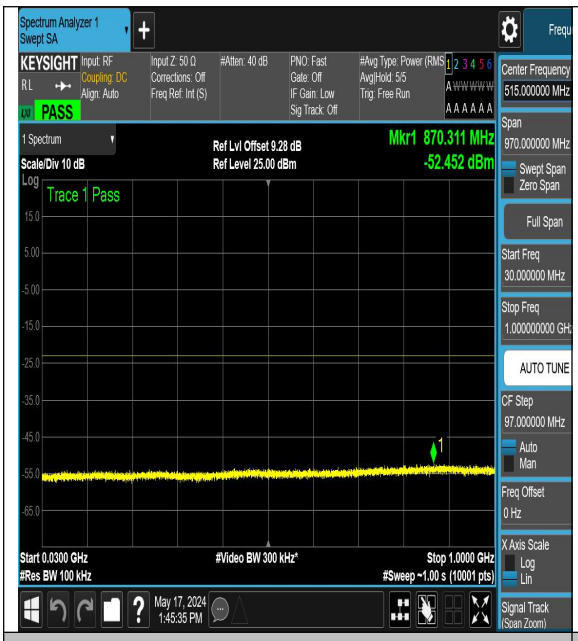

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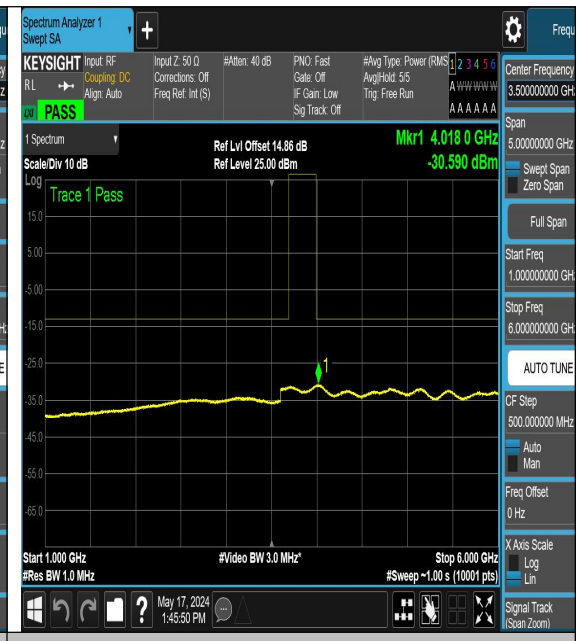

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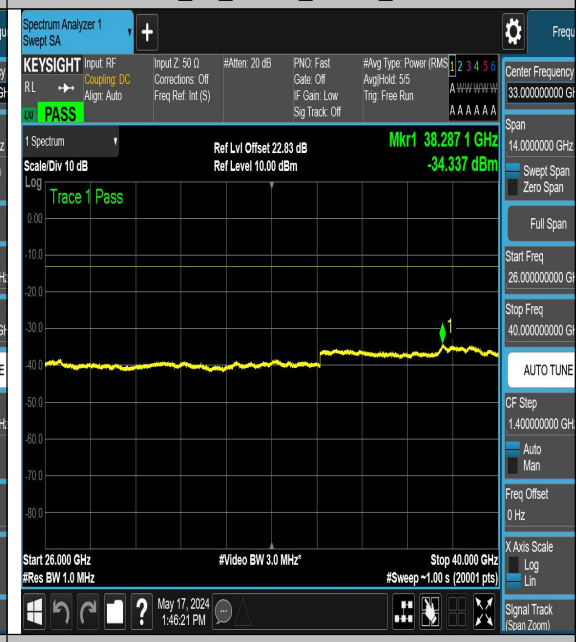

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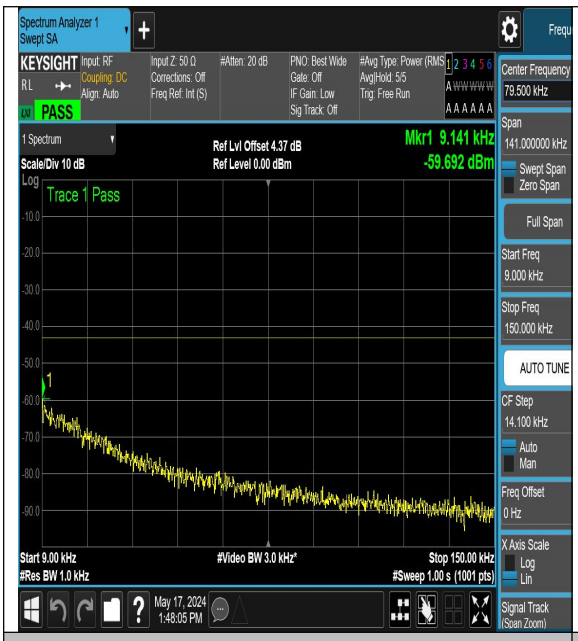

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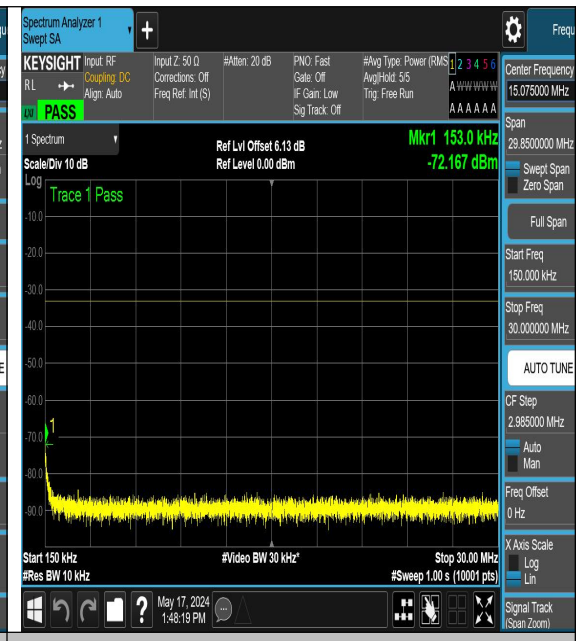

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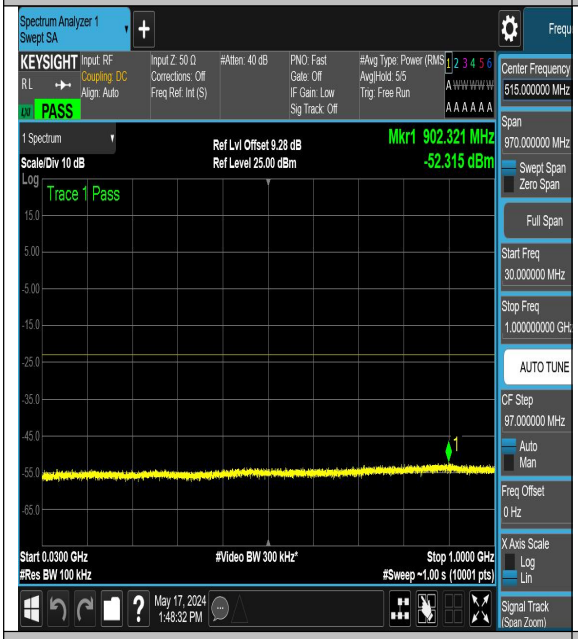

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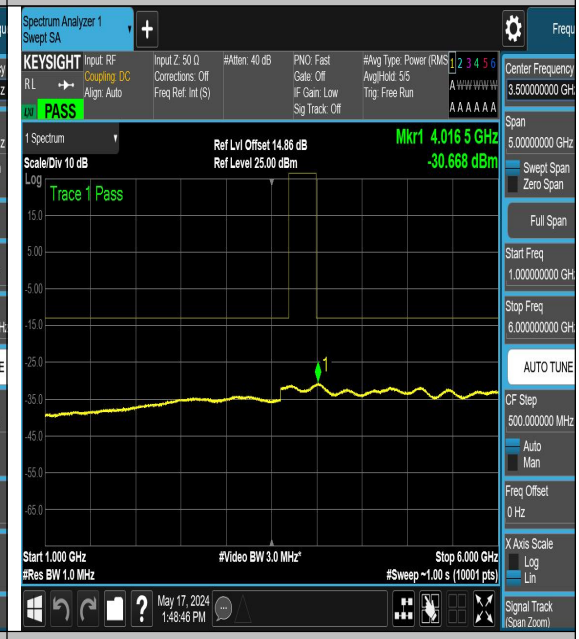

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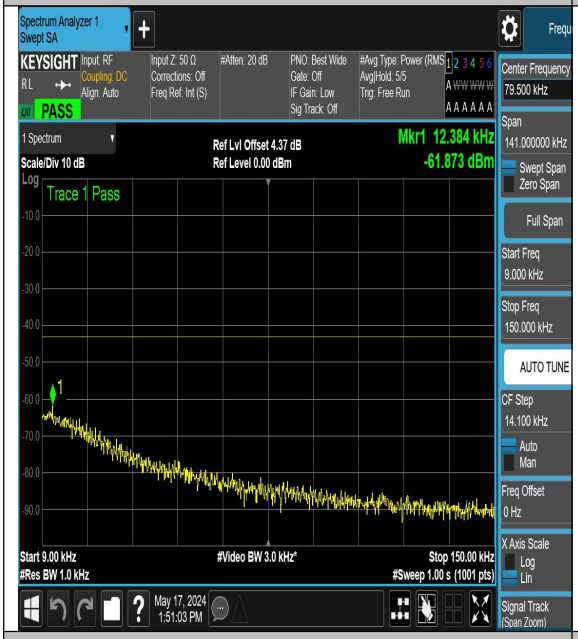

