0.200000	0.000077	PASS
N38	30	20	DFT-QPSK	H	Outer_Full	VN	NT	-3.050000	-0.001169	PASS
N38	30	20	DFT-QPSK	H	Outer_Full	VH	NT	0.580000	0.000222	PASS
N38	30	20	DFT-16QAM	H	Outer_Full	VL	NT	-1.110000	-0.000425	PASS
N38	30	20	DFT-16QAM	H	Outer_Full	VN	NT	1.230000	0.000471	PASS
N38	30	20	DFT-16QAM	H	Outer_Full	VH	NT	1.270000	0.000487	PASS
N38	30	30	DFT-QPSK	L	Outer_Full	VL	NT	-6.560000	-0.002538	PASS
N38	30	30	DFT-QPSK	L	Outer_Full	VN	NT	-4.890000	-0.001892	PASS
N38	30	30	DFT-QPSK	L	Outer_Full	VH	NT	-6.020000	-0.002329	PASS
N38	30	30	DFT-16QAM	L	Outer_Full	VL	NT	-5.960000	-0.002306	PASS
N38	30	30	DFT-16QAM	L	Outer_Full	VN	NT	-7.110000	-0.002750	PASS
N38	30	30	DFT-16QAM	L	Outer_Full	VH	NT	-7.310000	-0.002828	PASS
N38	30	30	DFT-QPSK	M	Outer_Full	VL	NT	3.540000	0.001364	PASS
N38	30	30	DFT-QPSK	M	Outer_Full	VN	NT	-5.450000	-0.002100	PASS
N38	30	30	DFT-QPSK	M	Outer_Full	VH	NT	-5.210000	-0.002007	PASS
N38	30	30	DFT-16QAM	M	Outer_Full	VL	NT	-2.360000	-0.000909	PASS
N38	30	30	DFT-16QAM	M	Outer_Full	VN	NT	-9.600000	-0.003699	PASS
N38	30	30	DFT-16QAM	M	Outer_Full	VH	NT	-0.210000	-0.000081	PASS
N38	30	30	DFT-QPSK	H	Outer_Full	VL	NT	-1.680000	-0.000645	PASS
N38	30	30	DFT-QPSK	H	Outer_Full	VN	NT	1.110000	0.000426	PASS
N38	30	30	DFT-QPSK	H	Outer_Full	VH	NT	2.740000	0.001052	PASS
N38	30	30	DFT-16QAM	H	Outer_Full	VL	NT	-0.900000	-0.000345	PASS
N38	30	30	DFT-16QAM	H	Outer_Full	VN	NT	3.670000	0.001409	PASS
N38	30	30	DFT-16QAM	H	Outer_Full	VH	NT	3.620000	0.001390	PASS

N38	30	40	DFT-QPSK	L	Outer_Full	VL	NT	0.440000	0.000170	PASS
N38	30	40	DFT-QPSK	L	Outer_Full	VN	NT	5.780000	0.002232	PASS
N38	30	40	DFT-QPSK	L	Outer_Full	VH	NT	7.900000	0.003050	PASS
N38	30	40	DFT-16QAM	L	Outer_Full	VL	NT	4.500000	0.001737	PASS
N38	30	40	DFT-16QAM	L	Outer_Full	VN	NT	8.450000	0.003263	PASS
N38	30	40	DFT-16QAM	L	Outer_Full	VH	NT	3.780000	0.001459	PASS
N38	30	40	DFT-QPSK	M	Outer_Full	VL	NT	-2.960000	-0.001141	PASS
N38	30	40	DFT-QPSK	M	Outer_Full	VN	NT	-1.420000	-0.000547	PASS
N38	30	40	DFT-QPSK	M	Outer_Full	VH	NT	1.560000	0.000601	PASS
N38	30	40	DFT-16QAM	M	Outer_Full	VL	NT	-3.900000	-0.001503	PASS
N38	30	40	DFT-16QAM	M	Outer_Full	VN	NT	2.029999	0.000782	PASS
N38	30	40	DFT-16QAM	M	Outer_Full	VH	NT	-6.760000	-0.002605	PASS
N38	30	40	DFT-QPSK	H	Outer_Full	VL	NT	-11.700000	-0.004500	PASS
N38	30	40	DFT-QPSK	H	Outer_Full	VN	NT	-5.330000	-0.002050	PASS
N38	30	40	DFT-QPSK	H	Outer_Full	VH	NT	-3.620000	-0.001392	PASS
N38	30	40	DFT-16QAM	H	Outer_Full	VL	NT	-9.240000	-0.003554	PASS
