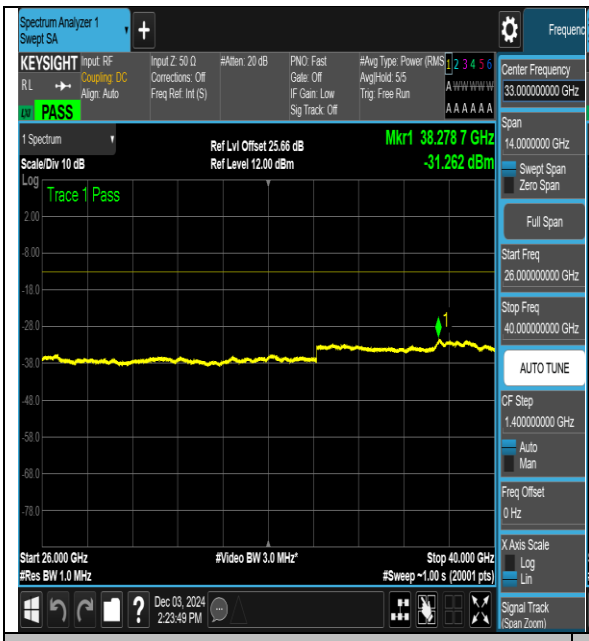
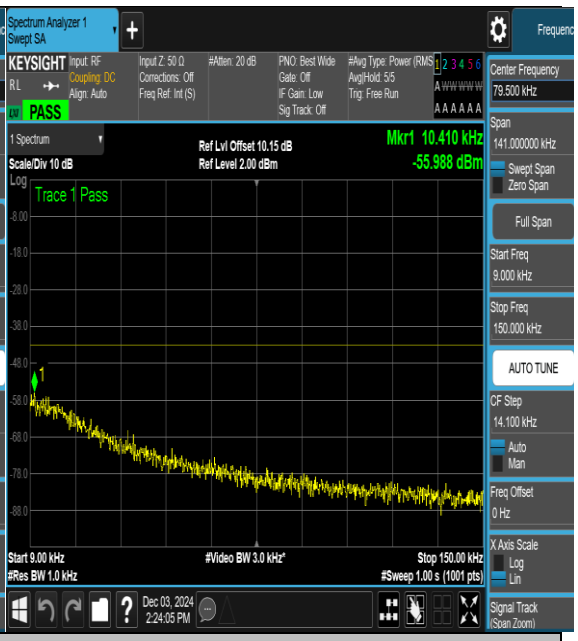


NTNV-N77-3450-3550-PC2-30-100-L-DFT-QPSK-Edge_1RB_Left-26000-40000-Ant1-PASS



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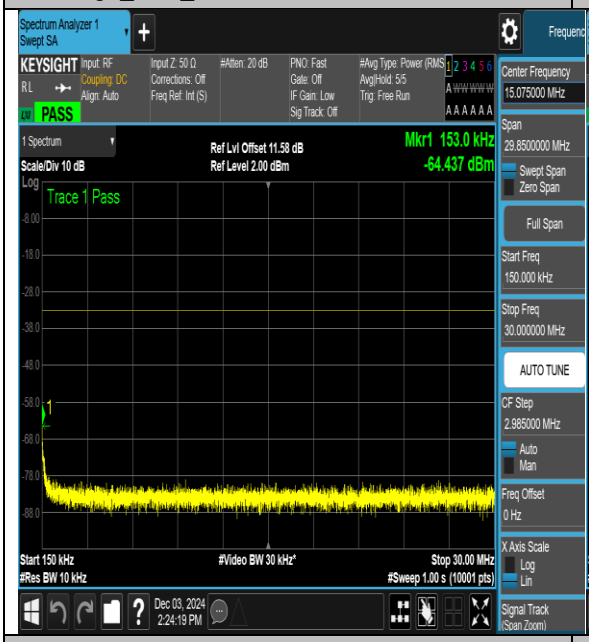

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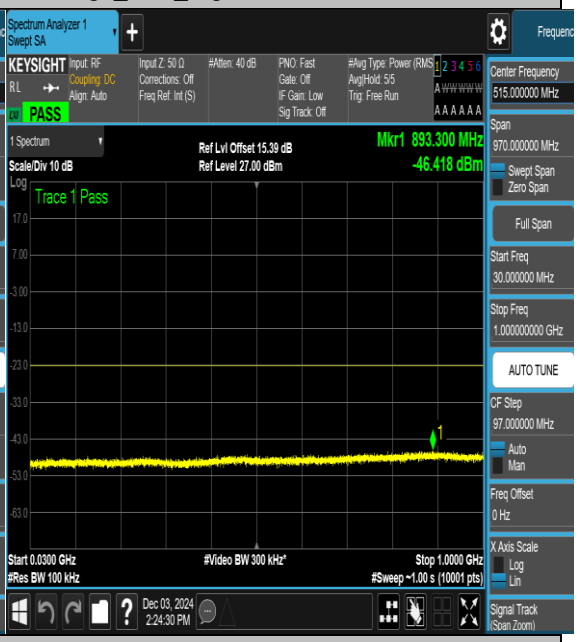

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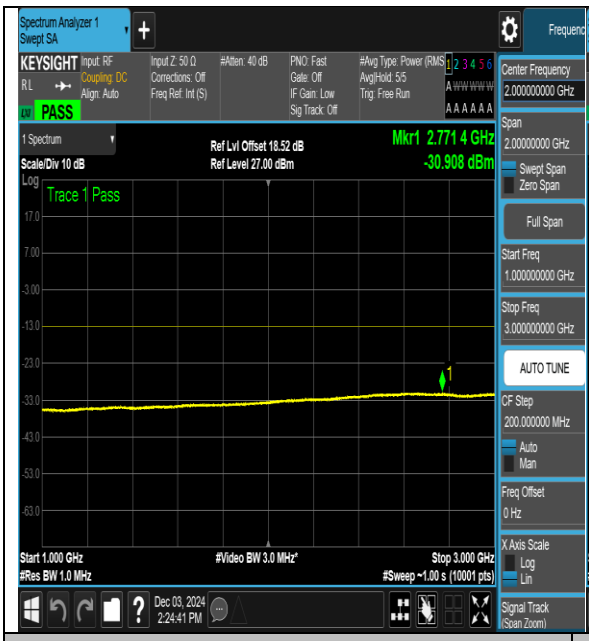

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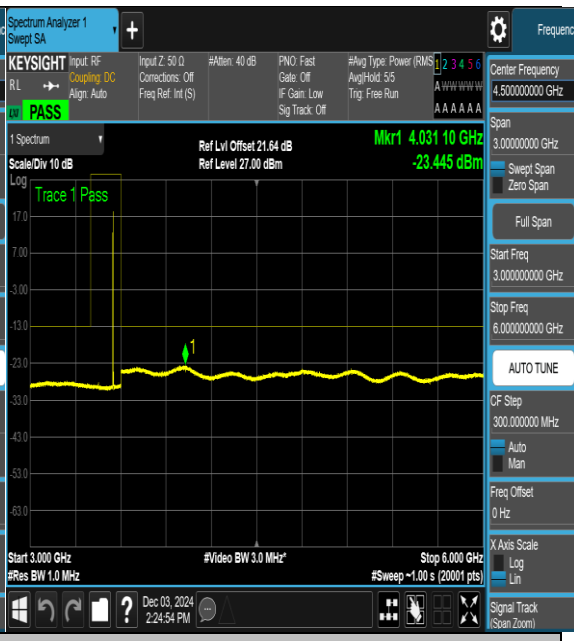

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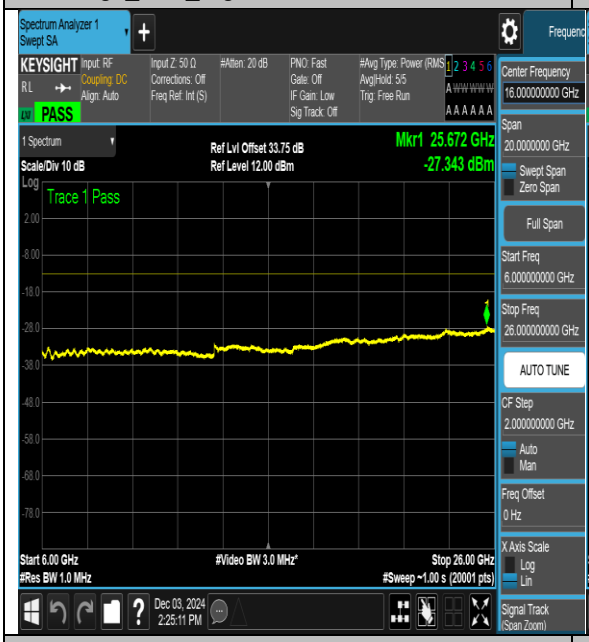

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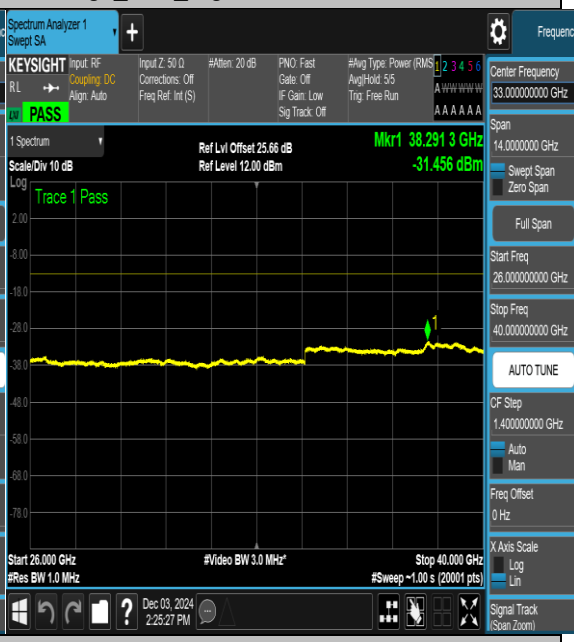

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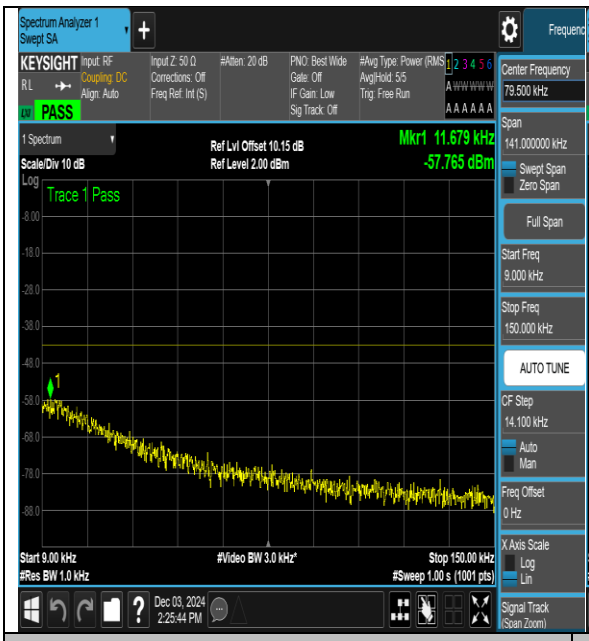

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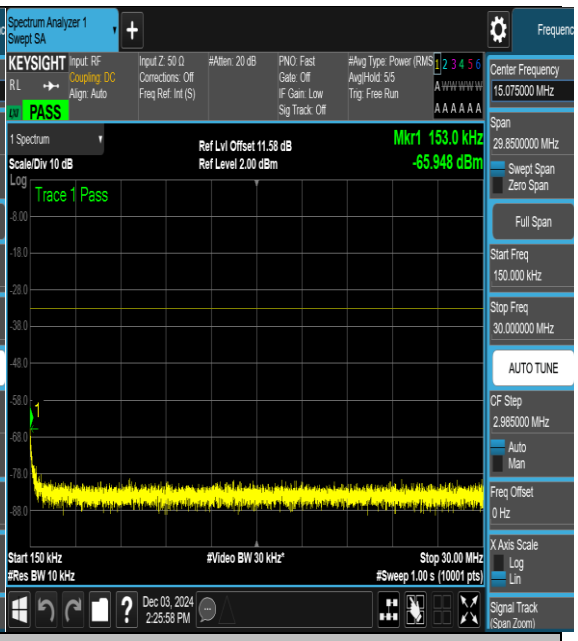

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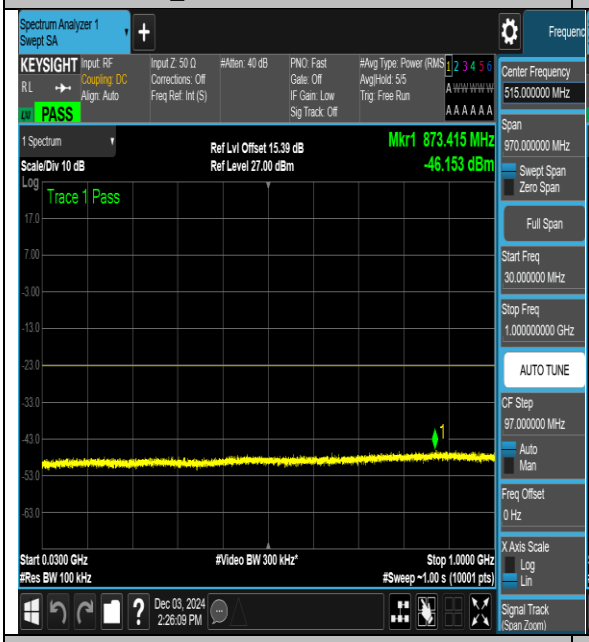

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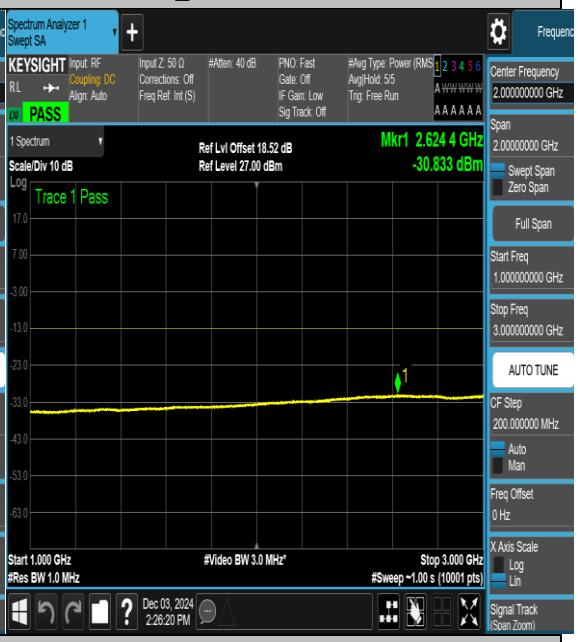