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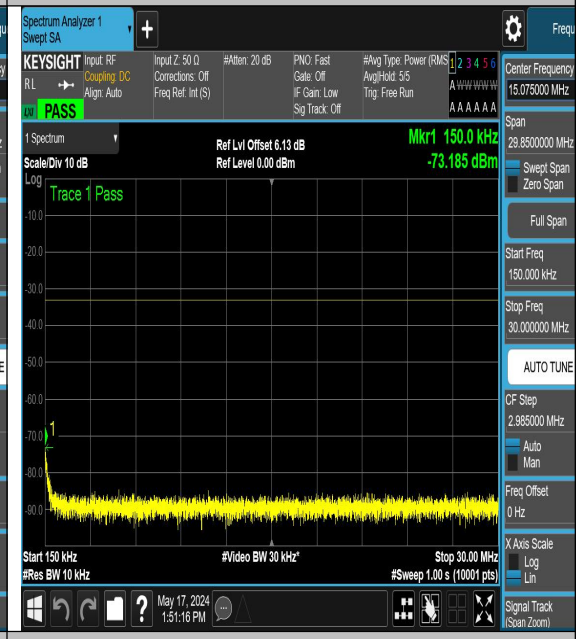

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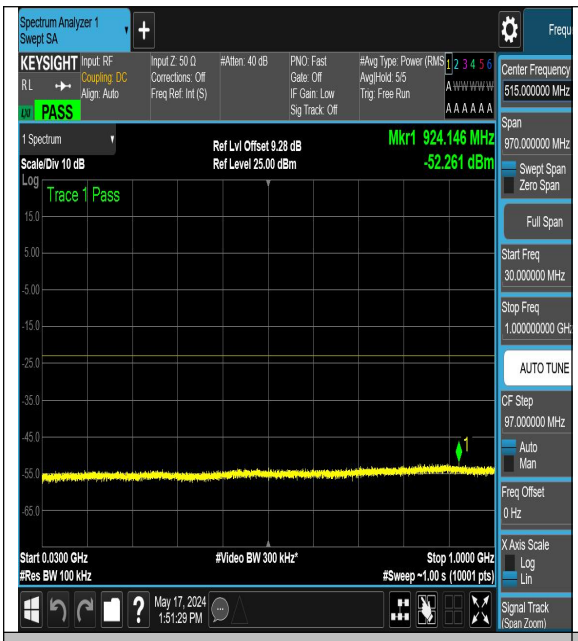

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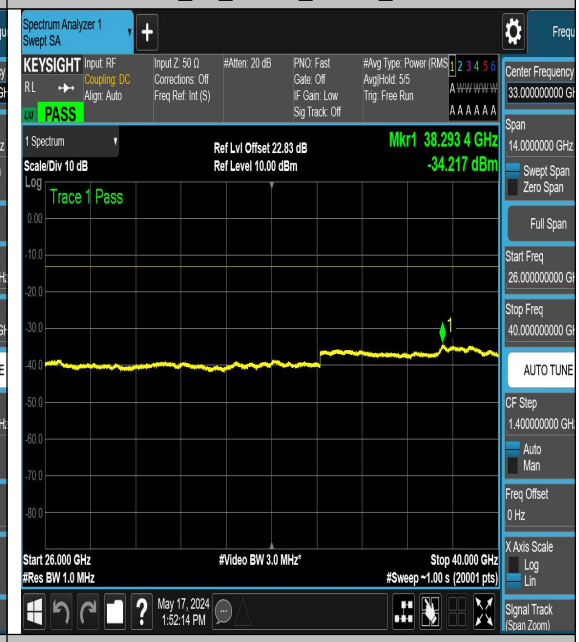

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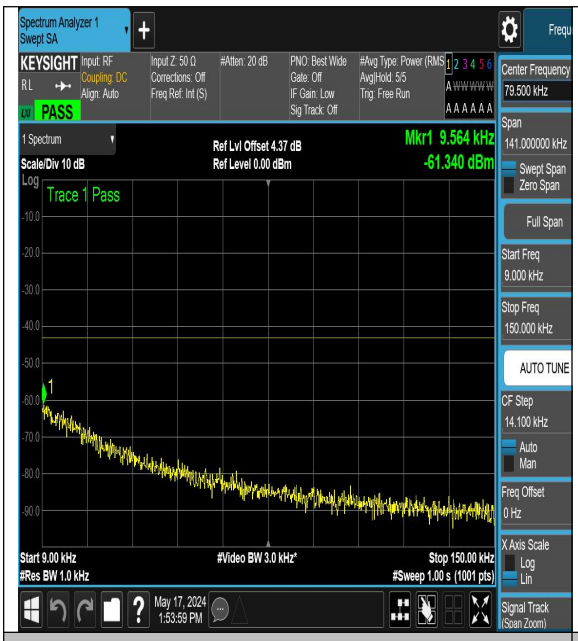

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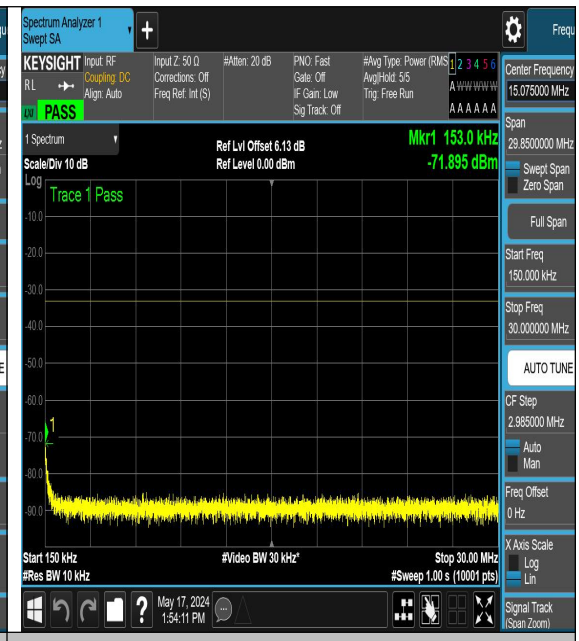

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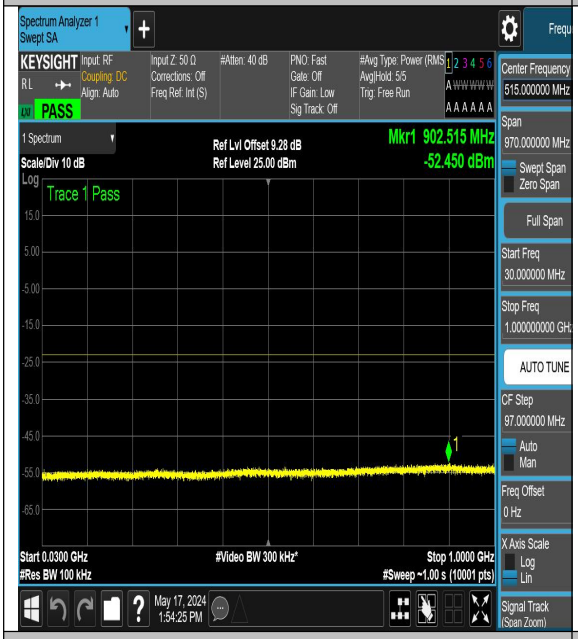

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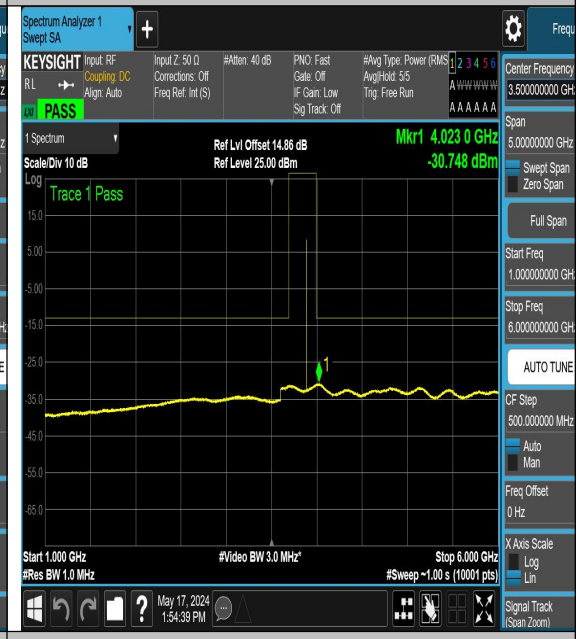