N38	30	40	DFT-16QAM	H	Outer_Full	VN	NT	-0.190000	-0.000073	PASS
N38	30	40	DFT-16QAM	H	Outer_Full	VH	NT	-4.340000	-0.001669	PASS

Frequency Error VS. Temperature

Voltage										
Band	SCS	Bandwidth	Modulation	Channel	RB Config	Voltage	Temperature	Deviation(Hz)	Deviation (ppm)	Verdict
N38	30	10	DFT-QPSK	L	Outer_Full	NV	-30	4.940000	0.001918	PASS
N38	30	10	DFT-QPSK	L	Outer_Full	NV	-20	1.440000	0.000559	PASS
N38	30	10	DFT-QPSK	L	Outer_Full	NV	-10	3.990000	0.001550	PASS
N38	30	10	DFT-QPSK	L	Outer_Full	NV	0	3.920000	0.001522	PASS
N38	30	10	DFT-QPSK	L	Outer_Full	NV	10	0.830000	0.000322	PASS
N38	30	10	DFT-QPSK	L	Outer_Full	NV	20	1.860000	0.000722	PASS
N38	30	10	DFT-QPSK	L	Outer_Full	NV	30	-3.170000	-0.001231	PASS
N38	30	10	DFT-QPSK	L	Outer_Full	NV	40	3.760000	0.001460	PASS
N38	30	10	DFT-QPSK	L	Outer_Full	NV	50	3.610000	0.001402	PASS
N38	30	10	DFT-16QAM	L	Outer_Full	NV	-30	3.380000	0.001313	PASS
N38	30	10	DFT-16QAM	L	Outer_Full	NV	-20	1.430000	0.000555	PASS
N38	30	10	DFT-16QAM	L	Outer_Full	NV	-10	6.040000	0.002346	PASS
N38	30	10	DFT-16QAM	L	Outer_Full	NV	0	-0.360000	-0.000140	PASS
N38	30	10	DFT-16QAM	L	Outer_Full	NV	10	2.590000	0.001006	PASS
N38	30	10	DFT-16QAM	L	Outer_Full	NV	20	5.020000	0.001950	PASS
N38	30	10	DFT-16QAM	L	Outer_Full	NV	30	3.910000	0.001518	PASS

N38	30	10	DFT-16QAM	L	Outer_Full	NV	40	-0.550000	-0.000214	PASS
N38	30	10	DFT-16QAM	L	Outer_Full	NV	50	2.500000	0.000971	PASS
N38	30	10	DFT-QPSK	M	Outer_Full	NV	-30	-2.049999	-0.000790	PASS
N38	30	10	DFT-QPSK	M	Outer_Full	NV	-20	-4.840000	-0.001865	PASS
N38	30	10	DFT-QPSK	M	Outer_Full	NV	-10	3.270000	0.001260	PASS
N38	30	10	DFT-QPSK	M	Outer_Full	NV	0	-3.750000	-0.001445	PASS
N38	30	10	DFT-QPSK	M	Outer_Full	NV	10	-5.320000	-0.002050	PASS
N38	30	10	DFT-QPSK	M	Outer_Full	NV	20	-2.120000	-0.000817	PASS
N38	30	10	DFT-QPSK	M	Outer_Full	NV	30	-0.760000	-0.000293	PASS
N38	30	10	DFT-QPSK	M	Outer_Full	NV	40	-2.810000	-0.001083	PASS
N38	30	10	DFT-QPSK	M	Outer_Full	NV	50	-4.880000	-0.001881	PASS
N38	30	10	DFT-16QAM	M	Outer_Full	NV	-30	-3.530000	-0.001360	PASS
N38	30	10	DFT-16QAM	M	Outer_Full	NV	-20	3.170000	0.001222	PASS
N38	30	10	DFT-16QAM	M	Outer_Full	NV	-10	-7.710000	-0.002971	PASS
N38	30	10	DFT-16QAM	M	Outer_Full	NV	0	0.150000	0.000058	PASS
N38	30	10	DFT-16QAM	M	Outer_Full	NV	10	2.009999	0.000775	PASS
N38	30	10	DFT-16QAM	M	Outer_Full	NV	20	-1.030000	-0.000397	PASS
N38	30	10	DFT-16QAM	M	Outer_Full	NV	30	-0.800000	-0.000308	PASS
N38	30	10	DFT-16QAM	M	Outer_Full	NV	40	0.230000	0.000089	PASS