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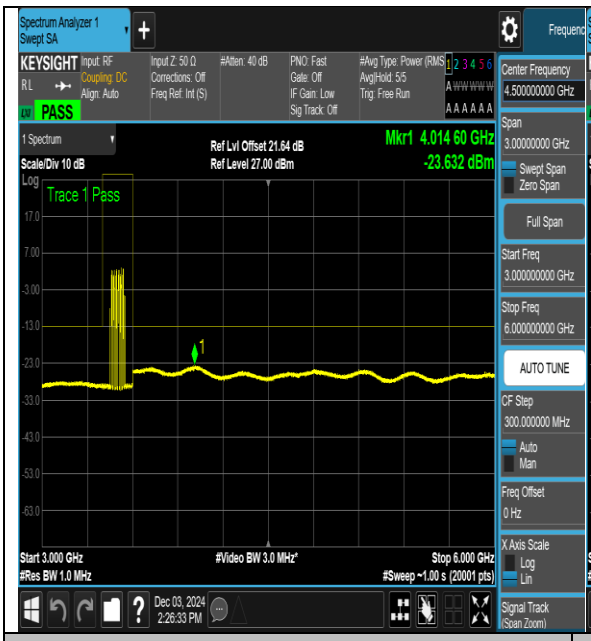

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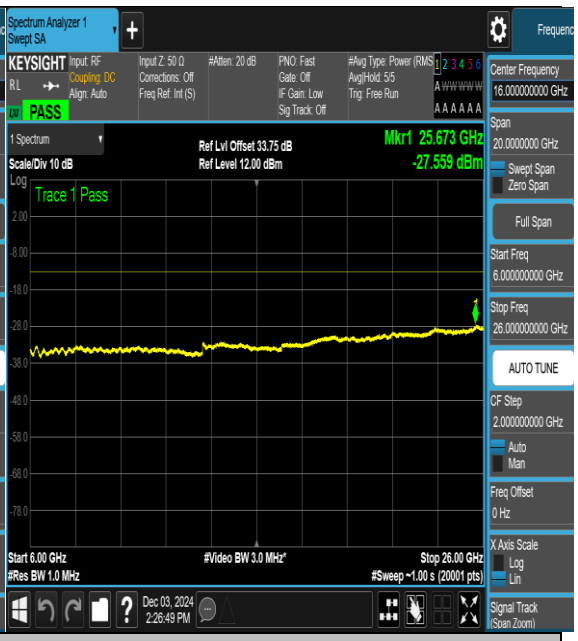

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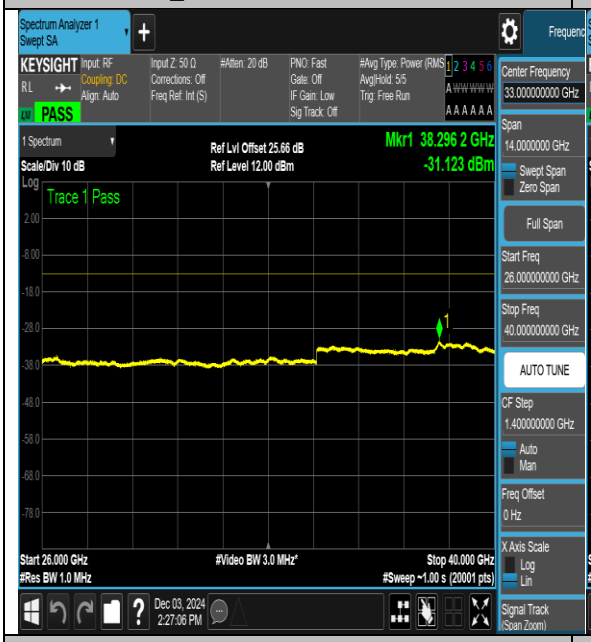

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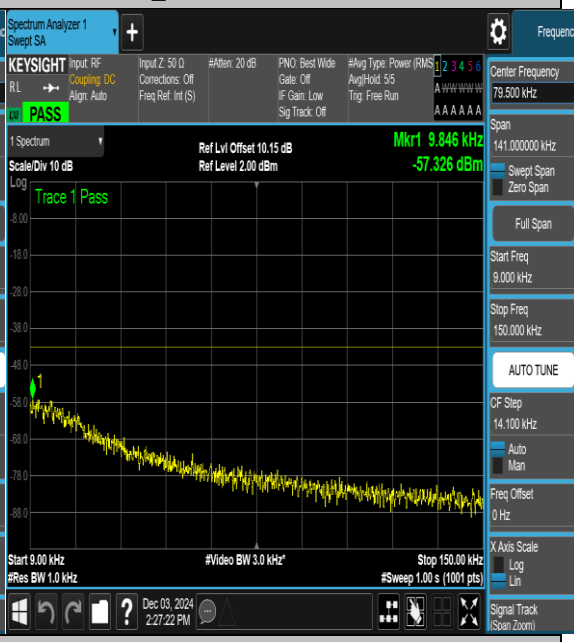

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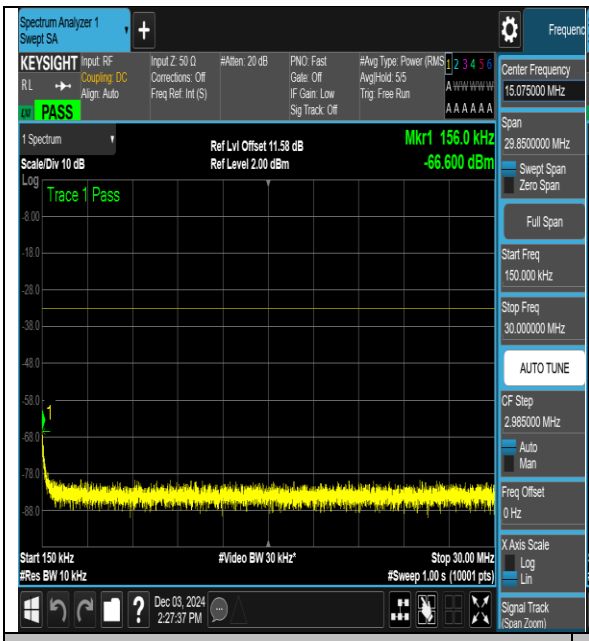

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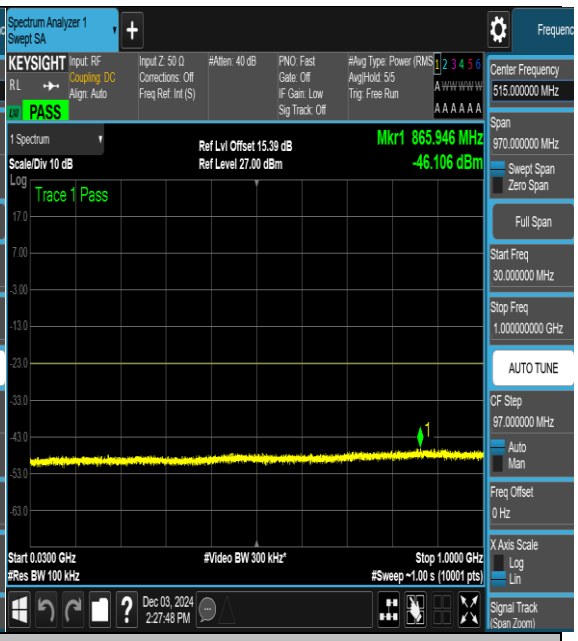

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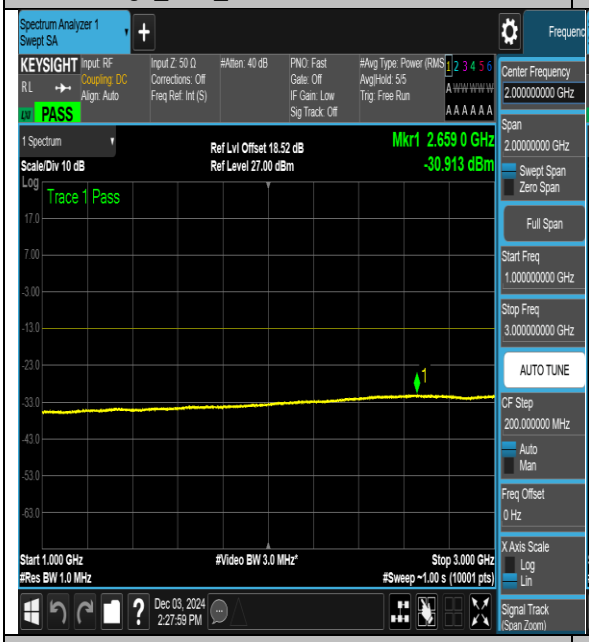

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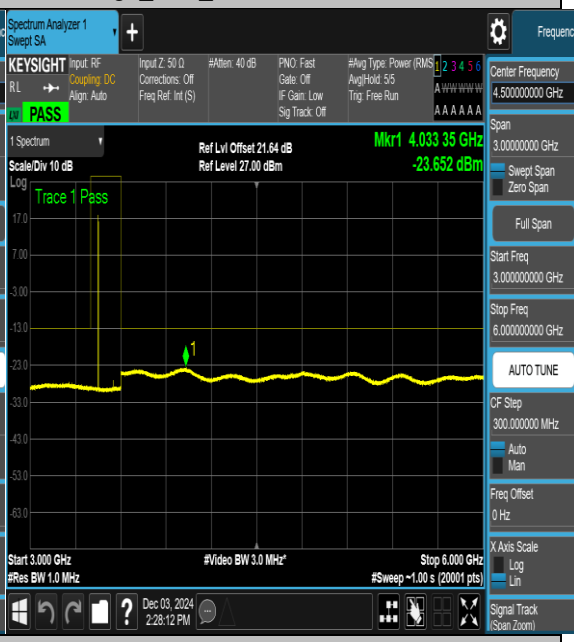

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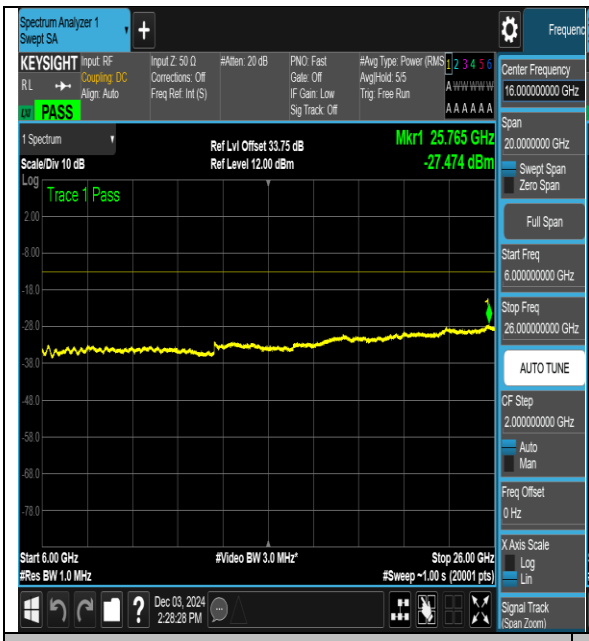

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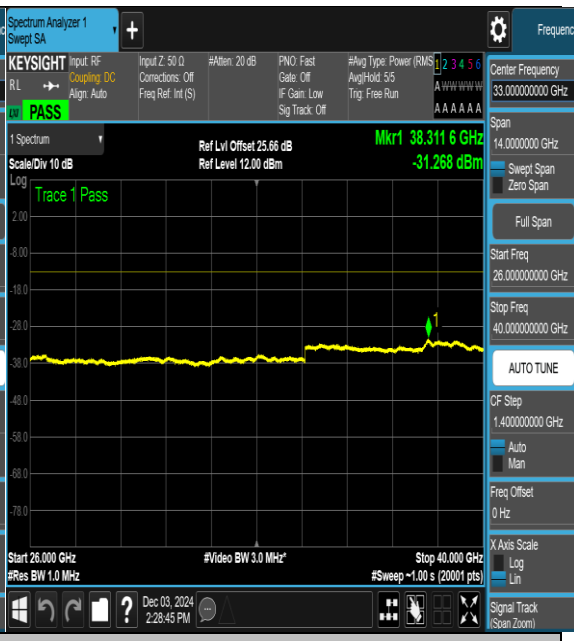

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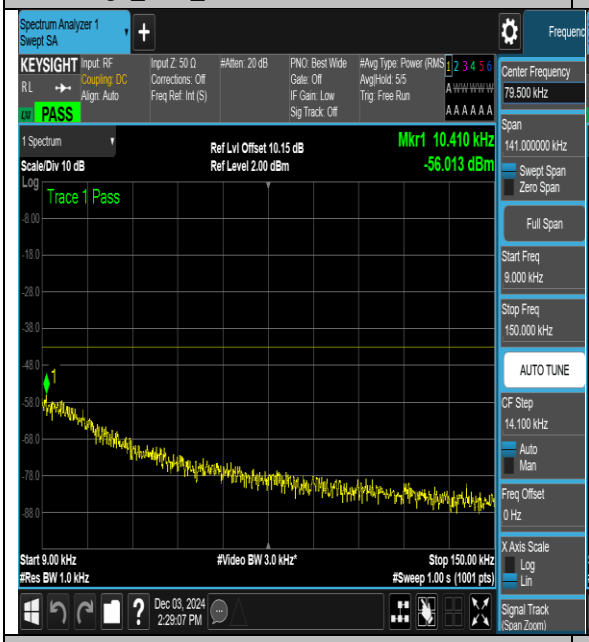

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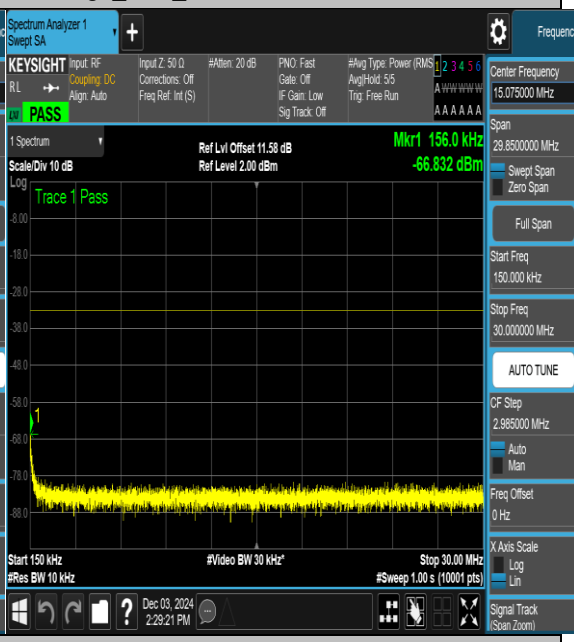