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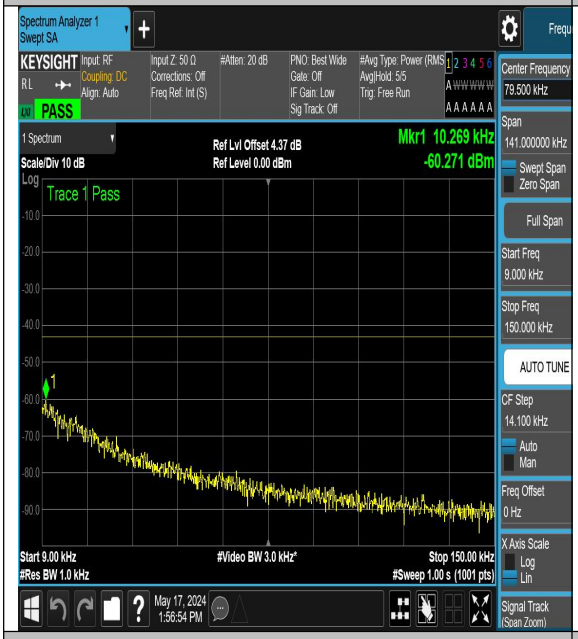

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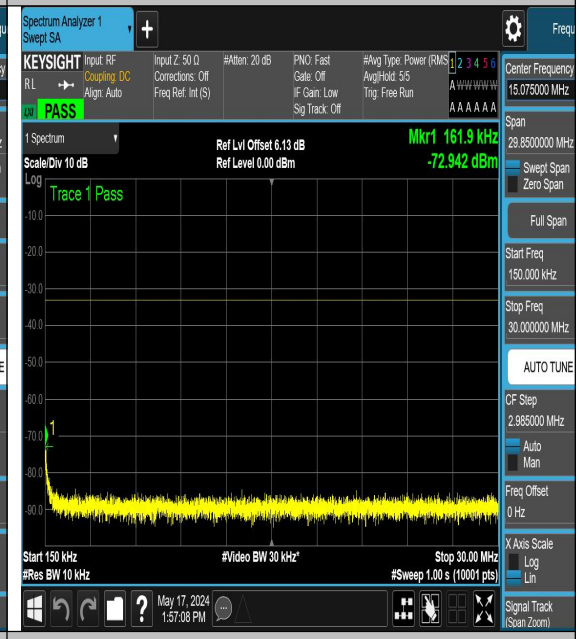

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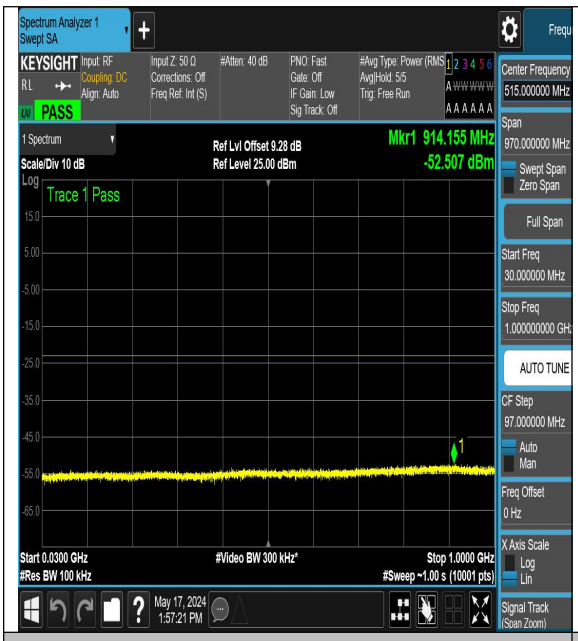

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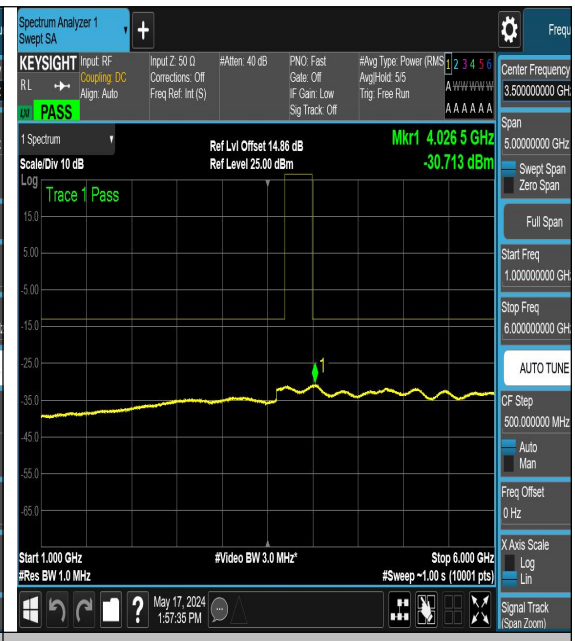

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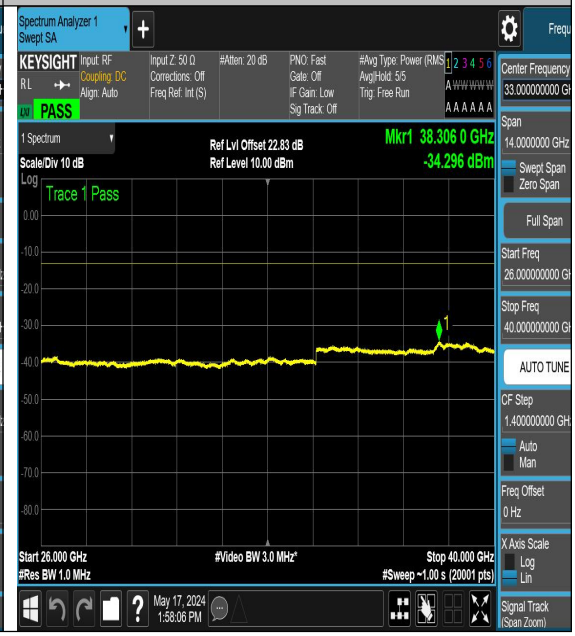

Appendix F: Frequency Stability for SA

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	10	CP-QPSK	L	Outer_Full	VL	NT	-0.76	0.00	PASS
N77-3700-3980	30	10	CP-QPSK	L	Outer_Full	VN	NT	2.79	0.00	PASS
N77-3700-3980	30	10	CP-QPSK	L	Outer_Full	VH	NT	0.34	0.00	PASS
N77-3700-3980	30	10	CP-16QAM	L	Outer_Full	VL	NT	-2.34	0.00	PASS
N77-3700-3980	30	10	CP-16QAM	L	Outer_Full	VN	NT	-4.59	0.00	PASS
N77-3700-3980	30	10	CP-16QAM	L	Outer_Full	VH	NT	-5.24	0.00	PASS
N77-3700-3980	30	10	CP-QPSK	M	Outer_Full	VL	NT	-6.83	0.00	PASS
N77-3700-3980	30	10	CP-QPSK	M	Outer_Full	VN	NT	-0.31	0.00	PASS
N77-3700-3980	30	10	CP-QPSK	M	Outer_Full	VH	NT	0.54	0.00	PASS
N77-3700-3980	30	10	CP-16QAM	M	Outer_Full	VL	NT	-3.23	0.00	PASS
N77-3700-3980	30	10	CP-16QAM	M	Outer_Full	VN	NT	-5.95	0.00	PASS
N77-3700-3980	30	10	CP-16QAM	M	Outer_Full	VH	NT	-2.71	0.00	PASS
N77-3700-3980	30	10	CP-QPSK	H	Outer_Full	VL	NT	-5.99	0.00	PASS
N77-3700-3980	30	10	CP-QPSK	H	Outer_Full	VN	NT	-1.86	0.00	PASS
N77-3700-3980	30	10	CP-QPSK	H	Outer_Full	VH	NT	-3.37	0.00	PASS
N77-3700-3980	30	10	CP-16QAM	H	Outer_Full	VL	NT	-0.99	0.00	PASS
N77-370	30	10	CP-16QAM	H	Outer_Full	VN	NT	0.65	0.00	PASS