N38	30	10	DFT-16QAM	M	Outer_Full	NV	50	1.050000	0.000405	PASS
N38	30	10	DFT-QPSK	H	Outer_Full	NV	-30	-6.770000	-0.002589	PASS
N38	30	10	DFT-QPSK	H	Outer_Full	NV	-20	-5.250000	-0.002007	PASS
N38	30	10	DFT-QPSK	H	Outer_Full	NV	-10	-11.790000	-0.004509	PASS
N38	30	10	DFT-QPSK	H	Outer_Full	NV	0	-7.090000	-0.002711	PASS
N38	30	10	DFT-QPSK	H	Outer_Full	NV	10	-4.890000	-0.001870	PASS
N38	30	10	DFT-QPSK	H	Outer_Full	NV	20	-3.040000	-0.001163	PASS
N38	30	10	DFT-QPSK	H	Outer_Full	NV	30	-5.550000	-0.002122	PASS
N38	30	10	DFT-QPSK	H	Outer_Full	NV	40	-4.230000	-0.001618	PASS
N38	30	10	DFT-QPSK	H	Outer_Full	NV	50	-3.490000	-0.001335	PASS
N38	30	10	DFT-16QAM	H	Outer_Full	NV	-30	-3.630000	-0.001388	PASS
N38	30	10	DFT-16QAM	H	Outer_Full	NV	-20	-6.770000	-0.002589	PASS
N38	30	10	DFT-16QAM	H	Outer_Full	NV	-10	0.800000	0.000306	PASS
N38	30	10	DFT-16QAM	H	Outer_Full	NV	0	-2.460000	-0.000941	PASS
N38	30	10	DFT-16QAM	H	Outer_Full	NV	10	-3.810000	-0.001457	PASS
N38	30	10	DFT-16QAM	H	Outer_Full	NV	20	-5.620000	-0.002149	PASS
N38	30	10	DFT-16QAM	H	Outer_Full	NV	30	-5.140000	-0.001965	PASS
N38	30	10	DFT-16QAM	H	Outer_Full	NV	40	-4.540000	-0.001736	PASS
N38	30	10	DFT-16QAM	H	Outer_Full	NV	50	-4.630000	-0.001771	PASS
N38	30	15	DFT-QPSK	L	Outer_Full	NV	-30	-1.720000	-0.000667	PASS
N38	30	15	DFT-QPSK	L	Outer_Full	NV	-20	-7.410000	-0.002875	PASS

N38	30	15	DFT-QPSK	L	Outer_Full	NV	-10	2.850000	0.001106	PASS
N38	30	15	DFT-QPSK	L	Outer_Full	NV	0	-5.370000	-0.002083	PASS
N38	30	15	DFT-QPSK	L	Outer_Full	NV	10	-0.350000	-0.000136	PASS
N38	30	15	DFT-QPSK	L	Outer_Full	NV	20	-8.100000	-0.003143	PASS
N38	30	15	DFT-QPSK	L	Outer_Full	NV	30	2.460000	0.000954	PASS
N38	30	15	DFT-QPSK	L	Outer_Full	NV	40	0.040000	0.000016	PASS
N38	30	15	DFT-QPSK	L	Outer_Full	NV	50	1.140000	0.000442	PASS
N38	30	15	DFT-16QAM	L	Outer_Full	NV	-30	-4.040000	-0.001567	PASS
N38	30	15	DFT-16QAM	L	Outer_Full	NV	-20	-0.400000	-0.000155	PASS
N38	30	15	DFT-16QAM	L	Outer_Full	NV	-10	-2.560000	-0.000993	PASS
N38	30	15	DFT-16QAM	L	Outer_Full	NV	0	-4.940000	-0.001917	PASS
N38	30	15	DFT-16QAM	L	Outer_Full	NV	10	0.070000	0.000027	PASS
N38	30	15	DFT-16QAM	L	Outer_Full	NV	20	-1.480000	-0.000574	PASS
N38	30	15	DFT-16QAM	L	Outer_Full	NV	30	-0.990000	-0.000384	PASS
N38	30	15	DFT-16QAM	L	Outer_Full	NV	40	-0.740000	-0.000287	PASS
N38	30	15	DFT-16QAM	L	Outer_Full	NV	50	-3.650000	-0.001416	PASS
N38	30	15	DFT-QPSK	M	Outer_Full	NV	-30	0.120000	0.000046	PASS
N38	30	15	DFT-QPSK	M	Outer_Full	NV	-20	0.690000	0.000266	PASS