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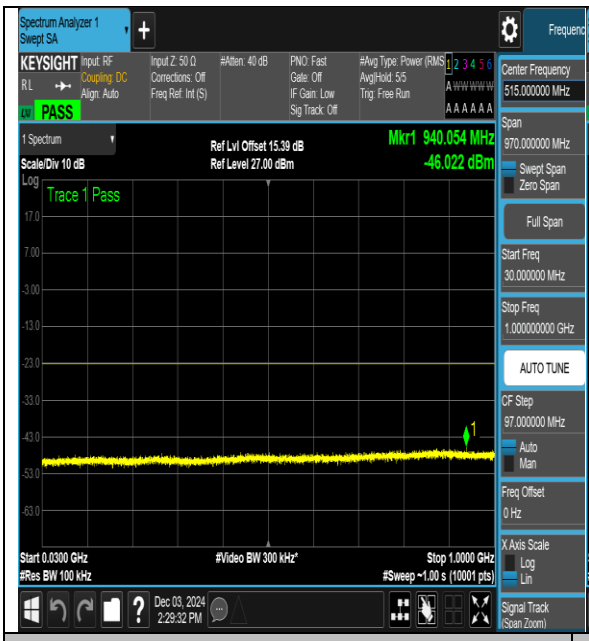

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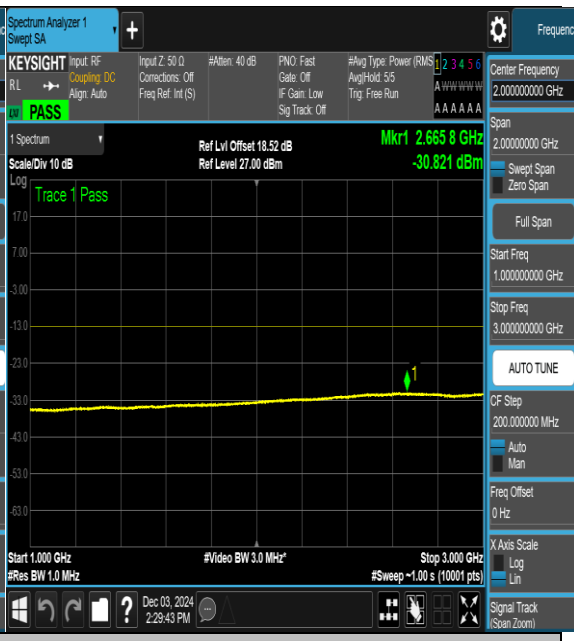

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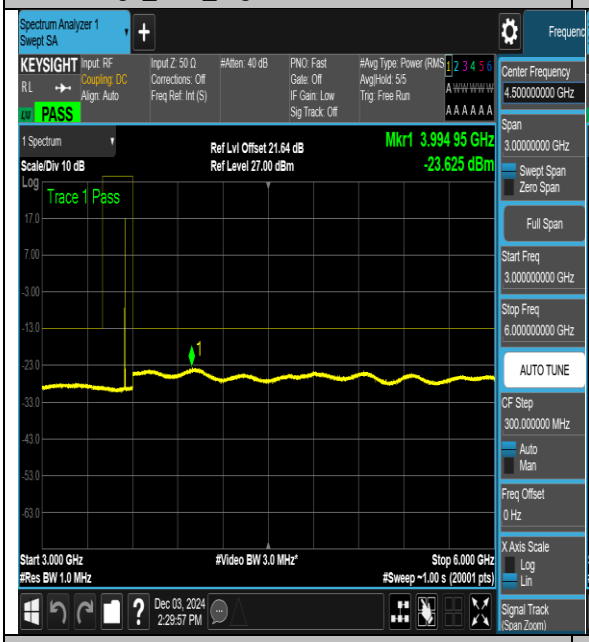

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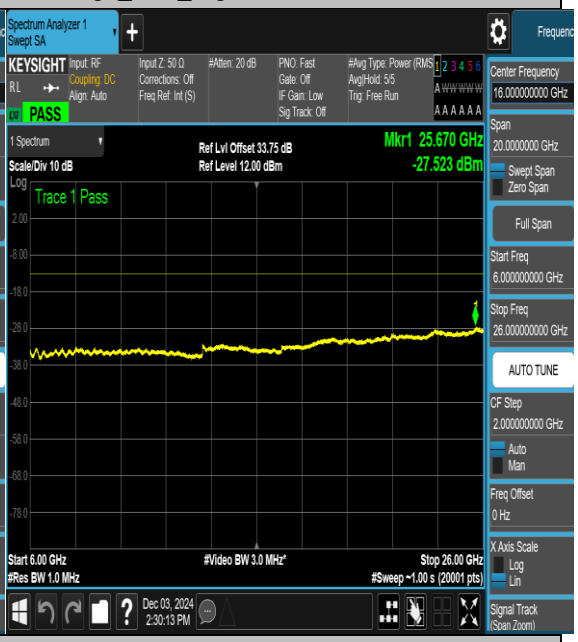

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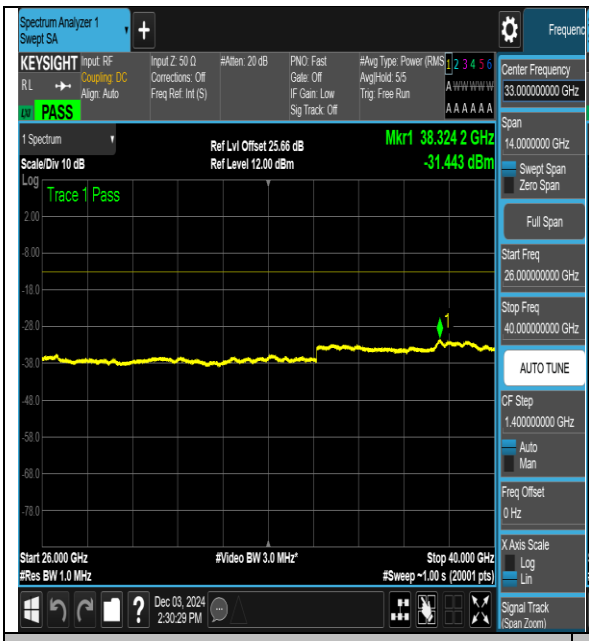

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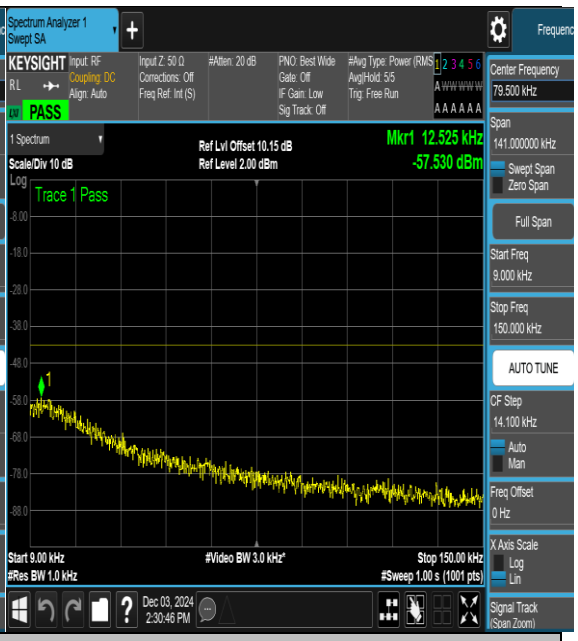

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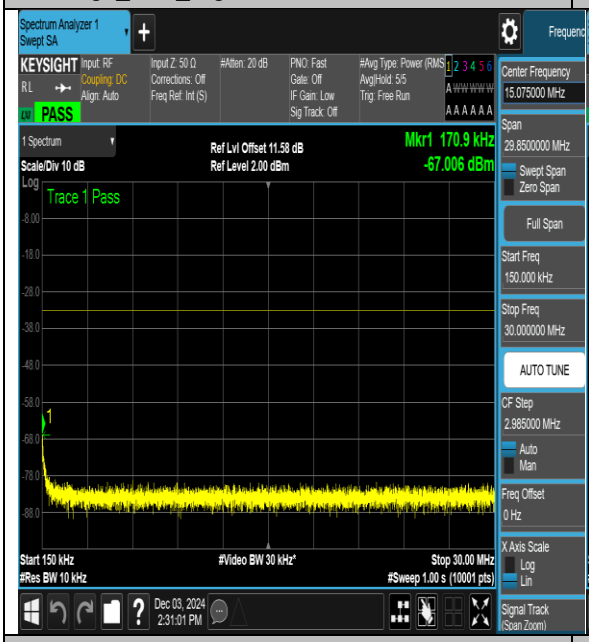

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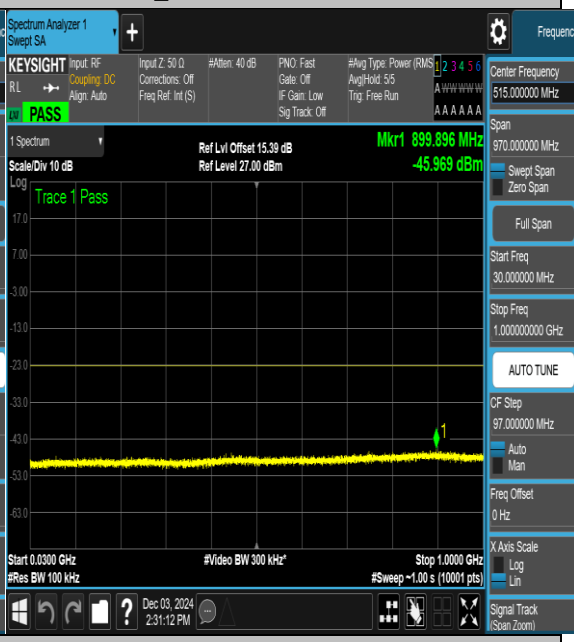

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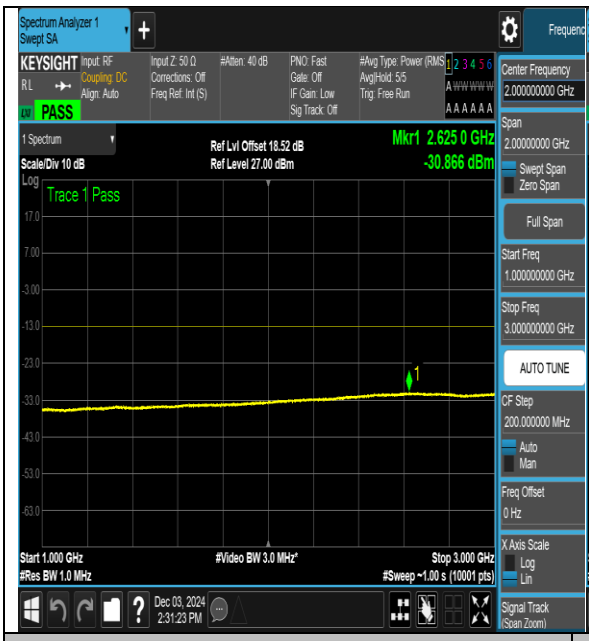

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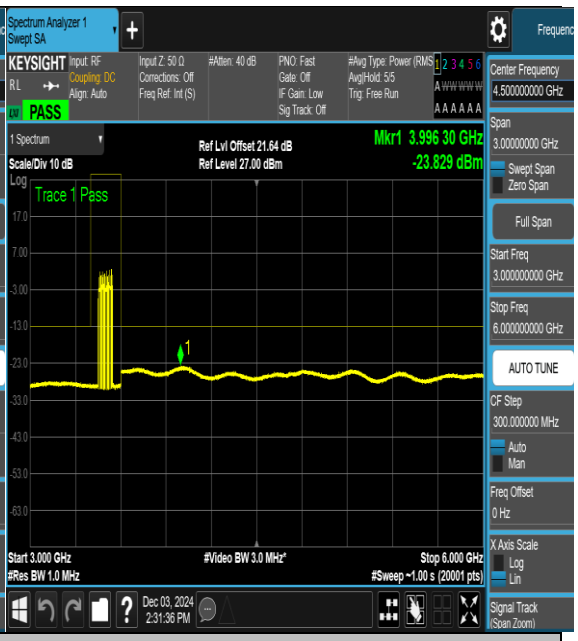

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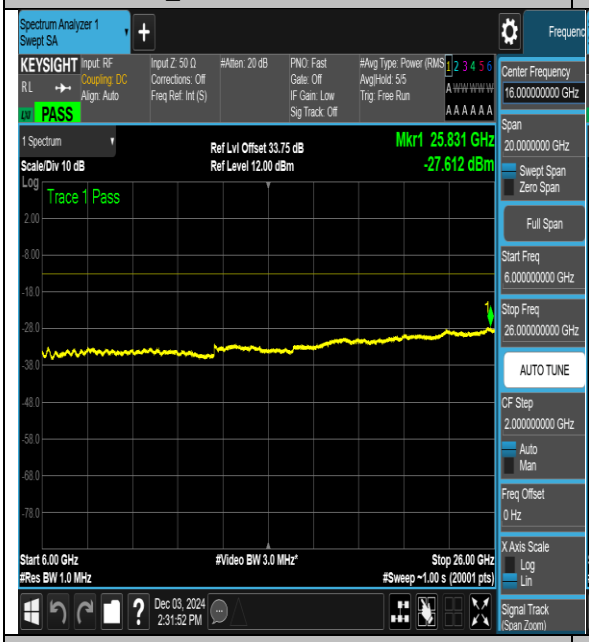

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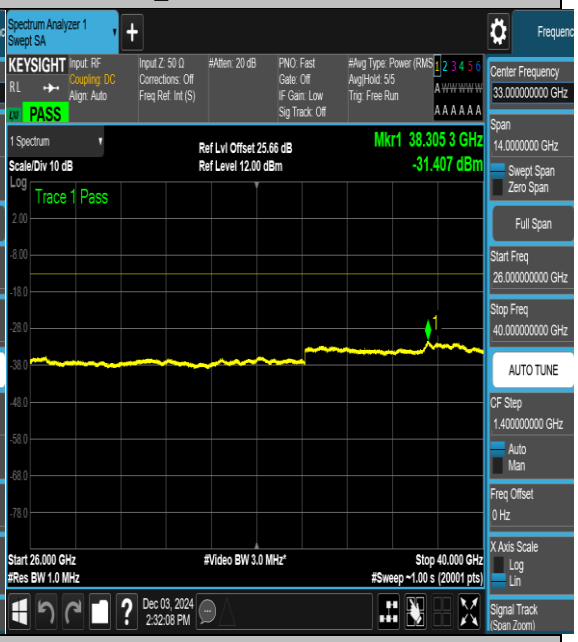