0-3980										
N77-370 0-3980	30	10	CP-16QAM	H	Outer_Full	VH	NT	1.79	0.00	PASS
N77-370 0-3980	30	15	CP-QPSK	L	Outer_Full	VL	NT	-5.59	0.00	PASS
N77-370 0-3980	30	15	CP-QPSK	L	Outer_Full	VN	NT	-6.86	0.00	PASS
N77-370 0-3980	30	15	CP-QPSK	L	Outer_Full	VH	NT	-7.43	0.00	PASS
N77-370 0-3980	30	15	CP-16QAM	L	Outer_Full	VL	NT	-5.47	0.00	PASS
N77-370 0-3980	30	15	CP-16QAM	L	Outer_Full	VN	NT	-4.98	0.00	PASS
N77-370 0-3980	30	15	CP-16QAM	L	Outer_Full	VH	NT	-8.01	0.00	PASS
N77-370 0-3980	30	15	CP-QPSK	M	Outer_Full	VL	NT	-3.38	0.00	PASS
N77-370 0-3980	30	15	CP-QPSK	M	Outer_Full	VN	NT	-0.16	0.00	PASS
N77-370 0-3980	30	15	CP-QPSK	M	Outer_Full	VH	NT	-7.78	0.00	PASS
N77-370 0-3980	30	15	CP-16QAM	M	Outer_Full	VL	NT	-4.58	0.00	PASS
N77-370 0-3980	30	15	CP-16QAM	M	Outer_Full	VN	NT	-1.56	0.00	PASS
N77-370 0-3980	30	15	CP-16QAM	M	Outer_Full	VH	NT	-7.68	0.00	PASS
N77-370 0-3980	30	15	CP-QPSK	H	Outer_Full	VL	NT	-7.51	0.00	PASS
N77-370 0-3980	30	15	CP-QPSK	H	Outer_Full	VN	NT	-3.52	0.00	PASS
N77-370 0-3980	30	15	CP-QPSK	H	Outer_Full	VH	NT	-6.90	0.00	PASS
N77-370 0-3980	30	15	CP-16QAM	H	Outer_Full	VL	NT	0.77	0.00	PASS
N77-370 0-3980	30	15	CP-16QAM	H	Outer_Full	VN	NT	-6.78	0.00	PASS
N77-370 0-3980	30	15	CP-16QAM	H	Outer_Full	VH	NT	0.98	0.00	PASS
N77-370 0-3980	30	20	CP-QPSK	L	Outer_Full	VL	NT	-2.25	0.00	PASS
N77-370	30	20	CP-QPSK	L	Outer_Full	VN	NT	-3.69	0.00	PASS

0-3980										
N77-370 0-3980	30	20	CP-QPSK	L	Outer_Full	VH	NT	-1.96	0.00	PASS
N77-370 0-3980	30	20	CP-16QAM	L	Outer_Full	VL	NT	-4.90	0.00	PASS
N77-370 0-3980	30	20	CP-16QAM	L	Outer_Full	VN	NT	-4.61	0.00	PASS
N77-370 0-3980	30	20	CP-16QAM	L	Outer_Full	VH	NT	-7.00	0.00	PASS
N77-370 0-3980	30	20	CP-QPSK	M	Outer_Full	VL	NT	-7.31	0.00	PASS
N77-370 0-3980	30	20	CP-QPSK	M	Outer_Full	VN	NT	-4.38	0.00	PASS
N77-370 0-3980	30	20	CP-QPSK	M	Outer_Full	VH	NT	1.72	0.00	PASS
N77-370 0-3980	30	20	CP-16QAM	M	Outer_Full	VL	NT	0.79	0.00	PASS
N77-370 0-3980	30	20	CP-16QAM	M	Outer_Full	VN	NT	-2.08	0.00	PASS
N77-370 0-3980	30	20	CP-16QAM	M	Outer_Full	VH	NT	-6.01	0.00	PASS
N77-370 0-3980	30	20	CP-QPSK	H	Outer_Full	VL	NT	-6.41	0.00	PASS
N77-370 0-3980	30	20	CP-QPSK	H	Outer_Full	VN	NT	-4.80	0.00	PASS
N77-370 0-3980	30	20	CP-QPSK	H	Outer_Full	VH	NT	-5.47	0.00	PASS
N77-370 0-3980	30	20	CP-16QAM	H	Outer_Full	VL	NT	-4.28	0.00	PASS
N77-370 0-3980	30	20	CP-16QAM	H	Outer_Full	VN	NT	3.16	0.00	PASS
N77-370 0-3980	30	20	CP-16QAM	H	Outer_Full	VH	NT	-0.79	0.00	PASS
N77-370 0-3980	30	40	CP-QPSK	L	Outer_Full	VL	NT	-4.45	0.00	PASS
N77-370 0-3980	30	40	CP-QPSK	L	Outer_Full	VN	NT	-5.03	0.00	PASS
N77-370 0-3980	30	40	CP-QPSK	L	Outer_Full	VH	NT	-0.09	0.00	PASS
N77-370 0-3980	30	40	CP-16QAM	L	Outer_Full	VL	NT	-4.67	0.00	PASS
N77-370	30	40	CP-16QAM	L	Outer_Full	VN	NT	-7.18	0.00	PASS

0-3980										
N77-370 0-3980	30	40	CP-16QAM	L	Outer_Full	VH	NT	-6.77	0.00	PASS
N77-370 0-3980	30	40	CP-QPSK	M	Outer_Full	VL	NT	-6.87	0.00	PASS
N77-370 0-3980	30	40	CP-QPSK	M	Outer_Full	VN	NT	-8.97	0.00	PASS
N77-370 0-3980	30	40	CP-QPSK	M	Outer_Full	VH	NT	-5.88	0.00	PASS
N77-370 0-3980	30	40	CP-16QAM	M	Outer_Full	VL	NT	-3.16	0.00	PASS
N77-370 0-3980	30	40	CP-16QAM	M	Outer_Full	VN	NT	-6.25	0.00	PASS
N77-370 0-3980	30	40	CP-16QAM	M	Outer_Full	VH	NT	4.00	0.00	PASS
N77-370 0-3980	30	40	CP-QPSK	H	Outer_Full	VL	NT	-5.31	0.00	PASS
N77-370 0-3980	30	40	CP-QPSK	H	Outer_Full	VN	NT	-6.40	0.00	PASS
N77-370 0-3980	30	40	CP-QPSK	H	Outer_Full	VH	NT	-2.47	0.00	PASS
N77-370 0-3980	30	40	CP-16QAM	H	Outer_Full	VL	NT	-8.39	0.00	PASS
N77-370 0-3980	30	40	CP-16QAM	H	Outer_Full	VN	NT	-7.02	0.00	PASS
N77-370 0-3980	30	40	CP-16QAM	H	Outer_Full	VH	NT	-1.58	0.00	PASS
N77-370 0-3980	30	50	CP-QPSK	L	Outer_Full	VL	NT	-1.25	0.00	PASS
N77-370 0-3980	30	50	CP-QPSK	L	Outer_Full	VN	NT	-1.62	0.00	PASS
N77-370 0-3980	30	50	CP-QPSK	L	Outer_Full	VH	NT	-10.04	0.00	PASS
N77-370 0-3980	30	50	CP-16QAM	L	Outer_Full	VL	NT	-4.22	0.00	PASS
N77-370 0-3980	30	50	CP-16QAM	L	Outer_Full	VN	NT	-1.14	0.00	PASS
N77-370 0-3980	30	50	CP-16QAM	L	Outer_Full	VH	NT	0.13	0.00	PASS
N77-370 0-3980	30	50	CP-QPSK	M	Outer_Full	VL	NT	-5.98	0.00	PASS
N77-370	30	50	CP-QPSK	M	Outer_Full	VN	NT	-8.95	0.00	PASS

0-3980										
N77-370 0-3980	30	50	CP-QPSK	M	Outer_Full	VH	NT	0.54	0.00	PASS
N77-370 0-3980	30	50	CP-16QAM	M	Outer_Full	VL	NT	-4.37	0.00	PASS
N77-370 0-3980	30	50	CP-16QAM	M	Outer_Full	VN	NT	-3.38	0.00	PASS
N77-370 0-3980	30	50	CP-16QAM	M	Outer_Full	VH	NT	-7.44	0.00	PASS
N77-370 0-3980	30	50	CP-QPSK	H	Outer_Full	VL	NT	-9.35	0.00	PASS
N77-370 0-3980	30	50	CP-QPSK	H	Outer_Full	VN	NT	-2.25	0.00	PASS
N77-370 0-3980	30	50	CP-QPSK	H	Outer_Full	VH	NT	1.23	0.00	PASS
N77-370 0-3980	30	50	CP-16QAM	H	Outer_Full	VL	NT	-8.21	0.00	PASS
N77-370 0-3980	30	50	CP-16QAM	H	Outer_Full	VN	NT	0.86	0.00	PASS
N77-370 0-3980	30	50	CP-16QAM	H	Outer_Full	VH	NT	-3.85	0.00	PASS
N77-370 0-3980	30	60	CP-QPSK	L	Outer_Full	VL	NT	-3.97	0.00	PASS
N77-370 0-3980	30	60	CP-QPSK	L	Outer_Full	VN	NT	-1.92	0.00	PASS
N77-370 0-3980	30	60	CP-QPSK	L	Outer_Full	VH	NT	-1.84	0.00	PASS
N77-370 0-3980	30	60	CP-16QAM	L	Outer_Full	VL	NT	0.02	0.00	PASS
N77-370 0-3980	30	60	CP-16QAM	L	Outer_Full	VN	NT	-1.45	0.00	PASS
N77-370 0-3980	30	60	CP-16QAM	L	Outer_Full	VH	NT	-6.60	0.00	PASS
N77-370 0-3980	30	60	CP-QPSK	M	Outer_Full	VL	NT	-7.53	0.00	PASS
N77-370 0-3980	30	60	CP-QPSK	M	Outer_Full	VN	NT	-2.89	0.00	PASS
N77-370 0-3980	30	60	CP-QPSK	M	Outer_Full	VH	NT	-1.25	0.00	PASS
N77-370 0-3980	30	60	CP-16QAM	M	Outer_Full	VL	NT	-7.51	0.00	PASS
N77-370	30	60	CP-16QAM	M	Outer_Full	VN	NT	-3.11	0.00	PASS