N38	30	15	DFT-QPSK	M	Outer_Full	NV	-10	-1.920000	-0.000740	PASS
N38	30	15	DFT-QPSK	M	Outer_Full	NV	0	4.340000	0.001672	PASS
N38	30	15	DFT-QPSK	M	Outer_Full	NV	10	-0.690000	-0.000266	PASS
N38	30	15	DFT-QPSK	M	Outer_Full	NV	20	2.170000	0.000836	PASS
N38	30	15	DFT-QPSK	M	Outer_Full	NV	30	-2.750000	-0.001060	PASS
N38	30	15	DFT-QPSK	M	Outer_Full	NV	40	-2.310000	-0.000890	PASS
N38	30	15	DFT-QPSK	M	Outer_Full	NV	50	0.280000	0.000108	PASS
N38	30	15	DFT-16QAM	M	Outer_Full	NV	-30	1.740000	0.000671	PASS
N38	30	15	DFT-16QAM	M	Outer_Full	NV	-20	2.170000	0.000836	PASS
N38	30	15	DFT-16QAM	M	Outer_Full	NV	-10	0.170000	0.000066	PASS
N38	30	15	DFT-16QAM	M	Outer_Full	NV	0	4.510000	0.001738	PASS
N38	30	15	DFT-16QAM	M	Outer_Full	NV	10	5.830000	0.002247	PASS
N38	30	15	DFT-16QAM	M	Outer_Full	NV	20	0.610000	0.000235	PASS
N38	30	15	DFT-16QAM	M	Outer_Full	NV	30	1.270000	0.000488	PASS
N38	30	15	DFT-16QAM	M	Outer_Full	NV	40	-2.570000	-0.000990	PASS
N38	30	15	DFT-16QAM	M	Outer_Full	NV	50	-2.009999	-0.000775	PASS
N38	30	15	DFT-QPSK	H	Outer_Full	NV	-30	5.200000	0.001990	PASS
N38	30	15	DFT-QPSK	H	Outer_Full	NV	-20	6.820000	0.002611	PASS
N38	30	15	DFT-QPSK	H	Outer_Full	NV	-10	2.410000	0.000922	PASS
N38	30	15	DFT-QPSK	H	Outer_Full	NV	0	6.300000	0.002411	PASS
N38	30	15	DFT-QPSK	H	Outer_Full	NV	10	1.350000	0.000517	PASS
N38	30	15	DFT-QPSK	H	Outer_Full	NV	20	2.960000	0.001133	PASS

N38	30	15	DFT-QPSK	H	Outer_Full	NV	30	2.620000	0.001003	PASS
N38	30	15	DFT-QPSK	H	Outer_Full	NV	40	3.470000	0.001328	PASS
N38	30	15	DFT-QPSK	H	Outer_Full	NV	50	1.710000	0.000655	PASS
N38	30	15	DFT-16QAM	H	Outer_Full	NV	-30	-0.480000	-0.000184	PASS
N38	30	15	DFT-16QAM	H	Outer_Full	NV	-20	3.790000	0.001451	PASS
N38	30	15	DFT-16QAM	H	Outer_Full	NV	-10	3.710000	0.001420	PASS
N38	30	15	DFT-16QAM	H	Outer_Full	NV	0	1.900000	0.000727	PASS
N38	30	15	DFT-16QAM	H	Outer_Full	NV	10	3.680000	0.001409	PASS
N38	30	15	DFT-16QAM	H	Outer_Full	NV	20	4.810000	0.001841	PASS
N38	30	15	DFT-16QAM	H	Outer_Full	NV	30	-1.360000	-0.000521	PASS
N38	30	15	DFT-16QAM	H	Outer_Full	NV	40	2.020000	0.000773	PASS
N38	30	15	DFT-16QAM	H	Outer_Full	NV	50	3.880000	0.001485	PASS
N38	30	20	DFT-QPSK	L	Outer_Full	NV	-30	0.500000	0.000194	PASS
N38	30	20	DFT-QPSK	L	Outer_Full	NV	-20	3.640000	0.001411	PASS
N38	30	20	DFT-QPSK	L	Outer_Full	NV	-10	0.160000	0.000062	PASS
N38	30	20	DFT-QPSK	L	Outer_Full	NV	0	-0.470000	-0.000182	PASS
N38	30	20	DFT-QPSK	L	Outer_Full	NV	10	3.910000	0.001516	PASS