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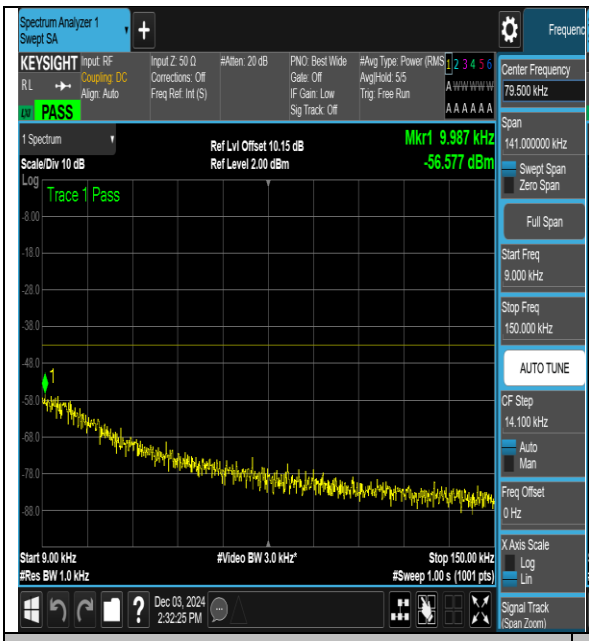

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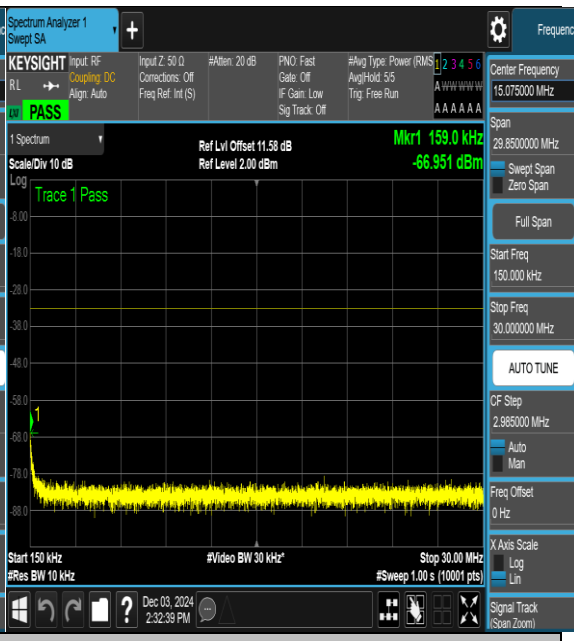

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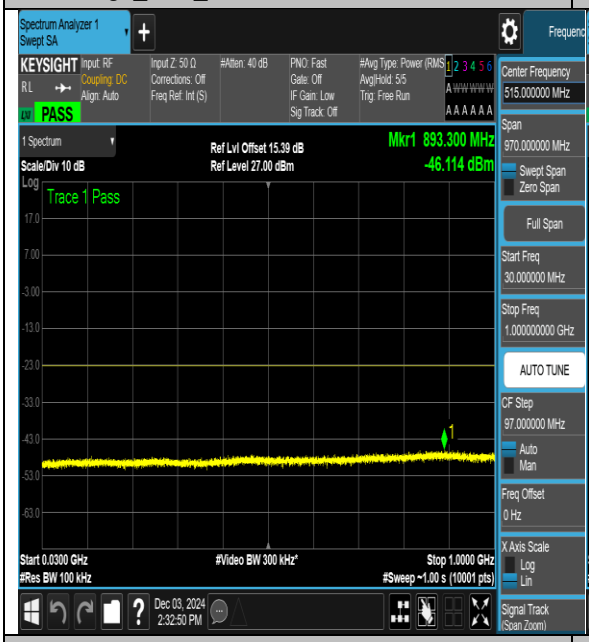

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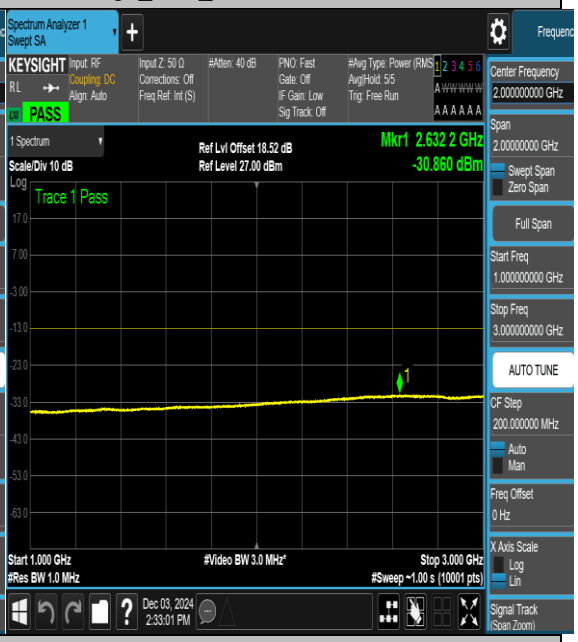

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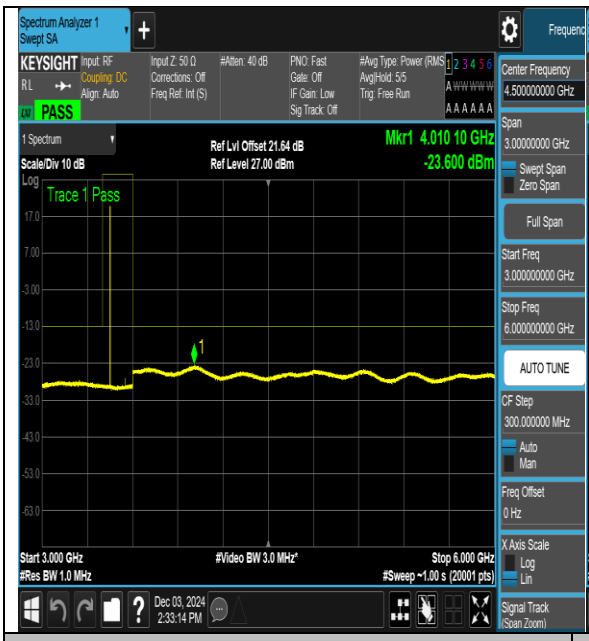

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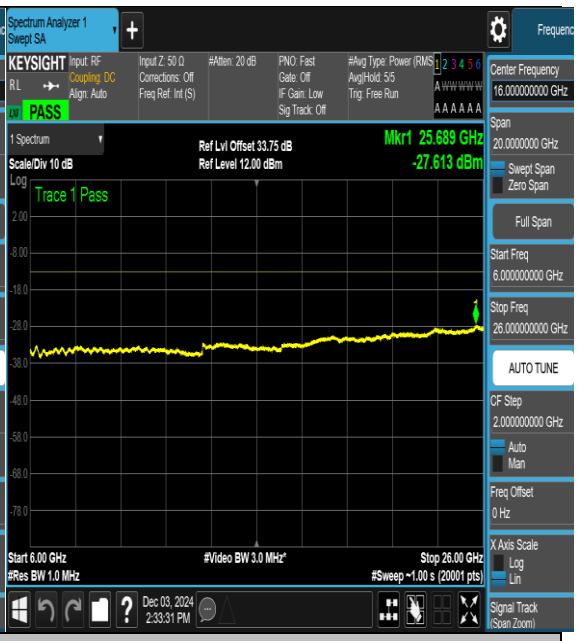

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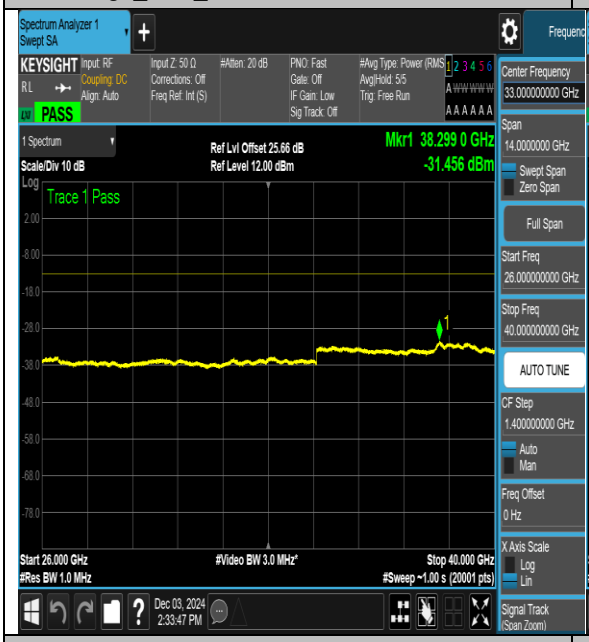

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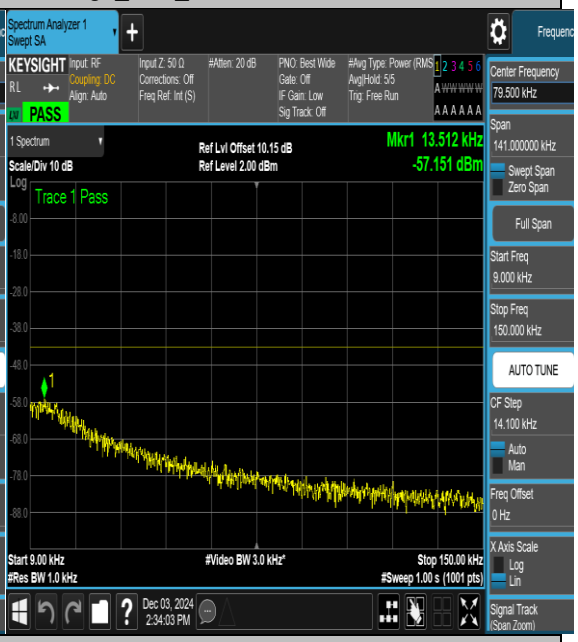
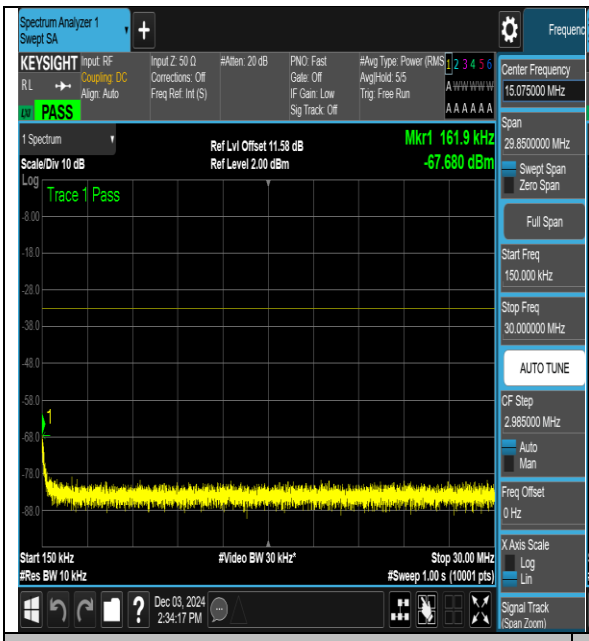


NTNV-N77-3450-3550-PC2-30-100-H-DFT-QPSK-Edge_1RB_Right-0.009-0.15-Ant1-PASS



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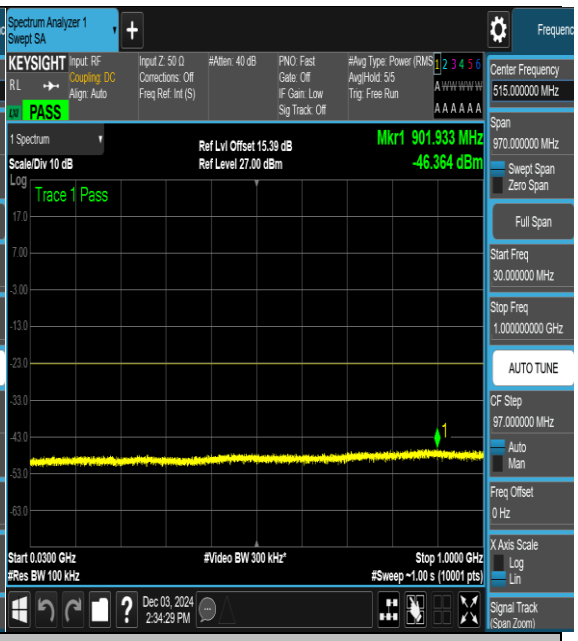
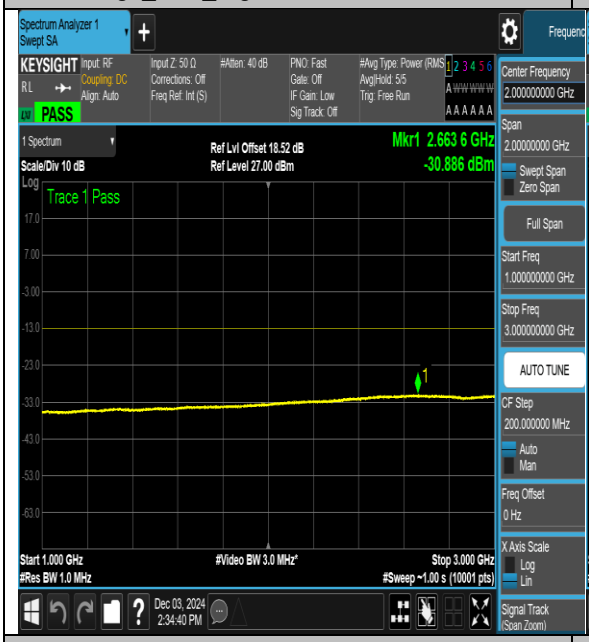
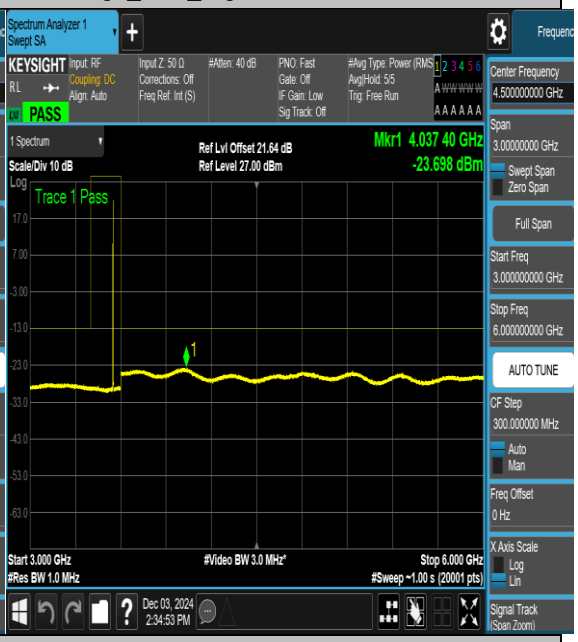