0-3980										
N77-370 0-3980	30	60	CP-16QAM	M	Outer_Full	VH	NT	-4.39	0.00	PASS
N77-370 0-3980	30	60	CP-QPSK	H	Outer_Full	VL	NT	-2.94	0.00	PASS
N77-370 0-3980	30	60	CP-QPSK	H	Outer_Full	VN	NT	1.88	0.00	PASS
N77-370 0-3980	30	60	CP-QPSK	H	Outer_Full	VH	NT	-7.04	0.00	PASS
N77-370 0-3980	30	60	CP-16QAM	H	Outer_Full	VL	NT	-3.97	0.00	PASS
N77-370 0-3980	30	60	CP-16QAM	H	Outer_Full	VN	NT	-2.20	0.00	PASS
N77-370 0-3980	30	60	CP-16QAM	H	Outer_Full	VH	NT	-1.76	0.00	PASS
N77-370 0-3980	30	80	CP-QPSK	L	Outer_Full	VL	NT	-6.18	0.00	PASS
N77-370 0-3980	30	80	CP-QPSK	L	Outer_Full	VN	NT	-5.48	0.00	PASS
N77-370 0-3980	30	80	CP-QPSK	L	Outer_Full	VH	NT	-4.60	0.00	PASS
N77-370 0-3980	30	80	CP-16QAM	L	Outer_Full	VL	NT	-2.16	0.00	PASS
N77-370 0-3980	30	80	CP-16QAM	L	Outer_Full	VN	NT	-3.03	0.00	PASS
N77-370 0-3980	30	80	CP-16QAM	L	Outer_Full	VH	NT	-2.86	0.00	PASS
N77-370 0-3980	30	80	CP-QPSK	M	Outer_Full	VL	NT	-4.74	0.00	PASS
N77-370 0-3980	30	80	CP-QPSK	M	Outer_Full	VN	NT	-6.18	0.00	PASS
N77-370 0-3980	30	80	CP-QPSK	M	Outer_Full	VH	NT	-7.41	0.00	PASS
N77-370 0-3980	30	80	CP-16QAM	M	Outer_Full	VL	NT	-3.06	0.00	PASS
N77-370 0-3980	30	80	CP-16QAM	M	Outer_Full	VN	NT	-7.04	0.00	PASS
N77-370 0-3980	30	80	CP-16QAM	M	Outer_Full	VH	NT	-3.98	0.00	PASS
N77-370 0-3980	30	80	CP-QPSK	H	Outer_Full	VL	NT	-2.03	0.00	PASS
N77-370	30	80	CP-QPSK	H	Outer_Full	VN	NT	-0.79	0.00	PASS

0-3980										
N77-370 0-3980	30	80	CP-QPSK	H	Outer_Full	VH	NT	-7.43	0.00	PASS
N77-370 0-3980	30	80	CP-16QAM	H	Outer_Full	VL	NT	-6.38	0.00	PASS
N77-370 0-3980	30	80	CP-16QAM	H	Outer_Full	VN	NT	-8.43	0.00	PASS
N77-370 0-3980	30	80	CP-16QAM	H	Outer_Full	VH	NT	-1.41	0.00	PASS
N77-370 0-3980	30	90	CP-QPSK	L	Outer_Full	VL	NT	-0.14	0.00	PASS
N77-370 0-3980	30	90	CP-QPSK	L	Outer_Full	VN	NT	-0.62	0.00	PASS
N77-370 0-3980	30	90	CP-QPSK	L	Outer_Full	VH	NT	-5.26	0.00	PASS
N77-370 0-3980	30	90	CP-16QAM	L	Outer_Full	VL	NT	0.15	0.00	PASS
N77-370 0-3980	30	90	CP-16QAM	L	Outer_Full	VN	NT	0.47	0.00	PASS
N77-370 0-3980	30	90	CP-16QAM	L	Outer_Full	VH	NT	0.38	0.00	PASS
N77-370 0-3980	30	90	CP-QPSK	M	Outer_Full	VL	NT	-0.95	0.00	PASS
N77-370 0-3980	30	90	CP-QPSK	M	Outer_Full	VN	NT	-1.19	0.00	PASS
N77-370 0-3980	30	90	CP-QPSK	M	Outer_Full	VH	NT	0.28	0.00	PASS
N77-370 0-3980	30	90	CP-16QAM	M	Outer_Full	VL	NT	-6.20	0.00	PASS
N77-370 0-3980	30	90	CP-16QAM	M	Outer_Full	VN	NT	-4.09	0.00	PASS
N77-370 0-3980	30	90	CP-16QAM	M	Outer_Full	VH	NT	-9.14	0.00	PASS
N77-370 0-3980	30	90	CP-QPSK	H	Outer_Full	VL	NT	-6.11	0.00	PASS
N77-370 0-3980	30	90	CP-QPSK	H	Outer_Full	VN	NT	-7.94	0.00	PASS
N77-370 0-3980	30	90	CP-QPSK	H	Outer_Full	VH	NT	-4.02	0.00	PASS
N77-370 0-3980	30	90	CP-16QAM	H	Outer_Full	VL	NT	-1.78	0.00	PASS
N77-370	30	90	CP-16QAM	H	Outer_Full	VN	NT	-5.78	0.00	PASS

0-3980										
N77-370 0-3980	30	90	CP-16QAM	H	Outer_Full	VH	NT	-11.08	0.00	PASS
N77-370 0-3980	30	100	CP-QPSK	L	Outer_Full	VL	NT	-1.13	0.00	PASS
N77-370 0-3980	30	100	CP-QPSK	L	Outer_Full	VN	NT	-3.78	0.00	PASS
N77-370 0-3980	30	100	CP-QPSK	L	Outer_Full	VH	NT	-0.90	0.00	PASS
N77-370 0-3980	30	100	CP-16QAM	L	Outer_Full	VL	NT	-2.21	0.00	PASS
N77-370 0-3980	30	100	CP-16QAM	L	Outer_Full	VN	NT	-3.39	0.00	PASS
N77-370 0-3980	30	100	CP-16QAM	L	Outer_Full	VH	NT	-0.91	0.00	PASS
N77-370 0-3980	30	100	CP-QPSK	M	Outer_Full	VL	NT	-6.35	0.00	PASS
N77-370 0-3980	30	100	CP-QPSK	M	Outer_Full	VN	NT	1.67	0.00	PASS
N77-370 0-3980	30	100	CP-QPSK	M	Outer_Full	VH	NT	-3.34	0.00	PASS
N77-370 0-3980	30	100	CP-16QAM	M	Outer_Full	VL	NT	-3.89	0.00	PASS
N77-370 0-3980	30	100	CP-16QAM	M	Outer_Full	VN	NT	-4.50	0.00	PASS
N77-370 0-3980	30	100	CP-16QAM	M	Outer_Full	VH	NT	-3.63	0.00	PASS
N77-370 0-3980	30	100	CP-QPSK	H	Outer_Full	VL	NT	-4.09	0.00	PASS
N77-370 0-3980	30	100	CP-QPSK	H	Outer_Full	VN	NT	0.77	0.00	PASS
N77-370 0-3980	30	100	CP-QPSK	H	Outer_Full	VH	NT	-5.35	0.00	PASS
N77-370 0-3980	30	100	CP-16QAM	H	Outer_Full	VL	NT	-4.26	0.00	PASS
N77-370 0-3980	30	100	CP-16QAM	H	Outer_Full	VN	NT	-13.71	0.00	PASS
N77-370 0-3980	30	100	CP-16QAM	H	Outer_Full	VH	NT	-3.61	0.00	PASS

Frequency Error VS. Temperature

Voltage										
Band	SCS	Bandwidth	Modulation	Channel	RB Config	Voltage	Temperature	Deviation(Hz)	Deviation (ppm)	Verdict
N77-3700-3980	30	10	CP-QPSK	L	Outer_Full	NV	-30	-3.467070	-0.000936	PASS
N77-3700-3980	30	10	CP-QPSK	L	Outer_Full	NV	-20	-1.582812	-0.000427	PASS
N77-3700-3980	30	10	CP-QPSK	L	Outer_Full	NV	-10	-4.774326	-0.001289	PASS
N77-3700-3980	30	10	CP-QPSK	L	Outer_Full	NV	0	-3.635671	-0.000981	PASS
N77-3700-3980	30	10	CP-QPSK	L	Outer_Full	NV	10	2.289485	0.000618	PASS
N77-3700-3980	30	10	CP-QPSK	L	Outer_Full	NV	20	-0.424751	-0.000115	PASS
N77-3700-3980	30	10	CP-QPSK	L	Outer_Full	NV	30	-6.391891	-0.001725	PASS
N77-3700-3980	30	10	CP-QPSK	L	Outer_Full	NV	40	1.614243	0.000436	PASS
N77-3700-3980	30	10	CP-QPSK	L	Outer_Full	NV	50	-3.082119	-0.000832	PASS
N77-3700-3980	30	10	CP-16QAM	L	Outer_Full	NV	-30	-3.019145	-0.000815	PASS
N77-3700-3980	30	10	CP-16QAM	L	Outer_Full	NV	-20	-6.382348	-0.001723	PASS
N77-3700-3980	30	10	CP-16QAM	L	Outer_Full	NV	-10	2.827501	0.000763	PASS
N77-3700-3980	30	10	CP-16QAM	L	Outer_Full	NV	0	-3.660111	-0.000988	PASS
N77-3700-3980	30	10	CP-16QAM	L	Outer_Full	NV	10	-4.738142	-0.001279	PASS
N77-3700-3980	30	10	CP-16QAM	L	Outer_Full	NV	20	-5.426452	-0.001465	PASS
N77-3700-3980	30	10	CP-16QAM	L	Outer_Full	NV	30	-1.024784	-0.000277	PASS
N77-3700-3980	30	10	CP-16QAM	L	Outer_Full	NV	40	-6.461110	-0.001744	PASS
N77-3700-3980	30	10	CP-16QAM	L	Outer_Full	NV	50	-1.641332	-0.000443	PASS
N77-3700-3980	30	10	CP-QPSK	M	Outer_Full	NV	-30	-3.060233	-0.000797	PASS
N77-370	30	10	CP-QPSK	M	Outer_Full	NV	-20	-7.120241	-0.001854	PASS