N38	30	20	DFT-QPSK	L	Outer_Full	NV	20	-1.130000	-0.000438	PASS
N38	30	20	DFT-QPSK	L	Outer_Full	NV	30	2.260000	0.000876	PASS
N38	30	20	DFT-QPSK	L	Outer_Full	NV	40	0.350000	0.000136	PASS
N38	30	20	DFT-QPSK	L	Outer_Full	NV	50	3.800000	0.001473	PASS
N38	30	20	DFT-16QAM	L	Outer_Full	NV	-30	1.380000	0.000535	PASS
N38	30	20	DFT-16QAM	L	Outer_Full	NV	-20	0.640000	0.000248	PASS
N38	30	20	DFT-16QAM	L	Outer_Full	NV	-10	2.610000	0.001012	PASS
N38	30	20	DFT-16QAM	L	Outer_Full	NV	0	-1.200000	-0.000465	PASS
N38	30	20	DFT-16QAM	L	Outer_Full	NV	10	0.040000	0.000016	PASS
N38	30	20	DFT-16QAM	L	Outer_Full	NV	20	7.160000	0.002775	PASS
N38	30	20	DFT-16QAM	L	Outer_Full	NV	30	1.870000	0.000725	PASS
N38	30	20	DFT-16QAM	L	Outer_Full	NV	40	3.020000	0.001171	PASS
N38	30	20	DFT-16QAM	L	Outer_Full	NV	50	-5.830000	-0.002260	PASS
N38	30	20	DFT-QPSK	M	Outer_Full	NV	-30	1.520000	0.000586	PASS
N38	30	20	DFT-QPSK	M	Outer_Full	NV	-20	0.780000	0.000301	PASS
N38	30	20	DFT-QPSK	M	Outer_Full	NV	-10	3.260000	0.001256	PASS
N38	30	20	DFT-QPSK	M	Outer_Full	NV	0	-0.110000	-0.000042	PASS
N38	30	20	DFT-QPSK	M	Outer_Full	NV	10	1.910000	0.000736	PASS
N38	30	20	DFT-QPSK	M	Outer_Full	NV	20	-1.600000	-0.000617	PASS
N38	30	20	DFT-QPSK	M	Outer_Full	NV	30	2.530000	0.000975	PASS
N38	30	20	DFT-QPSK	M	Outer_Full	NV	40	0.870000	0.000335	PASS
N38	30	20	DFT-QPSK	M	Outer_Full	NV	50	-2.000000	-0.000771	PASS
N38	30	20	DFT-16QAM	M	Outer_Full	NV	-30	3.870000	0.001491	PASS

N38	30	20	DFT-16QAM	M	Outer_Full	NV	-20	-0.420000	-0.000162	PASS
N38	30	20	DFT-16QAM	M	Outer_Full	NV	-10	2.480000	0.000956	PASS
N38	30	20	DFT-16QAM	M	Outer_Full	NV	0	-0.580000	-0.000224	PASS
N38	30	20	DFT-16QAM	M	Outer_Full	NV	10	-0.900000	-0.000347	PASS
N38	30	20	DFT-16QAM	M	Outer_Full	NV	20	-1.320000	-0.000509	PASS
N38	30	20	DFT-16QAM	M	Outer_Full	NV	30	0.350000	0.000135	PASS
N38	30	20	DFT-16QAM	M	Outer_Full	NV	40	0.390000	0.000150	PASS
N38	30	20	DFT-16QAM	M	Outer_Full	NV	50	-4.720000	-0.001819	PASS
N38	30	20	DFT-QPSK	H	Outer_Full	NV	-30	-0.440000	-0.000169	PASS
N38	30	20	DFT-QPSK	H	Outer_Full	NV	-20	-3.080000	-0.001180	PASS
N38	30	20	DFT-QPSK	H	Outer_Full	NV	-10	0.250000	0.000096	PASS
N38	30	20	DFT-QPSK	H	Outer_Full	NV	0	0.590000	0.000226	PASS
N38	30	20	DFT-QPSK	H	Outer_Full	NV	10	1.820000	0.000697	PASS
N38	30	20	DFT-QPSK	H	Outer_Full	NV	20	-3.350000	-0.001284	PASS
N38	30	20	DFT-QPSK	H	Outer_Full	NV	30	3.640000	0.001395	PASS
N38	30	20	DFT-QPSK	H	Outer_Full	NV	40	0.580000	0.000222	PASS
N38	30	20	DFT-QPSK	H	Outer_Full	NV	50	-1.710000	-0.000655	PASS