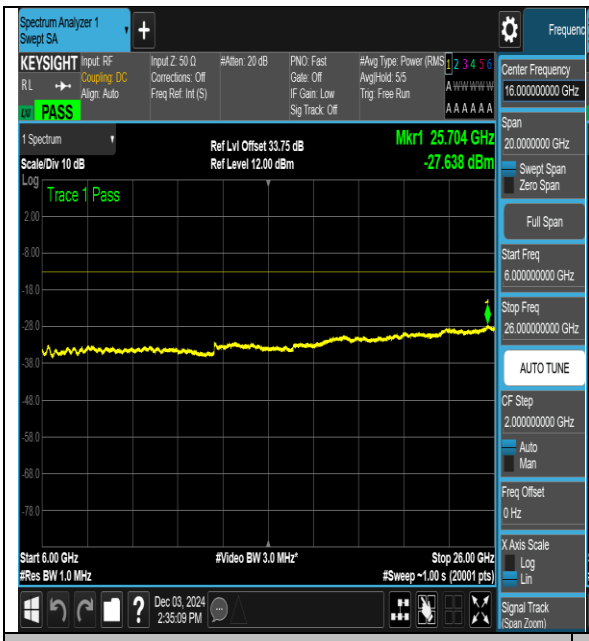
NTNV-N77-3450-3550-PC2-30-100-H-DFT-QPSK-Edge_1RB_Right-30-1000-Ant1-PASS



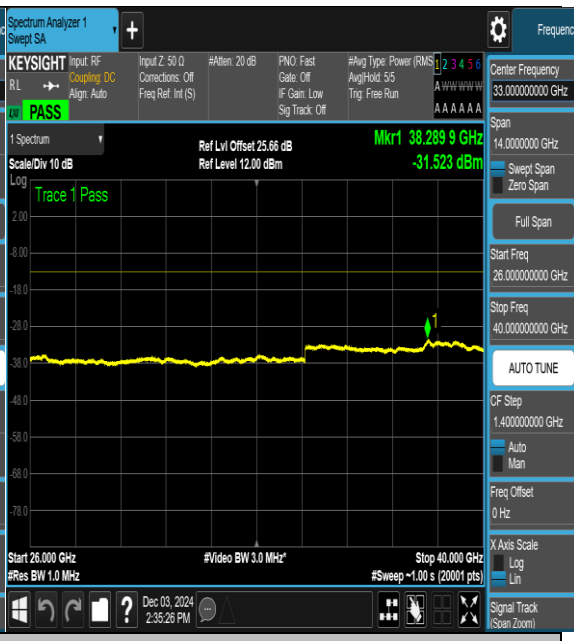
NTNV-N77-3450-3550-PC2-30-100-H-DFT-QPSK-Edge_1RB_Right-1000-3000-Ant1-PASS



NTNV-N77-3450-3550-PC2-30-100-H-DFT-QPSK-Edge_1RB_Right-3000-6000-Ant1-PASS



NTNV-N77-3450-3550-PC2-30-100-H-DFT-QPSK-Edge_1RB_Right-6000-26000-Ant1-PASS



NTNV-N77-3450-3550-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
N77-3450-3550	30	20	DFT-QPSK	L	Outer_Full	VL	NT	4.950000	0.001431	PASS
N77-3450-3550	30	20	DFT-QPSK	L	Outer_Full	VN	NT	-0.770000	-0.000223	PASS
N77-3450-3550	30	20	DFT-QPSK	L	Outer_Full	VH	NT	0.840000	0.000243	PASS
N77-3450-3550	30	20	DFT-16QAM	L	Outer_Full	VL	NT	-6.060000	-0.001751	PASS
N77-3450-3550	30	20	DFT-16QAM	L	Outer_Full	VN	NT	-8.270000	-0.002390	PASS
N77-3450-3550	30	20	DFT-16QAM	L	Outer_Full	VH	NT	-2.530000	-0.000731	PASS
N77-3450-3550	30	20	DFT-QPSK	M	Outer_Full	VL	NT	2.530000	0.000723	PASS
N77-3450-3550	30	20	DFT-QPSK	M	Outer_Full	VN	NT	-1.280000	-0.000366	PASS
N77-3450-3550	30	20	DFT-QPSK	M	Outer_Full	VH	NT	6.310000	0.001803	PASS
N77-3450-3550	30	20	DFT-16QAM	M	Outer_Full	VL	NT	3.960000	0.001131	PASS
N77-3450-3550	30	20	DFT-16QAM	M	Outer_Full	VN	NT	3.080000	0.000880	PASS
N77-3450-3550	30	20	DFT-16QAM	M	Outer_Full	VH	NT	1.330000	0.000380	PASS
N77-3450-3550	30	20	DFT-QPSK	H	Outer_Full	VL	NT	-0.840000	-0.000237	PASS
N77-3450-3550	30	20	DFT-QPSK	H	Outer_Full	VN	NT	-0.300000	-0.000085	PASS
N77-3450-3550	30	20	DFT-QPSK	H	Outer_Full	VH	NT	0.720000	0.000203	PASS
N77-3450-3550	30	20	DFT-16QAM	H	Outer_Full	VL	NT	-0.580000	-0.000164	PASS
N77-345	30	20	DFT-16QAM	H	Outer_Full	VN	NT	2.600000	0.000734	PASS

0-3550										
N77-345 0-3550	30	20	DFT-16QAM	H	Outer_Full	VH	NT	-1.280000	-0.000362	PASS
N77-345 0-3550	30	30	DFT-QPSK	L	Outer_Full	VL	NT	-1.480000	-0.000427	PASS
N77-345 0-3550	30	30	DFT-QPSK	L	Outer_Full	VN	NT	-4.910000	-0.001417	PASS
N77-345 0-3550	30	30	DFT-QPSK	L	Outer_Full	VH	NT	-7.000000	-0.002020	PASS
N77-345 0-3550	30	30	DFT-16QAM	L	Outer_Full	VL	NT	-3.020000	-0.000872	PASS
N77-345 0-3550	30	30	DFT-16QAM	L	Outer_Full	VN	NT	1.640000	0.000473	PASS
N77-345 0-3550	30	30	DFT-16QAM	L	Outer_Full	VH	NT	2.980000	0.000860	PASS
N77-345 0-3550	30	30	DFT-QPSK	M	Outer_Full	VL	NT	-1.180000	-0.000337	PASS
N77-345 0-3550	30	30	DFT-QPSK	M	Outer_Full	VN	NT	0.260000	0.000074	PASS
N77-345 0-3550	30	30	DFT-QPSK	M	Outer_Full	VH	NT	0.580000	0.000166	PASS
N77-345 0-3550	30	30	DFT-16QAM	M	Outer_Full	VL	NT	1.180000	0.000337	PASS
N77-345 0-3550	30	30	DFT-16QAM	M	Outer_Full	VN	NT	-0.990000	-0.000283	PASS
N77-345 0-3550	30	30	DFT-16QAM	M	Outer_Full	VH	NT	0.470000	0.000134	PASS
N77-345 0-3550	30	30	DFT-QPSK	H	Outer_Full	VL	NT	0.730000	0.000207	PASS
N77-345 0-3550	30	30	DFT-QPSK	H	Outer_Full	VN	NT	2.360000	0.000668	PASS
N77-345 0-3550	30	30	DFT-QPSK	H	Outer_Full	VH	NT	1.150000	0.000325	PASS
N77-345 0-3550	30	30	DFT-16QAM	H	Outer_Full	VL	NT	-3.440000	-0.000973	PASS
N77-345 0-3550	30	30	DFT-16QAM	H	Outer_Full	VN	NT	-6.460000	-0.001827	PASS
N77-345 0-3550	30	30	DFT-16QAM	H	Outer_Full	VH	NT	0.130000	0.000037	PASS
N77-345 0-3550	30	40	DFT-QPSK	L	Outer_Full	VL	NT	-1.230000	-0.000354	PASS
N77-345	30	40	DFT-QPSK	L	Outer_Full	VN	NT	-3.720000	-0.001072	PASS

0-3550										
N77-345 0-3550	30	40	DFT-QPSK	L	Outer_Full	VH	NT	-4.370000	-0.001259	PASS
N77-345 0-3550	30	40	DFT-16QAM	L	Outer_Full	VL	NT	-0.270000	-0.000078	PASS
N77-345 0-3550	30	40	DFT-16QAM	L	Outer_Full	VN	NT	1.070000	0.000308	PASS
N77-345 0-3550	30	40	DFT-16QAM	L	Outer_Full	VH	NT	0.380000	0.000110	PASS
N77-345 0-3550	30	40	DFT-QPSK	M	Outer_Full	VL	NT	0.060000	0.000017	PASS
N77-345 0-3550	30	40	DFT-QPSK	M	Outer_Full	VN	NT	-3.590000	-0.001026	PASS
N77-345 0-3550	30	40	DFT-QPSK	M	Outer_Full	VH	NT	-1.150000	-0.000329	PASS
N77-345 0-3550	30	40	DFT-16QAM	M	Outer_Full	VL	NT	-1.620000	-0.000463	PASS
N77-345 0-3550	30	40	DFT-16QAM	M	Outer_Full	VN	NT	-2.620000	-0.000749	PASS
N77-345 0-3550	30	40	DFT-16QAM	M	Outer_Full	VH	NT	1.960000	0.000560	PASS
N77-345 0-3550	30	40	DFT-QPSK	H	Outer_Full	VL	NT	-4.230000	-0.001198	PASS
N77-345 0-3550	30	40	DFT-QPSK	H	Outer_Full	VN	NT	1.860000	0.000527	PASS
N77-345 0-3550	30	40	DFT-QPSK	H	Outer_Full	VH	NT	2.300000	0.000652	PASS
N77-345 0-3550	30	40	DFT-16QAM	H	Outer_Full	VL	NT	-0.730000	-0.000207	PASS
N77-345 0-3550	30	40	DFT-16QAM	H	Outer_Full	VN	NT	-0.230000	-0.000065	PASS
N77-345 0-3550	30	40	DFT-16QAM	H	Outer_Full	VH	NT	5.270000	0.001493	PASS
N77-345 0-3550	30	60	DFT-QPSK	L	Outer_Full	VL	NT	-1.050000	-0.000302	PASS
N77-345 0-3550	30	60	DFT-QPSK	L	Outer_Full	VN	NT	-4.590000	-0.001319	PASS
N77-345 0-3550	30	60	DFT-QPSK	L	Outer_Full	VH	NT	1.340000	0.000385	PASS
N77-345 0-3550	30	60	DFT-16QAM	L	Outer_Full	VL	NT	0.320000	0.000092	PASS
N77-345	30	60	DFT-16QAM	L	Outer_Full	VN	NT	-1.360000	-0.000391	PASS

0-3550										
N77-345 0-3550	30	60	DFT-16QAM	L	Outer_Full	VH	NT	7.040000	0.002023	PASS
N77-345 0-3550	30	60	DFT-QPSK	M	Outer_Full	VL	NT	-1.450000	-0.000414	PASS
N77-345 0-3550	30	60	DFT-QPSK	M	Outer_Full	VN	NT	1.040000	0.000297	PASS
N77-345 0-3550	30	60	DFT-QPSK	M	Outer_Full	VH	NT	0.680000	0.000194	PASS
N77-345 0-3550	30	60	DFT-16QAM	M	Outer_Full	VL	NT	-0.690000	-0.000197	PASS
N77-345 0-3550	30	60	DFT-16QAM	M	Outer_Full	VN	NT	0.800000	0.000229	PASS
N77-345 0-3550	30	60	DFT-16QAM	M	Outer_Full	VH	NT	-0.390000	-0.000111	PASS
N77-345 0-3550	30	60	DFT-QPSK	H	Outer_Full	VL	NT	-1.190000	-0.000338	PASS
N77-345 0-3550	30	60	DFT-QPSK	H	Outer_Full	VN	NT	-1.970000	-0.000560	PASS
N77-345 0-3550	30	60	DFT-QPSK	H	Outer_Full	VH	NT	-3.070000	-0.000872	PASS
N77-345 0-3550	30	60	DFT-16QAM	H	Outer_Full	VL	NT	-4.410000	-0.001253	PASS
N77-345 0-3550	30	60	DFT-16QAM	H	Outer_Full	VN	NT	-0.800000	-0.000227	PASS
N77-345 0-3550	30	60	DFT-16QAM	H	Outer_Full	VH	NT	3.390000	0.000963	PASS
N77-345 0-3550	30	80	DFT-QPSK	L	Outer_Full	VL	NT	-7.350000	-0.002106	PASS
N77-345 0-3550	30	80	DFT-QPSK	L	Outer_Full	VN	NT	-4.680000	-0.001341	PASS
N77-345 0-3550	30	80	DFT-QPSK	L	Outer_Full	VH	NT	-2.650000	-0.000759	PASS
N77-345 0-3550	30	80	DFT-16QAM	L	Outer_Full	VL	NT	-3.370000	-0.000966	PASS
N77-345 0-3550	30	80	DFT-16QAM	L	Outer_Full	VN	NT	-5.930000	-0.001699	PASS
N77-345 0-3550	30	80	DFT-16QAM	L	Outer_Full	VH	NT	-10.060000	-0.002883	PASS
N77-345 0-3550	30	80	DFT-QPSK	M	Outer_Full	VL	NT	4.139999	0.001183	PASS
N77-345	30	80	DFT-QPSK	M	Outer_Full	VN	NT	-4.690000	-0.001340	PASS