0-3980										
N77-370 0-3980	30	10	CP-QPSK	M	Outer_Full	NV	-10	-2.556199	-0.000666	PASS
N77-370 0-3980	30	10	CP-QPSK	M	Outer_Full	NV	0	1.766990	0.000460	PASS
N77-370 0-3980	30	10	CP-QPSK	M	Outer_Full	NV	10	-1.006447	-0.000262	PASS
N77-370 0-3980	30	10	CP-QPSK	M	Outer_Full	NV	20	-9.625667	-0.002507	PASS
N77-370 0-3980	30	10	CP-QPSK	M	Outer_Full	NV	30	-3.813705	-0.000993	PASS
N77-370 0-3980	30	10	CP-QPSK	M	Outer_Full	NV	40	3.805758	0.000991	PASS
N77-370 0-3980	30	10	CP-QPSK	M	Outer_Full	NV	50	-6.690701	-0.001742	PASS
N77-370 0-3980	30	10	CP-16QAM	M	Outer_Full	NV	-30	2.252380	0.000587	PASS
N77-370 0-3980	30	10	CP-16QAM	M	Outer_Full	NV	-20	-7.181732	-0.001870	PASS
N77-370 0-3980	30	10	CP-16QAM	M	Outer_Full	NV	-10	-1.317798	-0.000343	PASS
N77-370 0-3980	30	10	CP-16QAM	M	Outer_Full	NV	0	-6.408033	-0.001669	PASS
N77-370 0-3980	30	10	CP-16QAM	M	Outer_Full	NV	10	-4.737421	-0.001234	PASS
N77-370 0-3980	30	10	CP-16QAM	M	Outer_Full	NV	20	-1.506769	-0.000392	PASS
N77-370 0-3980	30	10	CP-16QAM	M	Outer_Full	NV	30	-2.932289	-0.000764	PASS
N77-370 0-3980	30	10	CP-16QAM	M	Outer_Full	NV	40	-4.155942	-0.001082	PASS
N77-370 0-3980	30	10	CP-16QAM	M	Outer_Full	NV	50	-2.146117	-0.000559	PASS
N77-370 0-3980	30	10	CP-QPSK	H	Outer_Full	NV	-30	-5.956823	-0.001499	PASS
N77-370 0-3980	30	10	CP-QPSK	H	Outer_Full	NV	-20	-1.972244	-0.000496	PASS
N77-370 0-3980	30	10	CP-QPSK	H	Outer_Full	NV	-10	-3.867381	-0.000973	PASS
N77-370 0-3980	30	10	CP-QPSK	H	Outer_Full	NV	0	-6.256784	-0.001574	PASS
N77-370	30	10	CP-QPSK	H	Outer_Full	NV	10	-2.450504	-0.000616	PASS

0-3980										
N77-370 0-3980	30	10	CP-QPSK	H	Outer_Full	NV	20	-4.822848	-0.001213	PASS
N77-370 0-3980	30	10	CP-QPSK	H	Outer_Full	NV	30	2.978462	0.000749	PASS
N77-370 0-3980	30	10	CP-QPSK	H	Outer_Full	NV	40	-8.620747	-0.002169	PASS
N77-370 0-3980	30	10	CP-QPSK	H	Outer_Full	NV	50	-1.269284	-0.000319	PASS
N77-370 0-3980	30	10	CP-16QAM	H	Outer_Full	NV	-30	-8.908077	-0.002241	PASS
N77-370 0-3980	30	10	CP-16QAM	H	Outer_Full	NV	-20	-5.211256	-0.001311	PASS
N77-370 0-3980	30	10	CP-16QAM	H	Outer_Full	NV	-10	-5.518373	-0.001388	PASS
N77-370 0-3980	30	10	CP-16QAM	H	Outer_Full	NV	0	-3.759188	-0.000946	PASS
N77-370 0-3980	30	10	CP-16QAM	H	Outer_Full	NV	10	-5.856874	-0.001473	PASS
N77-370 0-3980	30	10	CP-16QAM	H	Outer_Full	NV	20	-6.534606	-0.001644	PASS
N77-370 0-3980	30	10	CP-16QAM	H	Outer_Full	NV	30	7.594253	0.001911	PASS
N77-370 0-3980	30	10	CP-16QAM	H	Outer_Full	NV	40	-5.050623	-0.001271	PASS
N77-370 0-3980	30	10	CP-16QAM	H	Outer_Full	NV	50	-5.657569	-0.001423	PASS
N77-370 0-3980	30	15	CP-QPSK	L	Outer_Full	NV	-30	-3.645187	-0.000983	PASS
N77-370 0-3980	30	15	CP-QPSK	L	Outer_Full	NV	-20	-6.745065	-0.001819	PASS
N77-370 0-3980	30	15	CP-QPSK	L	Outer_Full	NV	-10	-3.235584	-0.000873	PASS
N77-370 0-3980	30	15	CP-QPSK	L	Outer_Full	NV	0	-5.047557	-0.001361	PASS
N77-370 0-3980	30	15	CP-QPSK	L	Outer_Full	NV	10	-5.467839	-0.001475	PASS
N77-370 0-3980	30	15	CP-QPSK	L	Outer_Full	NV	20	1.087717	0.000293	PASS
N77-370 0-3980	30	15	CP-QPSK	L	Outer_Full	NV	30	-7.522525	-0.002029	PASS
N77-370	30	15	CP-QPSK	L	Outer_Full	NV	40	-4.526590	-0.001221	PASS

0-3980										
N77-370 0-3980	30	15	CP-QPSK	L	Outer_Full	NV	50	-11.083789	-0.002990	PASS
N77-370 0-3980	30	15	CP-16QAM	L	Outer_Full	NV	-30	-4.820893	-0.001300	PASS
N77-370 0-3980	30	15	CP-16QAM	L	Outer_Full	NV	-20	-1.760281	-0.000475	PASS
N77-370 0-3980	30	15	CP-16QAM	L	Outer_Full	NV	-10	-7.240945	-0.001953	PASS
N77-370 0-3980	30	15	CP-16QAM	L	Outer_Full	NV	0	0.809160	0.000218	PASS
N77-370 0-3980	30	15	CP-16QAM	L	Outer_Full	NV	10	-3.279317	-0.000885	PASS
N77-370 0-3980	30	15	CP-16QAM	L	Outer_Full	NV	20	0.486886	0.000131	PASS
N77-370 0-3980	30	15	CP-16QAM	L	Outer_Full	NV	30	-7.131690	-0.001924	PASS
N77-370 0-3980	30	15	CP-16QAM	L	Outer_Full	NV	40	-7.267509	-0.001960	PASS
N77-370 0-3980	30	15	CP-16QAM	L	Outer_Full	NV	50	-3.051080	-0.000823	PASS
N77-370 0-3980	30	15	CP-QPSK	M	Outer_Full	NV	-30	-6.555895	-0.001707	PASS
N77-370 0-3980	30	15	CP-QPSK	M	Outer_Full	NV	-20	0.629269	0.000164	PASS
N77-370 0-3980	30	15	CP-QPSK	M	Outer_Full	NV	-10	-9.740681	-0.002537	PASS
N77-370 0-3980	30	15	CP-QPSK	M	Outer_Full	NV	0	-9.774588	-0.002545	PASS
N77-370 0-3980	30	15	CP-QPSK	M	Outer_Full	NV	10	-6.743249	-0.001756	PASS
N77-370 0-3980	30	15	CP-QPSK	M	Outer_Full	NV	20	-6.996499	-0.001822	PASS
N77-370 0-3980	30	15	CP-QPSK	M	Outer_Full	NV	30	-1.924566	-0.000501	PASS
N77-370 0-3980	30	15	CP-QPSK	M	Outer_Full	NV	40	-2.454852	-0.000639	PASS
N77-370 0-3980	30	15	CP-QPSK	M	Outer_Full	NV	50	-4.493716	-0.001170	PASS
N77-370 0-3980	30	15	CP-16QAM	M	Outer_Full	NV	-30	-7.961310	-0.002073	PASS
N77-370	30	15	CP-16QAM	M	Outer_Full	NV	-20	-3.627079	-0.000945	PASS