N38	30	20	DFT-16QAM	H	Outer_Full	NV	-30	3.790000	0.001452	PASS
N38	30	20	DFT-16QAM	H	Outer_Full	NV	-20	0.400000	0.000153	PASS
N38	30	20	DFT-16QAM	H	Outer_Full	NV	-10	0.880000	0.000337	PASS
N38	30	20	DFT-16QAM	H	Outer_Full	NV	0	-6.580000	-0.002521	PASS
N38	30	20	DFT-16QAM	H	Outer_Full	NV	10	-2.470000	-0.000946	PASS
N38	30	20	DFT-16QAM	H	Outer_Full	NV	20	-5.770000	-0.002211	PASS
N38	30	20	DFT-16QAM	H	Outer_Full	NV	30	-1.700000	-0.000651	PASS
N38	30	20	DFT-16QAM	H	Outer_Full	NV	40	-4.380000	-0.001678	PASS
N38	30	20	DFT-16QAM	H	Outer_Full	NV	50	5.170000	0.001981	PASS
N38	30	30	DFT-QPSK	L	Outer_Full	NV	-30	-0.760000	-0.000294	PASS
N38	30	30	DFT-QPSK	L	Outer_Full	NV	-20	-9.340000	-0.003613	PASS
N38	30	30	DFT-QPSK	L	Outer_Full	NV	-10	-5.190000	-0.002007	PASS
N38	30	30	DFT-QPSK	L	Outer_Full	NV	0	-7.030000	-0.002720	PASS
N38	30	30	DFT-QPSK	L	Outer_Full	NV	10	-9.360000	-0.003621	PASS
N38	30	30	DFT-QPSK	L	Outer_Full	NV	20	-0.580000	-0.000224	PASS
N38	30	30	DFT-QPSK	L	Outer_Full	NV	30	-1.860000	-0.000720	PASS
N38	30	30	DFT-QPSK	L	Outer_Full	NV	40	-0.440000	-0.000170	PASS
N38	30	30	DFT-QPSK	L	Outer_Full	NV	50	-4.650000	-0.001799	PASS
N38	30	30	DFT-16QAM	L	Outer_Full	NV	-30	-2.080000	-0.000805	PASS
N38	30	30	DFT-16QAM	L	Outer_Full	NV	-20	-8.189999	-0.003168	PASS
N38	30	30	DFT-16QAM	L	Outer_Full	NV	-10	-7.210000	-0.002789	PASS
N38	30	30	DFT-16QAM	L	Outer_Full	NV	0	-3.150000	-0.001219	PASS
N38	30	30	DFT-16QAM	L	Outer_Full	NV	10	-3.960000	-0.001532	PASS

N38	30	30	DFT-16QAM	L	Outer_Full	NV	20	-3.320000	-0.001284	PASS
N38	30	30	DFT-16QAM	L	Outer_Full	NV	30	-2.530000	-0.000979	PASS
N38	30	30	DFT-16QAM	L	Outer_Full	NV	40	-4.080000	-0.001578	PASS
N38	30	30	DFT-16QAM	L	Outer_Full	NV	50	-0.800000	-0.000309	PASS
N38	30	30	DFT-QPSK	M	Outer_Full	NV	-30	0.110000	0.000042	PASS
N38	30	30	DFT-QPSK	M	Outer_Full	NV	-20	2.620000	0.001010	PASS
N38	30	30	DFT-QPSK	M	Outer_Full	NV	-10	1.340000	0.000516	PASS
N38	30	30	DFT-QPSK	M	Outer_Full	NV	0	-3.580000	-0.001380	PASS
N38	30	30	DFT-QPSK	M	Outer_Full	NV	10	-0.480000	-0.000185	PASS
N38	30	30	DFT-QPSK	M	Outer_Full	NV	20	1.830000	0.000705	PASS
N38	30	30	DFT-QPSK	M	Outer_Full	NV	30	-5.420000	-0.002089	PASS
N38	30	30	DFT-QPSK	M	Outer_Full	NV	40	-1.700000	-0.000655	PASS
N38	30	30	DFT-QPSK	M	Outer_Full	NV	50	-0.590000	-0.000227	PASS
N38	30	30	DFT-16QAM	M	Outer_Full	NV	-30	5.960000	0.002297	PASS
N38	30	30	DFT-16QAM	M	Outer_Full	NV	-20	-0.440000	-0.000170	PASS
N38	30	30	DFT-16QAM	M	Outer_Full	NV	-10	-4.980000	-0.001919	PASS