0-3550										
N77-345 0-3550	30	80	DFT-QPSK	M	Outer_Full	VH	NT	-2.230000	-0.000637	PASS
N77-345 0-3550	30	80	DFT-16QAM	M	Outer_Full	VL	NT	-0.670000	-0.000191	PASS
N77-345 0-3550	30	80	DFT-16QAM	M	Outer_Full	VN	NT	0.080000	0.000023	PASS
N77-345 0-3550	30	80	DFT-16QAM	M	Outer_Full	VH	NT	2.020000	0.000577	PASS
N77-345 0-3550	30	80	DFT-QPSK	H	Outer_Full	VL	NT	2.390000	0.000681	PASS
N77-345 0-3550	30	80	DFT-QPSK	H	Outer_Full	VN	NT	-2.990000	-0.000852	PASS
N77-345 0-3550	30	80	DFT-QPSK	H	Outer_Full	VH	NT	-2.020000	-0.000575	PASS
N77-345 0-3550	30	80	DFT-16QAM	H	Outer_Full	VL	NT	-0.690000	-0.000197	PASS
N77-345 0-3550	30	80	DFT-16QAM	H	Outer_Full	VN	NT	-4.470000	-0.001274	PASS
N77-345 0-3550	30	80	DFT-16QAM	H	Outer_Full	VH	NT	-5.520000	-0.001573	PASS
N77-345 0-3550	30	100	DFT-QPSK	L	Outer_Full	VL	NT	-6.330000	-0.001809	PASS
N77-345 0-3550	30	100	DFT-QPSK	L	Outer_Full	VN	NT	2.029999	0.000580	PASS
N77-345 0-3550	30	100	DFT-QPSK	L	Outer_Full	VH	NT	-0.180000	-0.000051	PASS
N77-345 0-3550	30	100	DFT-16QAM	L	Outer_Full	VL	NT	0.420000	0.000120	PASS
N77-345 0-3550	30	100	DFT-16QAM	L	Outer_Full	VN	NT	1.360000	0.000389	PASS
N77-345 0-3550	30	100	DFT-16QAM	L	Outer_Full	VH	NT	-2.820000	-0.000806	PASS
N77-345 0-3550	30	100	DFT-QPSK	M	Outer_Full	VL	NT	-1.880000	-0.000537	PASS
N77-345 0-3550	30	100	DFT-QPSK	M	Outer_Full	VN	NT	-3.210000	-0.000917	PASS
N77-345 0-3550	30	100	DFT-QPSK	M	Outer_Full	VH	NT	-2.110000	-0.000603	PASS
N77-345 0-3550	30	100	DFT-16QAM	M	Outer_Full	VL	NT	-2.130000	-0.000609	PASS
N77-345	30	100	DFT-16QAM	M	Outer_Full	VN	NT	1.290000	0.000369	PASS

0-3550										
N77-345 0-3550	30	100	DFT-16QAM	M	Outer_Full	VH	NT	-0.570000	-0.000163	PASS
N77-345 0-3550	30	100	DFT-QPSK	H	Outer_Full	VL	NT	6.970000	0.001991	PASS
N77-345 0-3550	30	100	DFT-QPSK	H	Outer_Full	VN	NT	-2.440000	-0.000697	PASS
N77-345 0-3550	30	100	DFT-QPSK	H	Outer_Full	VH	NT	-3.060000	-0.000874	PASS
N77-345 0-3550	30	100	DFT-16QAM	H	Outer_Full	VL	NT	1.990000	0.000569	PASS
N77-345 0-3550	30	100	DFT-16QAM	H	Outer_Full	VN	NT	4.380000	0.001251	PASS
N77-345 0-3550	30	100	DFT-16QAM	H	Outer_Full	VH	NT	3.280000	0.000937	PASS

Frequency Error VS. Temperature

Voltage										
Band	SCS	Bandwidth	Modulation	Channel	RB Config	Voltage	Temperature	Deviation(Hz)	Deviation (ppm)	Verdict
N77-345 0-3550	30	20	DFT-QPSK	L	Outer_Full	NV	-30	-0.990000	-0.000286	PASS
N77-345 0-3550	30	20	DFT-QPSK	L	Outer_Full	NV	-20	0.930000	0.000269	PASS
N77-345 0-3550	30	20	DFT-QPSK	L	Outer_Full	NV	-10	2.920000	0.000844	PASS
N77-345 0-3550	30	20	DFT-QPSK	L	Outer_Full	NV	0	4.650000	0.001344	PASS
N77-345 0-3550	30	20	DFT-QPSK	L	Outer_Full	NV	10	3.310000	0.000957	PASS
N77-345 0-3550	30	20	DFT-QPSK	L	Outer_Full	NV	20	-4.660000	-0.001347	PASS
N77-345 0-3550	30	20	DFT-QPSK	L	Outer_Full	NV	30	-1.090000	-0.000315	PASS
N77-345 0-3550	30	20	DFT-QPSK	L	Outer_Full	NV	40	-1.310000	-0.000379	PASS
N77-345 0-3550	30	20	DFT-QPSK	L	Outer_Full	NV	50	-1.100000	-0.000318	PASS
N77-345 0-3550	30	20	DFT-16QAM	L	Outer_Full	NV	-30	3.140000	0.000908	PASS
N77-345	30	20	DFT-16QAM	L	Outer_Full	NV	-20	-1.140000	-0.000329	PASS

0-3550										
N77-345 0-3550	30	20	DFT-16QAM	L	Outer_Full	NV	-10	1.330000	0.000384	PASS
N77-345 0-3550	30	20	DFT-16QAM	L	Outer_Full	NV	0	1.550000	0.000448	PASS
N77-345 0-3550	30	20	DFT-16QAM	L	Outer_Full	NV	10	-5.820000	-0.001682	PASS
N77-345 0-3550	30	20	DFT-16QAM	L	Outer_Full	NV	20	-2.420000	-0.000699	PASS
N77-345 0-3550	30	20	DFT-16QAM	L	Outer_Full	NV	30	2.940000	0.000850	PASS
N77-345 0-3550	30	20	DFT-16QAM	L	Outer_Full	NV	40	0.310000	0.000090	PASS
N77-345 0-3550	30	20	DFT-16QAM	L	Outer_Full	NV	50	2.490000	0.000720	PASS
N77-345 0-3550	30	20	DFT-QPSK	M	Outer_Full	NV	-30	8.900000	0.002543	PASS
N77-345 0-3550	30	20	DFT-QPSK	M	Outer_Full	NV	-20	8.930000	0.002551	PASS
N77-345 0-3550	30	20	DFT-QPSK	M	Outer_Full	NV	-10	1.490000	0.000426	PASS
N77-345 0-3550	30	20	DFT-QPSK	M	Outer_Full	NV	0	0.070000	0.000020	PASS
N77-345 0-3550	30	20	DFT-QPSK	M	Outer_Full	NV	10	2.350000	0.000671	PASS
N77-345 0-3550	30	20	DFT-QPSK	M	Outer_Full	NV	20	4.980000	0.001423	PASS
N77-345 0-3550	30	20	DFT-QPSK	M	Outer_Full	NV	30	-0.660000	-0.000189	PASS
N77-345 0-3550	30	20	DFT-QPSK	M	Outer_Full	NV	40	5.890000	0.001683	PASS
N77-345 0-3550	30	20	DFT-QPSK	M	Outer_Full	NV	50	11.300000	0.003229	PASS
N77-345 0-3550	30	20	DFT-16QAM	M	Outer_Full	NV	-30	-1.720000	-0.000491	PASS
N77-345 0-3550	30	20	DFT-16QAM	M	Outer_Full	NV	-20	0.140000	0.000040	PASS
N77-345 0-3550	30	20	DFT-16QAM	M	Outer_Full	NV	-10	-2.560000	-0.000731	PASS
N77-345 0-3550	30	20	DFT-16QAM	M	Outer_Full	NV	0	3.770000	0.001077	PASS
N77-345	30	20	DFT-16QAM	M	Outer_Full	NV	10	-3.480000	-0.000994	PASS

0-3550										
N77-345 0-3550	30	20	DFT-16QAM	M	Outer_Full	NV	20	3.890000	0.001111	PASS
N77-345 0-3550	30	20	DFT-16QAM	M	Outer_Full	NV	30	5.010000	0.001431	PASS
N77-345 0-3550	30	20	DFT-16QAM	M	Outer_Full	NV	40	3.140000	0.000897	PASS
N77-345 0-3550	30	20	DFT-16QAM	M	Outer_Full	NV	50	4.099999	0.001171	PASS
N77-345 0-3550	30	20	DFT-QPSK	H	Outer_Full	NV	-30	4.130000	0.001167	PASS
N77-345 0-3550	30	20	DFT-QPSK	H	Outer_Full	NV	-20	5.180000	0.001463	PASS
N77-345 0-3550	30	20	DFT-QPSK	H	Outer_Full	NV	-10	7.450000	0.002105	PASS
N77-345 0-3550	30	20	DFT-QPSK	H	Outer_Full	NV	0	4.139999	0.001169	PASS
N77-345 0-3550	30	20	DFT-QPSK	H	Outer_Full	NV	10	-2.400000	-0.000678	PASS
N77-345 0-3550	30	20	DFT-QPSK	H	Outer_Full	NV	20	-0.790000	-0.000223	PASS
N77-345 0-3550	30	20	DFT-QPSK	H	Outer_Full	NV	30	1.580000	0.000446	PASS
N77-345 0-3550	30	20	DFT-QPSK	H	Outer_Full	NV	40	-1.330000	-0.000376	PASS
N77-345 0-3550	30	20	DFT-QPSK	H	Outer_Full	NV	50	1.670000	0.000472	PASS
N77-345 0-3550	30	20	DFT-16QAM	H	Outer_Full	NV	-30	-0.580000	-0.000164	PASS
N77-345 0-3550	30	20	DFT-16QAM	H	Outer_Full	NV	-20	-3.190000	-0.000901	PASS
N77-345 0-3550	30	20	DFT-16QAM	H	Outer_Full	NV	-10	3.040000	0.000859	PASS
N77-345 0-3550	30	20	DFT-16QAM	H	Outer_Full	NV	0	1.090000	0.000308	PASS
N77-345 0-3550	30	20	DFT-16QAM	H	Outer_Full	NV	10	-1.740000	-0.000492	PASS
N77-345 0-3550	30	20	DFT-16QAM	H	Outer_Full	NV	20	3.480000	0.000982	PASS
N77-345 0-3550	30	20	DFT-16QAM	H	Outer_Full	NV	30	3.190000	0.000901	PASS
N77-345	30	20	DFT-16QAM	H	Outer_Full	NV	40	1.100000	0.000311	PASS

0-3550										
N77-345 0-3550	30	20	DFT-16QAM	H	Outer_Full	NV	50	0.890000	0.000250	PASS
N77-345 0-3550	30	30	DFT-QPSK	L	Outer_Full	NV	-30	0.140000	0.000040	PASS
N77-345 0-3550	30	30	DFT-QPSK	L	Outer_Full	NV	-20	3.080000	0.000889	PASS
N77-345 0-3550	30	30	DFT-QPSK	L	Outer_Full	NV	-10	-2.850000	-0.000823	PASS
N77-345 0-3550	30	30	DFT-QPSK	L	Outer_Full	NV	0	-2.040000	-0.000589	PASS
N77-345 0-3550	30	30	DFT-QPSK	L	Outer_Full	NV	10	-3.050000	-0.000880	PASS
N77-345 0-3550	30	30	DFT-QPSK	L	Outer_Full	NV	20	2.100000	0.000606	PASS
N77-345 0-3550	30	30	DFT-QPSK	L	Outer_Full	NV	30	-2.750000	-0.000794	PASS
N77-345 0-3550	30	30	DFT-QPSK	L	Outer_Full	NV	40	0.670000	0.000193	PASS
N77-345 0-3550	30	30	DFT-QPSK	L	Outer_Full	NV	50	0.720000	0.000208	PASS
N77-345 0-3550	30	30	DFT-16QAM	L	Outer_Full	NV	-30	-3.460000	-0.000999	PASS
N77-345 0-3550	30	30	DFT-16QAM	L	Outer_Full	NV	-20	-3.460000	-0.000999	PASS
N77-345 0-3550	30	30	DFT-16QAM	L	Outer_Full	NV	-10	2.540000	0.000733	PASS
N77-345 0-3550	30	30	DFT-16QAM	L	Outer_Full	NV	0	-0.840000	-0.000242	PASS
N77-345 0-3550	30	30	DFT-16QAM	L	Outer_Full	NV	10	-3.270000	-0.000944	PASS
N77-345 0-3550	30	30	DFT-16QAM	L	Outer_Full	NV	20	-7.050000	-0.002035	PASS
N77-345 0-3550	30	30	DFT-16QAM	L	Outer_Full	NV	30	-3.250000	-0.000938	PASS
N77-345 0-3550	30	30	DFT-16QAM	L	Outer_Full	NV	40	4.680000	0.001351	PASS
N77-345 0-3550	30	30	DFT-16QAM	L	Outer_Full	NV	50	2.540000	0.000733	PASS
N77-345 0-3550	30	30	DFT-QPSK	M	Outer_Full	NV	-30	-0.640000	-0.000183	PASS
N77-345	30	30	DFT-QPSK	M	Outer_Full	NV	-20	2.270000	0.000649	PASS

0-3550										
N77-345 0-3550	30	30	DFT-QPSK	M	Outer_Full	NV	-10	-4.680000	-0.001337	PASS
N77-345 0-3550	30	30	DFT-QPSK	M	Outer_Full	NV	0	-2.210000	-0.000631	PASS
N77-345 0-3550	30	30	DFT-QPSK	M	Outer_Full	NV	10	1.570000	0.000449	PASS
N77-345 0-3550	30	30	DFT-QPSK	M	Outer_Full	NV	20	2.710000	0.000774	PASS
N77-345 0-3550	30	30	DFT-QPSK	M	Outer_Full	NV	30	-2.610000	-0.000746	PASS
N77-345 0-3550	30	30	DFT-QPSK	M	Outer_Full	NV	40	-0.900000	-0.000257	PASS
N77-345 0-3550	30	30	DFT-QPSK	M	Outer_Full	NV	50	2.140000	0.000611	PASS
N77-345 0-3550	30	30	DFT-16QAM	M	Outer_Full	NV	-30	-3.130000	-0.000894	PASS
N77-345 0-3550	30	30	DFT-16QAM	M	Outer_Full	NV	-20	-1.310000	-0.000374	PASS
N77-345 0-3550	30	30	DFT-16QAM	M	Outer_Full	NV	-10	5.240000	0.001497	PASS
N77-345 0-3550	30	30	DFT-16QAM	M	Outer_Full	NV	0	4.450000	0.001271	PASS
N77-345 0-3550	30	30	DFT-16QAM	M	Outer_Full	NV	10	-0.450000	-0.000129	PASS
N77-345 0-3550	30	30	DFT-16QAM	M	Outer_Full	NV	20	-1.330000	-0.000380	PASS
N77-345 0-3550	30	30	DFT-16QAM	M	Outer_Full	NV	30	-9.000000	-0.002571	PASS
N77-345 0-3550	30	30	DFT-16QAM	M	Outer_Full	NV	40	0.050000	0.000014	PASS
N77-345 0-3550	30	30	DFT-16QAM	M	Outer_Full	NV	50	9.470000	0.002706	PASS
N77-345 0-3550	30	30	DFT-QPSK	H	Outer_Full	NV	-30	0.070000	0.000020	PASS
N77-345 0-3550	30	30	DFT-QPSK	H	Outer_Full	NV	-20	-4.360000	-0.001233	PASS
N77-345 0-3550	30	30	DFT-QPSK	H	Outer_Full	NV	-10	-3.430000	-0.000970	PASS
N77-345 0-3550	30	30	DFT-QPSK	H	Outer_Full	NV	0	-1.660000	-0.000470	PASS
N77-345	30	30	DFT-QPSK	H	Outer_Full	NV	10	-3.420000	-0.000967	PASS