0-3980										
N77-370 0-3980	30	15	CP-16QAM	M	Outer_Full	NV	-10	-1.908534	-0.000497	PASS
N77-370 0-3980	30	15	CP-16QAM	M	Outer_Full	NV	0	-3.360979	-0.000875	PASS
N77-370 0-3980	30	15	CP-16QAM	M	Outer_Full	NV	10	0.747079	0.000195	PASS
N77-370 0-3980	30	15	CP-16QAM	M	Outer_Full	NV	20	-0.374004	-0.000097	PASS
N77-370 0-3980	30	15	CP-16QAM	M	Outer_Full	NV	30	-2.845209	-0.000741	PASS
N77-370 0-3980	30	15	CP-16QAM	M	Outer_Full	NV	40	-3.468362	-0.000903	PASS
N77-370 0-3980	30	15	CP-16QAM	M	Outer_Full	NV	50	-6.046084	-0.001575	PASS
N77-370 0-3980	30	15	CP-QPSK	H	Outer_Full	NV	-30	-5.858344	-0.001475	PASS
N77-370 0-3980	30	15	CP-QPSK	H	Outer_Full	NV	-20	-4.230023	-0.001065	PASS
N77-370 0-3980	30	15	CP-QPSK	H	Outer_Full	NV	-10	-8.108473	-0.002041	PASS
N77-370 0-3980	30	15	CP-QPSK	H	Outer_Full	NV	0	-4.569562	-0.001150	PASS
N77-370 0-3980	30	15	CP-QPSK	H	Outer_Full	NV	10	-8.681314	-0.002185	PASS
N77-370 0-3980	30	15	CP-QPSK	H	Outer_Full	NV	20	-7.801032	-0.001964	PASS
N77-370 0-3980	30	15	CP-QPSK	H	Outer_Full	NV	30	-5.834092	-0.001469	PASS
N77-370 0-3980	30	15	CP-QPSK	H	Outer_Full	NV	40	-6.316271	-0.001590	PASS
N77-370 0-3980	30	15	CP-QPSK	H	Outer_Full	NV	50	-4.432838	-0.001116	PASS
N77-370 0-3980	30	15	CP-16QAM	H	Outer_Full	NV	-30	-6.419642	-0.001616	PASS
N77-370 0-3980	30	15	CP-16QAM	H	Outer_Full	NV	-20	-2.763961	-0.000696	PASS
N77-370 0-3980	30	15	CP-16QAM	H	Outer_Full	NV	-10	-3.245767	-0.000817	PASS
N77-370 0-3980	30	15	CP-16QAM	H	Outer_Full	NV	0	-6.016703	-0.001515	PASS
N77-370	30	15	CP-16QAM	H	Outer_Full	NV	10	-6.303353	-0.001587	PASS

0-3980										
N77-370 0-3980	30	15	CP-16QAM	H	Outer_Full	NV	20	-2.949990	-0.000743	PASS
N77-370 0-3980	30	15	CP-16QAM	H	Outer_Full	NV	30	-3.186691	-0.000802	PASS
N77-370 0-3980	30	15	CP-16QAM	H	Outer_Full	NV	40	-2.839257	-0.000715	PASS
N77-370 0-3980	30	15	CP-16QAM	H	Outer_Full	NV	50	-5.289545	-0.001332	PASS
N77-370 0-3980	30	20	CP-QPSK	L	Outer_Full	NV	-30	-3.796517	-0.001023	PASS
N77-370 0-3980	30	20	CP-QPSK	L	Outer_Full	NV	-20	-1.214902	-0.000327	PASS
N77-370 0-3980	30	20	CP-QPSK	L	Outer_Full	NV	-10	-4.091277	-0.001103	PASS
N77-370 0-3980	30	20	CP-QPSK	L	Outer_Full	NV	0	-6.291651	-0.001696	PASS
N77-370 0-3980	30	20	CP-QPSK	L	Outer_Full	NV	10	-5.903762	-0.001591	PASS
N77-370 0-3980	30	20	CP-QPSK	L	Outer_Full	NV	20	-4.939609	-0.001331	PASS
N77-370 0-3980	30	20	CP-QPSK	L	Outer_Full	NV	30	-0.248216	-0.000067	PASS
N77-370 0-3980	30	20	CP-QPSK	L	Outer_Full	NV	40	-7.874537	-0.002123	PASS
N77-370 0-3980	30	20	CP-QPSK	L	Outer_Full	NV	50	-0.088983	-0.000024	PASS
N77-370 0-3980	30	20	CP-16QAM	L	Outer_Full	NV	-30	0.800005	0.000216	PASS
N77-370 0-3980	30	20	CP-16QAM	L	Outer_Full	NV	-20	-3.365703	-0.000907	PASS
N77-370 0-3980	30	20	CP-16QAM	L	Outer_Full	NV	-10	-2.881255	-0.000777	PASS
N77-370 0-3980	30	20	CP-16QAM	L	Outer_Full	NV	0	-6.354117	-0.001713	PASS
N77-370 0-3980	30	20	CP-16QAM	L	Outer_Full	NV	10	-6.097820	-0.001644	PASS
N77-370 0-3980	30	20	CP-16QAM	L	Outer_Full	NV	20	-3.998886	-0.001078	PASS
N77-370 0-3980	30	20	CP-16QAM	L	Outer_Full	NV	30	-6.171146	-0.001663	PASS
N77-370	30	20	CP-16QAM	L	Outer_Full	NV	40	-3.203690	-0.000864	PASS

0-3980										
N77-370 0-3980	30	20	CP-16QAM	L	Outer_Full	NV	50	-0.095703	-0.000026	PASS
N77-370 0-3980	30	20	CP-QPSK	M	Outer_Full	NV	-30	-4.936164	-0.001285	PASS
N77-370 0-3980	30	20	CP-QPSK	M	Outer_Full	NV	-20	1.473029	0.000384	PASS
N77-370 0-3980	30	20	CP-QPSK	M	Outer_Full	NV	-10	-1.870564	-0.000487	PASS
N77-370 0-3980	30	20	CP-QPSK	M	Outer_Full	NV	0	-5.129093	-0.001336	PASS
N77-370 0-3980	30	20	CP-QPSK	M	Outer_Full	NV	10	-0.124659	-0.000032	PASS
N77-370 0-3980	30	20	CP-QPSK	M	Outer_Full	NV	20	-3.880723	-0.001011	PASS
N77-370 0-3980	30	20	CP-QPSK	M	Outer_Full	NV	30	-0.246867	-0.000064	PASS
N77-370 0-3980	30	20	CP-QPSK	M	Outer_Full	NV	40	-2.027520	-0.000528	PASS
N77-370 0-3980	30	20	CP-QPSK	M	Outer_Full	NV	50	-12.242320	-0.003188	PASS
N77-370 0-3980	30	20	CP-16QAM	M	Outer_Full	NV	-30	-1.605042	-0.000418	PASS
N77-370 0-3980	30	20	CP-16QAM	M	Outer_Full	NV	-20	-2.914493	-0.000759	PASS
N77-370 0-3980	30	20	CP-16QAM	M	Outer_Full	NV	-10	-4.250680	-0.001107	PASS
N77-370 0-3980	30	20	CP-16QAM	M	Outer_Full	NV	0	-4.388856	-0.001143	PASS
N77-370 0-3980	30	20	CP-16QAM	M	Outer_Full	NV	10	-3.526717	-0.000918	PASS
N77-370 0-3980	30	20	CP-16QAM	M	Outer_Full	NV	20	-6.328629	-0.001648	PASS
N77-370 0-3980	30	20	CP-16QAM	M	Outer_Full	NV	30	-2.359353	-0.000614	PASS
N77-370 0-3980	30	20	CP-16QAM	M	Outer_Full	NV	40	-2.073027	-0.000540	PASS
N77-370 0-3980	30	20	CP-16QAM	M	Outer_Full	NV	50	-4.379537	-0.001141	PASS
N77-370 0-3980	30	20	CP-QPSK	H	Outer_Full	NV	-30	1.110926	0.000280	PASS
N77-370	30	20	CP-QPSK	H	Outer_Full	NV	-20	-2.022268	-0.000509	PASS