N38	30	30	DFT-16QAM	M	Outer_Full	NV	0	-3.970000	-0.001530	PASS
N38	30	30	DFT-16QAM	M	Outer_Full	NV	10	-0.750000	-0.000289	PASS
N38	30	30	DFT-16QAM	M	Outer_Full	NV	20	0.850000	0.000328	PASS
N38	30	30	DFT-16QAM	M	Outer_Full	NV	30	0.250000	0.000096	PASS
N38	30	30	DFT-16QAM	M	Outer_Full	NV	40	-4.750000	-0.001830	PASS
N38	30	30	DFT-16QAM	M	Outer_Full	NV	50	-7.360000	-0.002836	PASS
N38	30	30	DFT-QPSK	H	Outer_Full	NV	-30	0.380000	0.000146	PASS
N38	30	30	DFT-QPSK	H	Outer_Full	NV	-20	2.510000	0.000964	PASS
N38	30	30	DFT-QPSK	H	Outer_Full	NV	-10	7.110000	0.002729	PASS
N38	30	30	DFT-QPSK	H	Outer_Full	NV	0	-3.870000	-0.001486	PASS
N38	30	30	DFT-QPSK	H	Outer_Full	NV	10	0.390000	0.000150	PASS
N38	30	30	DFT-QPSK	H	Outer_Full	NV	20	5.000000	0.001919	PASS
N38	30	30	DFT-QPSK	H	Outer_Full	NV	30	2.590000	0.000994	PASS
N38	30	30	DFT-QPSK	H	Outer_Full	NV	40	1.580000	0.000607	PASS
N38	30	30	DFT-QPSK	H	Outer_Full	NV	50	1.270000	0.000488	PASS
N38	30	30	DFT-16QAM	H	Outer_Full	NV	-30	-1.530000	-0.000587	PASS
N38	30	30	DFT-16QAM	H	Outer_Full	NV	-20	4.500000	0.001727	PASS
N38	30	30	DFT-16QAM	H	Outer_Full	NV	-10	-1.850000	-0.000710	PASS
N38	30	30	DFT-16QAM	H	Outer_Full	NV	0	-0.810000	-0.000311	PASS
N38	30	30	DFT-16QAM	H	Outer_Full	NV	10	-2.990000	-0.001148	PASS
N38	30	30	DFT-16QAM	H	Outer_Full	NV	20	2.120000	0.000814	PASS
N38	30	30	DFT-16QAM	H	Outer_Full	NV	30	-0.370000	-0.000142	PASS
N38	30	30	DFT-16QAM	H	Outer_Full	NV	40	2.850000	0.001094	PASS
N38	30	30	DFT-16QAM	H	Outer_Full	NV	50	-0.180000	-0.000069	PASS

N38	30	40	DFT-QPSK	L	Outer_Full	NV	-30	3.140000	0.001212	PASS
N38	30	40	DFT-QPSK	L	Outer_Full	NV	-20	2.750000	0.001062	PASS
N38	30	40	DFT-QPSK	L	Outer_Full	NV	-10	0.350000	0.000135	PASS
N38	30	40	DFT-QPSK	L	Outer_Full	NV	0	-1.270000	-0.000490	PASS
N38	30	40	DFT-QPSK	L	Outer_Full	NV	10	5.340000	0.002062	PASS
N38	30	40	DFT-QPSK	L	Outer_Full	NV	20	0.590000	0.000228	PASS
N38	30	40	DFT-QPSK	L	Outer_Full	NV	30	3.610000	0.001394	PASS
N38	30	40	DFT-QPSK	L	Outer_Full	NV	40	8.189999	0.003162	PASS
N38	30	40	DFT-QPSK	L	Outer_Full	NV	50	3.220000	0.001243	PASS
N38	30	40	DFT-16QAM	L	Outer_Full	NV	-30	1.610000	0.000622	PASS
N38	30	40	DFT-16QAM	L	Outer_Full	NV	-20	4.160000	0.001606	PASS
N38	30	40	DFT-16QAM	L	Outer_Full	NV	-10	0.540000	0.000208	PASS
N38	30	40	DFT-16QAM	L	Outer_Full	NV	0	-1.750000	-0.000676	PASS
N38	30	40	DFT-16QAM	L	Outer_Full	NV	10	2.340000	0.000903	PASS
N38	30	40	DFT-16QAM	L	Outer_Full	NV	20	2.490000	0.000961	PASS