0-3550										
N77-345 0-3550	30	30	DFT-QPSK	H	Outer_Full	NV	20	-4.300000	-0.001216	PASS
N77-345 0-3550	30	30	DFT-QPSK	H	Outer_Full	NV	30	-1.950000	-0.000552	PASS
N77-345 0-3550	30	30	DFT-QPSK	H	Outer_Full	NV	40	-2.220000	-0.000628	PASS
N77-345 0-3550	30	30	DFT-QPSK	H	Outer_Full	NV	50	1.320000	0.000373	PASS
N77-345 0-3550	30	30	DFT-16QAM	H	Outer_Full	NV	-30	1.010000	0.000286	PASS
N77-345 0-3550	30	30	DFT-16QAM	H	Outer_Full	NV	-20	6.180000	0.001748	PASS
N77-345 0-3550	30	30	DFT-16QAM	H	Outer_Full	NV	-10	-0.770000	-0.000218	PASS
N77-345 0-3550	30	30	DFT-16QAM	H	Outer_Full	NV	0	0.800000	0.000226	PASS
N77-345 0-3550	30	30	DFT-16QAM	H	Outer_Full	NV	10	-7.610000	-0.002153	PASS
N77-345 0-3550	30	30	DFT-16QAM	H	Outer_Full	NV	20	-1.970000	-0.000557	PASS
N77-345 0-3550	30	30	DFT-16QAM	H	Outer_Full	NV	30	-3.160000	-0.000894	PASS
N77-345 0-3550	30	30	DFT-16QAM	H	Outer_Full	NV	40	-6.890000	-0.001949	PASS
N77-345 0-3550	30	30	DFT-16QAM	H	Outer_Full	NV	50	-0.530000	-0.000150	PASS
N77-345 0-3550	30	40	DFT-QPSK	L	Outer_Full	NV	-30	5.640000	0.001625	PASS
N77-345 0-3550	30	40	DFT-QPSK	L	Outer_Full	NV	-20	0.590000	0.000170	PASS
N77-345 0-3550	30	40	DFT-QPSK	L	Outer_Full	NV	-10	4.059999	0.001170	PASS
N77-345 0-3550	30	40	DFT-QPSK	L	Outer_Full	NV	0	-1.260000	-0.000363	PASS
N77-345 0-3550	30	40	DFT-QPSK	L	Outer_Full	NV	10	-3.300000	-0.000951	PASS
N77-345 0-3550	30	40	DFT-QPSK	L	Outer_Full	NV	20	-2.720000	-0.000784	PASS
N77-345 0-3550	30	40	DFT-QPSK	L	Outer_Full	NV	30	5.800000	0.001671	PASS
N77-345	30	40	DFT-QPSK	L	Outer_Full	NV	40	6.690000	0.001928	PASS

0-3550										
N77-345 0-3550	30	40	DFT-QPSK	L	Outer_Full	NV	50	1.410000	0.000406	PASS
N77-345 0-3550	30	40	DFT-16QAM	L	Outer_Full	NV	-30	-3.320000	-0.000957	PASS
N77-345 0-3550	30	40	DFT-16QAM	L	Outer_Full	NV	-20	4.010000	0.001156	PASS
N77-345 0-3550	30	40	DFT-16QAM	L	Outer_Full	NV	-10	-0.730000	-0.000210	PASS
N77-345 0-3550	30	40	DFT-16QAM	L	Outer_Full	NV	0	3.110000	0.000896	PASS
N77-345 0-3550	30	40	DFT-16QAM	L	Outer_Full	NV	10	-1.450000	-0.000418	PASS
N77-345 0-3550	30	40	DFT-16QAM	L	Outer_Full	NV	20	3.300000	0.000951	PASS
N77-345 0-3550	30	40	DFT-16QAM	L	Outer_Full	NV	30	0.280000	0.000081	PASS
N77-345 0-3550	30	40	DFT-16QAM	L	Outer_Full	NV	40	-2.330000	-0.000671	PASS
N77-345 0-3550	30	40	DFT-16QAM	L	Outer_Full	NV	50	-5.820000	-0.001677	PASS
N77-345 0-3550	30	40	DFT-QPSK	M	Outer_Full	NV	-30	-0.790000	-0.000226	PASS
N77-345 0-3550	30	40	DFT-QPSK	M	Outer_Full	NV	-20	-1.690000	-0.000483	PASS
N77-345 0-3550	30	40	DFT-QPSK	M	Outer_Full	NV	-10	0.070000	0.000020	PASS
N77-345 0-3550	30	40	DFT-QPSK	M	Outer_Full	NV	0	-0.230000	-0.000066	PASS
N77-345 0-3550	30	40	DFT-QPSK	M	Outer_Full	NV	10	0.220000	0.000063	PASS
N77-345 0-3550	30	40	DFT-QPSK	M	Outer_Full	NV	20	-1.960000	-0.000560	PASS
N77-345 0-3550	30	40	DFT-QPSK	M	Outer_Full	NV	30	-3.400000	-0.000971	PASS
N77-345 0-3550	30	40	DFT-QPSK	M	Outer_Full	NV	40	-2.440000	-0.000697	PASS
N77-345 0-3550	30	40	DFT-QPSK	M	Outer_Full	NV	50	-0.850000	-0.000243	PASS
N77-345 0-3550	30	40	DFT-16QAM	M	Outer_Full	NV	-30	-4.710000	-0.001346	PASS
N77-345	30	40	DFT-16QAM	M	Outer_Full	NV	-20	3.270000	0.000934	PASS

0-3550										
N77-345 0-3550	30	40	DFT-16QAM	M	Outer_Full	NV	-10	-4.860000	-0.001389	PASS
N77-345 0-3550	30	40	DFT-16QAM	M	Outer_Full	NV	0	0.630000	0.000180	PASS
N77-345 0-3550	30	40	DFT-16QAM	M	Outer_Full	NV	10	1.670000	0.000477	PASS
N77-345 0-3550	30	40	DFT-16QAM	M	Outer_Full	NV	20	-2.720000	-0.000777	PASS
N77-345 0-3550	30	40	DFT-16QAM	M	Outer_Full	NV	30	-1.270000	-0.000363	PASS
N77-345 0-3550	30	40	DFT-16QAM	M	Outer_Full	NV	40	-0.770000	-0.000220	PASS
N77-345 0-3550	30	40	DFT-16QAM	M	Outer_Full	NV	50	-5.710000	-0.001631	PASS
N77-345 0-3550	30	40	DFT-QPSK	H	Outer_Full	NV	-30	-3.890000	-0.001102	PASS
N77-345 0-3550	30	40	DFT-QPSK	H	Outer_Full	NV	-20	0.650000	0.000184	PASS
N77-345 0-3550	30	40	DFT-QPSK	H	Outer_Full	NV	-10	-0.150000	-0.000042	PASS
N77-345 0-3550	30	40	DFT-QPSK	H	Outer_Full	NV	0	-0.070000	-0.000020	PASS
N77-345 0-3550	30	40	DFT-QPSK	H	Outer_Full	NV	10	3.590000	0.001016	PASS
N77-345 0-3550	30	40	DFT-QPSK	H	Outer_Full	NV	20	3.300000	0.000935	PASS
N77-345 0-3550	30	40	DFT-QPSK	H	Outer_Full	NV	30	2.580000	0.000731	PASS
N77-345 0-3550	30	40	DFT-QPSK	H	Outer_Full	NV	40	-0.950000	-0.000269	PASS
N77-345 0-3550	30	40	DFT-QPSK	H	Outer_Full	NV	50	1.790000	0.000506	PASS
N77-345 0-3550	30	40	DFT-16QAM	H	Outer_Full	NV	-30	2.670000	0.000756	PASS
N77-345 0-3550	30	40	DFT-16QAM	H	Outer_Full	NV	-20	0.000000	0.000000	PASS
N77-345 0-3550	30	40	DFT-16QAM	H	Outer_Full	NV	-10	1.360000	0.000385	PASS
N77-345 0-3550	30	40	DFT-16QAM	H	Outer_Full	NV	0	0.790000	0.000224	PASS
N77-345	30	40	DFT-16QAM	H	Outer_Full	NV	10	2.310000	0.000654	PASS

0-3550										
N77-345 0-3550	30	40	DFT-16QAM	H	Outer_Full	NV	20	-0.900000	-0.000255	PASS
N77-345 0-3550	30	40	DFT-16QAM	H	Outer_Full	NV	30	-2.069999	-0.000586	PASS
N77-345 0-3550	30	40	DFT-16QAM	H	Outer_Full	NV	40	-3.700000	-0.001048	PASS
N77-345 0-3550	30	40	DFT-16QAM	H	Outer_Full	NV	50	0.040000	0.000011	PASS
N77-345 0-3550	30	60	DFT-QPSK	L	Outer_Full	NV	-30	2.960000	0.000851	PASS
N77-345 0-3550	30	60	DFT-QPSK	L	Outer_Full	NV	-20	-1.720000	-0.000494	PASS
N77-345 0-3550	30	60	DFT-QPSK	L	Outer_Full	NV	-10	0.890000	0.000256	PASS
N77-345 0-3550	30	60	DFT-QPSK	L	Outer_Full	NV	0	-3.230000	-0.000928	PASS
N77-345 0-3550	30	60	DFT-QPSK	L	Outer_Full	NV	10	-0.820000	-0.000236	PASS
N77-345 0-3550	30	60	DFT-QPSK	L	Outer_Full	NV	20	-1.760000	-0.000506	PASS
N77-345 0-3550	30	60	DFT-QPSK	L	Outer_Full	NV	30	-1.230000	-0.000353	PASS
N77-345 0-3550	30	60	DFT-QPSK	L	Outer_Full	NV	40	1.020000	0.000293	PASS
N77-345 0-3550	30	60	DFT-QPSK	L	Outer_Full	NV	50	1.890000	0.000543	PASS
N77-345 0-3550	30	60	DFT-16QAM	L	Outer_Full	NV	-30	-3.820000	-0.001098	PASS
N77-345 0-3550	30	60	DFT-16QAM	L	Outer_Full	NV	-20	2.860000	0.000822	PASS
N77-345 0-3550	30	60	DFT-16QAM	L	Outer_Full	NV	-10	4.910000	0.001411	PASS
N77-345 0-3550	30	60	DFT-16QAM	L	Outer_Full	NV	0	-0.520000	-0.000149	PASS
N77-345 0-3550	30	60	DFT-16QAM	L	Outer_Full	NV	10	-7.890000	-0.002267	PASS
N77-345 0-3550	30	60	DFT-16QAM	L	Outer_Full	NV	20	3.200000	0.000920	PASS
N77-345 0-3550	30	60	DFT-16QAM	L	Outer_Full	NV	30	0.620000	0.000178	PASS
N77-345	30	60	DFT-16QAM	L	Outer_Full	NV	40	2.390000	0.000687	PASS

0-3550										
N77-345 0-3550	30	60	DFT-16QAM	L	Outer_Full	NV	50	0.150000	0.000043	PASS
N77-345 0-3550	30	60	DFT-QPSK	M	Outer_Full	NV	-30	1.590000	0.000454	PASS
N77-345 0-3550	30	60	DFT-QPSK	M	Outer_Full	NV	-20	1.710000	0.000488	PASS
N77-345 0-3550	30	60	DFT-QPSK	M	Outer_Full	NV	-10	-1.920000	-0.000549	PASS
N77-345 0-3550	30	60	DFT-QPSK	M	Outer_Full	NV	0	0.590000	0.000169	PASS
N77-345 0-3550	30	60	DFT-QPSK	M	Outer_Full	NV	10	2.420000	0.000691	PASS
N77-345 0-3550	30	60	DFT-QPSK	M	Outer_Full	NV	20	0.950000	0.000271	PASS
N77-345 0-3550	30	60	DFT-QPSK	M	Outer_Full	NV	30	-2.089999	-0.000597	PASS
N77-345 0-3550	30	60	DFT-QPSK	M	Outer_Full	NV	40	-0.440000	-0.000126	PASS
N77-345 0-3550	30	60	DFT-QPSK	M	Outer_Full	NV	50	0.650000	0.000186	PASS
N77-345 0-3550	30	60	DFT-16QAM	M	Outer_Full	NV	-30	2.180000	0.000623	PASS
N77-345 0-3550	30	60	DFT-16QAM	M	Outer_Full	NV	-20	-0.560000	-0.000160	PASS
N77-345 0-3550	30	60	DFT-16QAM	M	Outer_Full	NV	-10	-3.700000	-0.001057	PASS
N77-345 0-3550	30	60	DFT-16QAM	M	Outer_Full	NV	0	-1.240000	-0.000354	PASS
N77-345 0-3550	30	60	DFT-16QAM	M	Outer_Full	NV	10	1.220000	0.000349	PASS
N77-345 0-3550	30	60	DFT-16QAM	M	Outer_Full	NV	20	-0.260000	-0.000074	PASS
N77-345 0-3550	30	60	DFT-16QAM	M	Outer_Full	NV	30	-3.200000	-0.000914	PASS
N77-345 0-3550	30	60	DFT-16QAM	M	Outer_Full	NV	40	-1.390000	-0.000397	PASS
N77-345 0-3550	30	60	DFT-16QAM	M	Outer_Full	NV	50	-3.690000	-0.001054	PASS
N77-345 0-3550	30	60	DFT-QPSK	H	Outer_Full	NV	-30	-2.020000	-0.000574	PASS
N77-345	30	60	DFT-QPSK	H	Outer_Full	NV	-20	2.800000	0.000795	PASS