N38	30	40	DFT-16QAM	L	Outer_Full	NV	30	1.210000	0.000467	PASS
N38	30	40	DFT-16QAM	L	Outer_Full	NV	40	3.560000	0.001375	PASS
N38	30	40	DFT-16QAM	L	Outer_Full	NV	50	5.420000	0.002093	PASS
N38	30	40	DFT-QPSK	M	Outer_Full	NV	-30	0.630000	0.000243	PASS
N38	30	40	DFT-QPSK	M	Outer_Full	NV	-20	1.010000	0.000389	PASS
N38	30	40	DFT-QPSK	M	Outer_Full	NV	-10	-5.450000	-0.002100	PASS
N38	30	40	DFT-QPSK	M	Outer_Full	NV	0	-2.330000	-0.000898	PASS
N38	30	40	DFT-QPSK	M	Outer_Full	NV	10	-5.120000	-0.001973	PASS
N38	30	40	DFT-QPSK	M	Outer_Full	NV	20	3.270000	0.001260	PASS
N38	30	40	DFT-QPSK	M	Outer_Full	NV	30	-4.590000	-0.001769	PASS
N38	30	40	DFT-QPSK	M	Outer_Full	NV	40	-6.280000	-0.002420	PASS
N38	30	40	DFT-QPSK	M	Outer_Full	NV	50	-2.960000	-0.001141	PASS
N38	30	40	DFT-16QAM	M	Outer_Full	NV	-30	-0.680000	-0.000262	PASS
N38	30	40	DFT-16QAM	M	Outer_Full	NV	-20	-0.890000	-0.000343	PASS
N38	30	40	DFT-16QAM	M	Outer_Full	NV	-10	-1.910000	-0.000736	PASS
N38	30	40	DFT-16QAM	M	Outer_Full	NV	0	-4.740000	-0.001827	PASS
N38	30	40	DFT-16QAM	M	Outer_Full	NV	10	0.930000	0.000358	PASS
N38	30	40	DFT-16QAM	M	Outer_Full	NV	20	4.470000	0.001723	PASS
N38	30	40	DFT-16QAM	M	Outer_Full	NV	30	-3.920000	-0.001511	PASS
N38	30	40	DFT-16QAM	M	Outer_Full	NV	40	-3.970000	-0.001530	PASS
N38	30	40	DFT-16QAM	M	Outer_Full	NV	50	-7.200000	-0.002775	PASS
N38	30	40	DFT-QPSK	H	Outer_Full	NV	-30	-5.810000	-0.002235	PASS
N38	30	40	DFT-QPSK	H	Outer_Full	NV	-20	-6.620000	-0.002546	PASS
N38	30	40	DFT-QPSK	H	Outer_Full	NV	-10	-9.830000	-0.003781	PASS
N38	30	40	DFT-QPSK	H	Outer_Full	NV	0	-3.680000	-0.001415	PASS

N38	30	40	DFT-QPSK	H	Outer_Full	NV	10	-3.380000	-0.001300	PASS
N38	30	40	DFT-QPSK	H	Outer_Full	NV	20	-1.150000	-0.000442	PASS
N38	30	40	DFT-QPSK	H	Outer_Full	NV	30	-2.760000	-0.001062	PASS
N38	30	40	DFT-QPSK	H	Outer_Full	NV	40	-4.920000	-0.001892	PASS
N38	30	40	DFT-QPSK	H	Outer_Full	NV	50	-6.130000	-0.002358	PASS
N38	30	40	DFT-16QAM	H	Outer_Full	NV	-30	-4.580000	-0.001762	PASS
N38	30	40	DFT-16QAM	H	Outer_Full	NV	-20	-4.320000	-0.001662	PASS
N38	30	40	DFT-16QAM	H	Outer_Full	NV	-10	-3.920000	-0.001508	PASS
N38	30	40	DFT-16QAM	H	Outer_Full	NV	0	-4.780000	-0.001838	PASS
N38	30	40	DFT-16QAM	H	Outer_Full	NV	10	-3.920000	-0.001508	PASS
N38	30	40	DFT-16QAM	H	Outer_Full	NV	20	-4.940000	-0.001900	PASS
N38	30	40	DFT-16QAM	H	Outer_Full	NV	30	-5.680000	-0.002185	PASS
N38	30	40	DFT-16QAM	H	Outer_Full	NV	40	-10.820000	-0.004162	PASS
N38	30	40	DFT-16QAM	H	Outer_Full	NV	50	-2.069999	-0.000796	PASS