0-3550										
N77-345 0-3550	30	60	DFT-QPSK	H	Outer_Full	NV	-10	0.860000	0.000244	PASS
N77-345 0-3550	30	60	DFT-QPSK	H	Outer_Full	NV	0	-3.610000	-0.001026	PASS
N77-345 0-3550	30	60	DFT-QPSK	H	Outer_Full	NV	10	-5.100000	-0.001449	PASS
N77-345 0-3550	30	60	DFT-QPSK	H	Outer_Full	NV	20	-4.820000	-0.001369	PASS
N77-345 0-3550	30	60	DFT-QPSK	H	Outer_Full	NV	30	-0.670000	-0.000190	PASS
N77-345 0-3550	30	60	DFT-QPSK	H	Outer_Full	NV	40	-9.850000	-0.002798	PASS
N77-345 0-3550	30	60	DFT-QPSK	H	Outer_Full	NV	50	-5.760000	-0.001636	PASS
N77-345 0-3550	30	60	DFT-16QAM	H	Outer_Full	NV	-30	2.690000	0.000764	PASS
N77-345 0-3550	30	60	DFT-16QAM	H	Outer_Full	NV	-20	-3.090000	-0.000878	PASS
N77-345 0-3550	30	60	DFT-16QAM	H	Outer_Full	NV	-10	-7.560000	-0.002148	PASS
N77-345 0-3550	30	60	DFT-16QAM	H	Outer_Full	NV	0	-2.550000	-0.000724	PASS
N77-345 0-3550	30	60	DFT-16QAM	H	Outer_Full	NV	10	-4.920000	-0.001398	PASS
N77-345 0-3550	30	60	DFT-16QAM	H	Outer_Full	NV	20	3.100000	0.000881	PASS
N77-345 0-3550	30	60	DFT-16QAM	H	Outer_Full	NV	30	-4.120000	-0.001170	PASS
N77-345 0-3550	30	60	DFT-16QAM	H	Outer_Full	NV	40	-5.970000	-0.001696	PASS
N77-345 0-3550	30	60	DFT-16QAM	H	Outer_Full	NV	50	-4.770000	-0.001355	PASS
N77-345 0-3550	30	80	DFT-QPSK	L	Outer_Full	NV	-30	-6.660000	-0.001908	PASS
N77-345 0-3550	30	80	DFT-QPSK	L	Outer_Full	NV	-20	-0.300000	-0.000086	PASS
N77-345 0-3550	30	80	DFT-QPSK	L	Outer_Full	NV	-10	-7.590000	-0.002175	PASS
N77-345 0-3550	30	80	DFT-QPSK	L	Outer_Full	NV	0	-3.340000	-0.000957	PASS
N77-345	30	80	DFT-QPSK	L	Outer_Full	NV	10	0.490000	0.000140	PASS

0-3550										
N77-345 0-3550	30	80	DFT-QPSK	L	Outer_Full	NV	20	-0.180000	-0.000052	PASS
N77-345 0-3550	30	80	DFT-QPSK	L	Outer_Full	NV	30	-4.260000	-0.001221	PASS
N77-345 0-3550	30	80	DFT-QPSK	L	Outer_Full	NV	40	-4.880000	-0.001398	PASS
N77-345 0-3550	30	80	DFT-QPSK	L	Outer_Full	NV	50	-4.980000	-0.001427	PASS
N77-345 0-3550	30	80	DFT-16QAM	L	Outer_Full	NV	-30	-2.460000	-0.000705	PASS
N77-345 0-3550	30	80	DFT-16QAM	L	Outer_Full	NV	-20	-3.410000	-0.000977	PASS
N77-345 0-3550	30	80	DFT-16QAM	L	Outer_Full	NV	-10	-1.610000	-0.000461	PASS
N77-345 0-3550	30	80	DFT-16QAM	L	Outer_Full	NV	0	-0.120000	-0.000034	PASS
N77-345 0-3550	30	80	DFT-16QAM	L	Outer_Full	NV	10	1.930000	0.000553	PASS
N77-345 0-3550	30	80	DFT-16QAM	L	Outer_Full	NV	20	1.750000	0.000501	PASS
N77-345 0-3550	30	80	DFT-16QAM	L	Outer_Full	NV	30	-5.900000	-0.001691	PASS
N77-345 0-3550	30	80	DFT-16QAM	L	Outer_Full	NV	40	-2.360000	-0.000676	PASS
N77-345 0-3550	30	80	DFT-16QAM	L	Outer_Full	NV	50	-3.320000	-0.000951	PASS
N77-345 0-3550	30	80	DFT-QPSK	M	Outer_Full	NV	-30	5.830000	0.001666	PASS
N77-345 0-3550	30	80	DFT-QPSK	M	Outer_Full	NV	-20	-1.100000	-0.000314	PASS
N77-345 0-3550	30	80	DFT-QPSK	M	Outer_Full	NV	-10	-5.620000	-0.001606	PASS
N77-345 0-3550	30	80	DFT-QPSK	M	Outer_Full	NV	0	-4.580000	-0.001309	PASS
N77-345 0-3550	30	80	DFT-QPSK	M	Outer_Full	NV	10	1.180000	0.000337	PASS
N77-345 0-3550	30	80	DFT-QPSK	M	Outer_Full	NV	20	-0.530000	-0.000151	PASS
N77-345 0-3550	30	80	DFT-QPSK	M	Outer_Full	NV	30	-2.049999	-0.000586	PASS
N77-345	30	80	DFT-QPSK	M	Outer_Full	NV	40	-0.610000	-0.000174	PASS

0-3550										
N77-345 0-3550	30	80	DFT-QPSK	M	Outer_Full	NV	50	0.490000	0.000140	PASS
N77-345 0-3550	30	80	DFT-16QAM	M	Outer_Full	NV	-30	2.020000	0.000577	PASS
N77-345 0-3550	30	80	DFT-16QAM	M	Outer_Full	NV	-20	-2.720000	-0.000777	PASS
N77-345 0-3550	30	80	DFT-16QAM	M	Outer_Full	NV	-10	-4.390000	-0.001254	PASS
N77-345 0-3550	30	80	DFT-16QAM	M	Outer_Full	NV	0	-2.220000	-0.000634	PASS
N77-345 0-3550	30	80	DFT-16QAM	M	Outer_Full	NV	10	-5.770000	-0.001649	PASS
N77-345 0-3550	30	80	DFT-16QAM	M	Outer_Full	NV	20	5.450000	0.001557	PASS
N77-345 0-3550	30	80	DFT-16QAM	M	Outer_Full	NV	30	2.110000	0.000603	PASS
N77-345 0-3550	30	80	DFT-16QAM	M	Outer_Full	NV	40	3.340000	0.000954	PASS
N77-345 0-3550	30	80	DFT-16QAM	M	Outer_Full	NV	50	-3.810000	-0.001089	PASS
N77-345 0-3550	30	80	DFT-QPSK	H	Outer_Full	NV	-30	-10.040000	-0.002860	PASS
N77-345 0-3550	30	80	DFT-QPSK	H	Outer_Full	NV	-20	-0.780000	-0.000222	PASS
N77-345 0-3550	30	80	DFT-QPSK	H	Outer_Full	NV	-10	-0.480000	-0.000137	PASS
N77-345 0-3550	30	80	DFT-QPSK	H	Outer_Full	NV	0	-3.280000	-0.000934	PASS
N77-345 0-3550	30	80	DFT-QPSK	H	Outer_Full	NV	10	0.140000	0.000040	PASS
N77-345 0-3550	30	80	DFT-QPSK	H	Outer_Full	NV	20	-4.880000	-0.001390	PASS
N77-345 0-3550	30	80	DFT-QPSK	H	Outer_Full	NV	30	3.500000	0.000997	PASS
N77-345 0-3550	30	80	DFT-QPSK	H	Outer_Full	NV	40	-0.590000	-0.000168	PASS
N77-345 0-3550	30	80	DFT-QPSK	H	Outer_Full	NV	50	-0.310000	-0.000088	PASS
N77-345 0-3550	30	80	DFT-16QAM	H	Outer_Full	NV	-30	-1.030000	-0.000293	PASS
N77-345	30	80	DFT-16QAM	H	Outer_Full	NV	-20	3.490000	0.000994	PASS

0-3550										
N77-345 0-3550	30	80	DFT-16QAM	H	Outer_Full	NV	-10	-1.100000	-0.000313	PASS
N77-345 0-3550	30	80	DFT-16QAM	H	Outer_Full	NV	0	2.570000	0.000732	PASS
N77-345 0-3550	30	80	DFT-16QAM	H	Outer_Full	NV	10	-3.920000	-0.001117	PASS
N77-345 0-3550	30	80	DFT-16QAM	H	Outer_Full	NV	20	-2.380000	-0.000678	PASS
N77-345 0-3550	30	80	DFT-16QAM	H	Outer_Full	NV	30	1.490000	0.000425	PASS
N77-345 0-3550	30	80	DFT-16QAM	H	Outer_Full	NV	40	-1.020000	-0.000291	PASS
N77-345 0-3550	30	80	DFT-16QAM	H	Outer_Full	NV	50	-4.130000	-0.001177	PASS
N77-345 0-3550	30	100	DFT-QPSK	L	Outer_Full	NV	-30	4.840000	0.001383	PASS
N77-345 0-3550	30	100	DFT-QPSK	L	Outer_Full	NV	-20	-6.650000	-0.001900	PASS
N77-345 0-3550	30	100	DFT-QPSK	L	Outer_Full	NV	-10	-4.540000	-0.001297	PASS
N77-345 0-3550	30	100	DFT-QPSK	L	Outer_Full	NV	0	0.900000	0.000257	PASS
N77-345 0-3550	30	100	DFT-QPSK	L	Outer_Full	NV	10	-1.530000	-0.000437	PASS
N77-345 0-3550	30	100	DFT-QPSK	L	Outer_Full	NV	20	2.640000	0.000754	PASS
N77-345 0-3550	30	100	DFT-QPSK	L	Outer_Full	NV	30	-3.940000	-0.001126	PASS
N77-345 0-3550	30	100	DFT-QPSK	L	Outer_Full	NV	40	-6.820000	-0.001949	PASS
N77-345 0-3550	30	100	DFT-QPSK	L	Outer_Full	NV	50	-0.970000	-0.000277	PASS
N77-345 0-3550	30	100	DFT-16QAM	L	Outer_Full	NV	-30	3.400000	0.000971	PASS
N77-345 0-3550	30	100	DFT-16QAM	L	Outer_Full	NV	-20	5.040000	0.001440	PASS
N77-345 0-3550	30	100	DFT-16QAM	L	Outer_Full	NV	-10	-2.870000	-0.000820	PASS
N77-345 0-3550	30	100	DFT-16QAM	L	Outer_Full	NV	0	-1.820000	-0.000520	PASS
N77-345	30	100	DFT-16QAM	L	Outer_Full	NV	10	-4.530000	-0.001294	PASS

0-3550										
N77-345 0-3550	30	100	DFT-16QAM	L	Outer_Full	NV	20	-2.790000	-0.000797	PASS
N77-345 0-3550	30	100	DFT-16QAM	L	Outer_Full	NV	30	-0.030000	-0.000009	PASS
N77-345 0-3550	30	100	DFT-16QAM	L	Outer_Full	NV	40	-2.900000	-0.000829	PASS
N77-345 0-3550	30	100	DFT-16QAM	L	Outer_Full	NV	50	2.069999	0.000591	PASS
N77-345 0-3550	30	100	DFT-QPSK	M	Outer_Full	NV	-30	-2.830000	-0.000809	PASS
N77-345 0-3550	30	100	DFT-QPSK	M	Outer_Full	NV	-20	-1.170000	-0.000334	PASS
N77-345 0-3550	30	100	DFT-QPSK	M	Outer_Full	NV	-10	2.970000	0.000849	PASS
N77-345 0-3550	30	100	DFT-QPSK	M	Outer_Full	NV	0	-4.080000	-0.001166	PASS
N77-345 0-3550	30	100	DFT-QPSK	M	Outer_Full	NV	10	4.390000	0.001254	PASS
N77-345 0-3550	30	100	DFT-QPSK	M	Outer_Full	NV	20	-5.910000	-0.001689	PASS
N77-345 0-3550	30	100	DFT-QPSK	M	Outer_Full	NV	30	-3.070000	-0.000877	PASS
N77-345 0-3550	30	100	DFT-QPSK	M	Outer_Full	NV	40	-2.610000	-0.000746	PASS
N77-345 0-3550	30	100	DFT-QPSK	M	Outer_Full	NV	50	2.140000	0.000611	PASS
N77-345 0-3550	30	100	DFT-16QAM	M	Outer_Full	NV	-30	-4.800000	-0.001371	PASS
N77-345 0-3550	30	100	DFT-16QAM	M	Outer_Full	NV	-20	-6.000000	-0.001714	PASS
N77-345 0-3550	30	100	DFT-16QAM	M	Outer_Full	NV	-10	-2.880000	-0.000823	PASS
N77-345 0-3550	30	100	DFT-16QAM	M	Outer_Full	NV	0	-3.790000	-0.001083	PASS
N77-345 0-3550	30	100	DFT-16QAM	M	Outer_Full	NV	10	-4.730000	-0.001351	PASS
N77-345 0-3550	30	100	DFT-16QAM	M	Outer_Full	NV	20	-1.410000	-0.000403	PASS
N77-345 0-3550	30	100	DFT-16QAM	M	Outer_Full	NV	30	1.240000	0.000354	PASS
N77-345	30	100	DFT-16QAM	M	Outer_Full	NV	40	2.750000	0.000786	PASS

0-3550										
N77-345 0-3550	30	100	DFT-16QAM	M	Outer_Full	NV	50	-2.290000	-0.000654	PASS
N77-345 0-3550	30	100	DFT-QPSK	H	Outer_Full	NV	-30	-2.410000	-0.000689	PASS
N77-345 0-3550	30	100	DFT-QPSK	H	Outer_Full	NV	-20	-5.520000	-0.001577	PASS
N77-345 0-3550	30	100	DFT-QPSK	H	Outer_Full	NV	-10	1.150000	0.000329	PASS
N77-345 0-3550	30	100	DFT-QPSK	H	Outer_Full	NV	0	-2.510000	-0.000717	PASS
N77-345 0-3550	30	100	DFT-QPSK	H	Outer_Full	NV	10	-6.140000	-0.001754	PASS
N77-345 0-3550	30	100	DFT-QPSK	H	Outer_Full	NV	20	3.990000	0.001140	PASS
N77-345 0-3550	30	100	DFT-QPSK	H	Outer_Full	NV	30	-3.600000	-0.001029	PASS
N77-345 0-3550	30	100	DFT-QPSK	H	Outer_Full	NV	40	0.470000	0.000134	PASS
N77-345 0-3550	30	100	DFT-QPSK	H	Outer_Full	NV	50	1.780000	0.000509	PASS
N77-345 0-3550	30	100	DFT-16QAM	H	Outer_Full	NV	-30	-1.050000	-0.000300	PASS
N77-345 0-3550	30	100	DFT-16QAM	H	Outer_Full	NV	-20	-2.220000	-0.000634	PASS
N77-345 0-3550	30	100	DFT-16QAM	H	Outer_Full	NV	-10	-3.830000	-0.001094	PASS
N77-345 0-3550	30	100	DFT-16QAM	H	Outer_Full	NV	0	0.440000	0.000126	PASS
N77-345 0-3550	30	100	DFT-16QAM	H	Outer_Full	NV	10	1.750000	0.000500	PASS
N77-345 0-3550	30	100	DFT-16QAM	H	Outer_Full	NV	20	-0.620000	-0.000177	PASS
N77-345 0-3550	30	100	DFT-16QAM	H	Outer_Full	NV	30	-0.740000	-0.000211	PASS
N77-345 0-3550	30	100	DFT-16QAM	H	Outer_Full	NV	40	-0.840000	-0.000240	PASS
N77-345 0-3550	30	100	DFT-16QAM	H	Outer_Full	NV	50	4.110000	0.001174	PASS