0-3980										
N77-370 0-3980	30	20	CP-QPSK	H	Outer_Full	NV	-10	-4.118285	-0.001037	PASS
N77-370 0-3980	30	20	CP-QPSK	H	Outer_Full	NV	0	-5.376512	-0.001354	PASS
N77-370 0-3980	30	20	CP-QPSK	H	Outer_Full	NV	10	4.392433	0.001106	PASS
N77-370 0-3980	30	20	CP-QPSK	H	Outer_Full	NV	20	0.247550	0.000062	PASS
N77-370 0-3980	30	20	CP-QPSK	H	Outer_Full	NV	30	-4.103622	-0.001034	PASS
N77-370 0-3980	30	20	CP-QPSK	H	Outer_Full	NV	40	-6.212414	-0.001565	PASS
N77-370 0-3980	30	20	CP-QPSK	H	Outer_Full	NV	50	-1.077183	-0.000271	PASS
N77-370 0-3980	30	20	CP-16QAM	H	Outer_Full	NV	-30	-2.885159	-0.000727	PASS
N77-370 0-3980	30	20	CP-16QAM	H	Outer_Full	NV	-20	0.419686	0.000106	PASS
N77-370 0-3980	30	20	CP-16QAM	H	Outer_Full	NV	-10	1.463375	0.000369	PASS
N77-370 0-3980	30	20	CP-16QAM	H	Outer_Full	NV	0	-5.125556	-0.001291	PASS
N77-370 0-3980	30	20	CP-16QAM	H	Outer_Full	NV	10	-3.119585	-0.000786	PASS
N77-370 0-3980	30	20	CP-16QAM	H	Outer_Full	NV	20	-1.868058	-0.000471	PASS
N77-370 0-3980	30	20	CP-16QAM	H	Outer_Full	NV	30	-1.969706	-0.000496	PASS
N77-370 0-3980	30	20	CP-16QAM	H	Outer_Full	NV	40	-5.635437	-0.001420	PASS
N77-370 0-3980	30	20	CP-16QAM	H	Outer_Full	NV	50	-3.354711	-0.000845	PASS
N77-370 0-3980	30	40	CP-QPSK	L	Outer_Full	NV	-30	-1.203384	-0.000323	PASS
N77-370 0-3980	30	40	CP-QPSK	L	Outer_Full	NV	-20	-6.766377	-0.001819	PASS
N77-370 0-3980	30	40	CP-QPSK	L	Outer_Full	NV	-10	-8.672791	-0.002331	PASS
N77-370 0-3980	30	40	CP-QPSK	L	Outer_Full	NV	0	-5.805666	-0.001561	PASS
N77-370	30	40	CP-QPSK	L	Outer_Full	NV	10	-7.169559	-0.001927	PASS

0-3980										
N77-370 0-3980	30	40	CP-QPSK	L	Outer_Full	NV	20	-5.250269	-0.001411	PASS
N77-370 0-3980	30	40	CP-QPSK	L	Outer_Full	NV	30	-2.436448	-0.000655	PASS
N77-370 0-3980	30	40	CP-QPSK	L	Outer_Full	NV	40	-1.480026	-0.000398	PASS
N77-370 0-3980	30	40	CP-QPSK	L	Outer_Full	NV	50	-7.048126	-0.001895	PASS
N77-370 0-3980	30	40	CP-16QAM	L	Outer_Full	NV	-30	-7.541099	-0.002027	PASS
N77-370 0-3980	30	40	CP-16QAM	L	Outer_Full	NV	-20	-4.974220	-0.001337	PASS
N77-370 0-3980	30	40	CP-16QAM	L	Outer_Full	NV	-10	-1.690486	-0.000454	PASS
N77-370 0-3980	30	40	CP-16QAM	L	Outer_Full	NV	0	0.126370	0.000034	PASS
N77-370 0-3980	30	40	CP-16QAM	L	Outer_Full	NV	10	-2.966349	-0.000797	PASS
N77-370 0-3980	30	40	CP-16QAM	L	Outer_Full	NV	20	-3.195991	-0.000859	PASS
N77-370 0-3980	30	40	CP-16QAM	L	Outer_Full	NV	30	-1.857445	-0.000499	PASS
N77-370 0-3980	30	40	CP-16QAM	L	Outer_Full	NV	40	-5.582307	-0.001501	PASS
N77-370 0-3980	30	40	CP-16QAM	L	Outer_Full	NV	50	-3.794257	-0.001020	PASS
N77-370 0-3980	30	40	CP-QPSK	M	Outer_Full	NV	-30	-3.356298	-0.000874	PASS
N77-370 0-3980	30	40	CP-QPSK	M	Outer_Full	NV	-20	-5.260733	-0.001370	PASS
N77-370 0-3980	30	40	CP-QPSK	M	Outer_Full	NV	-10	-2.427218	-0.000632	PASS
N77-370 0-3980	30	40	CP-QPSK	M	Outer_Full	NV	0	-10.273350	-0.002675	PASS
N77-370 0-3980	30	40	CP-QPSK	M	Outer_Full	NV	10	-0.871081	-0.000227	PASS
N77-370 0-3980	30	40	CP-QPSK	M	Outer_Full	NV	20	-3.776857	-0.000984	PASS
N77-370 0-3980	30	40	CP-QPSK	M	Outer_Full	NV	30	-5.586769	-0.001455	PASS
N77-370	30	40	CP-QPSK	M	Outer_Full	NV	40	-2.462151	-0.000641	PASS

0-3980										
N77-370 0-3980	30	40	CP-QPSK	M	Outer_Full	NV	50	-5.859789	-0.001526	PASS
N77-370 0-3980	30	40	CP-16QAM	M	Outer_Full	NV	-30	-1.930414	-0.000503	PASS
N77-370 0-3980	30	40	CP-16QAM	M	Outer_Full	NV	-20	-2.895636	-0.000754	PASS
N77-370 0-3980	30	40	CP-16QAM	M	Outer_Full	NV	-10	-10.320444	-0.002688	PASS
N77-370 0-3980	30	40	CP-16QAM	M	Outer_Full	NV	0	-7.447402	-0.001939	PASS
N77-370 0-3980	30	40	CP-16QAM	M	Outer_Full	NV	10	-2.432108	-0.000633	PASS
N77-370 0-3980	30	40	CP-16QAM	M	Outer_Full	NV	20	-8.808328	-0.002294	PASS
N77-370 0-3980	30	40	CP-16QAM	M	Outer_Full	NV	30	-7.062438	-0.001839	PASS
N77-370 0-3980	30	40	CP-16QAM	M	Outer_Full	NV	40	-8.968907	-0.002336	PASS
N77-370 0-3980	30	40	CP-16QAM	M	Outer_Full	NV	50	-5.208290	-0.001356	PASS
N77-370 0-3980	30	40	CP-QPSK	H	Outer_Full	NV	-30	-6.083227	-0.001536	PASS
N77-370 0-3980	30	40	CP-QPSK	H	Outer_Full	NV	-20	-7.221344	-0.001824	PASS
N77-370 0-3980	30	40	CP-QPSK	H	Outer_Full	NV	-10	-5.641715	-0.001425	PASS
N77-370 0-3980	30	40	CP-QPSK	H	Outer_Full	NV	0	0.224851	0.000057	PASS
N77-370 0-3980	30	40	CP-QPSK	H	Outer_Full	NV	10	3.291333	0.000831	PASS
N77-370 0-3980	30	40	CP-QPSK	H	Outer_Full	NV	20	-1.694520	-0.000428	PASS
N77-370 0-3980	30	40	CP-QPSK	H	Outer_Full	NV	30	-4.229734	-0.001068	PASS
N77-370 0-3980	30	40	CP-QPSK	H	Outer_Full	NV	40	-4.182295	-0.001056	PASS
N77-370 0-3980	30	40	CP-QPSK	H	Outer_Full	NV	50	2.079235	0.000525	PASS
N77-370 0-3980	30	40	CP-16QAM	H	Outer_Full	NV	-30	-2.346846	-0.000593	PASS
N77-370	30	40	CP-16QAM	H	Outer_Full	NV	-20	-3.017278	-0.000762	PASS

0-3980										
N77-370 0-3980	30	40	CP-16QAM	H	Outer_Full	NV	-10	3.068672	0.000775	PASS
N77-370 0-3980	30	40	CP-16QAM	H	Outer_Full	NV	0	-8.234276	-0.002079	PASS
N77-370 0-3980	30	40	CP-16QAM	H	Outer_Full	NV	10	-2.073564	-0.000524	PASS
N77-370 0-3980	30	40	CP-16QAM	H	Outer_Full	NV	20	-4.658126	-0.001176	PASS
N77-370 0-3980	30	40	CP-16QAM	H	Outer_Full	NV	30	-6.945541	-0.001754	PASS
N77-370 0-3980	30	40	CP-16QAM	H	Outer_Full	NV	40	-8.183762	-0.002067	PASS
N77-370 0-3980	30	40	CP-16QAM	H	Outer_Full	NV	50	-2.805069	-0.000708	PASS
N77-370 0-3980	30	50	CP-QPSK	L	Outer_Full	NV	-30	0.320026	0.000086	PASS
N77-370 0-3980	30	50	CP-QPSK	L	Outer_Full	NV	-20	-2.592203	-0.000696	PASS
N77-370 0-3980	30	50	CP-QPSK	L	Outer_Full	NV	-10	-5.871066	-0.001576	PASS
N77-370 0-3980	30	50	CP-QPSK	L	Outer_Full	NV	0	-4.211282	-0.001131	PASS
N77-370 0-3980	30	50	CP-QPSK	L	Outer_Full	NV	10	-5.859676	-0.001573	PASS
N77-370 0-3980	30	50	CP-QPSK	L	Outer_Full	NV	20	-0.746130	-0.000200	PASS
N77-370 0-3980	30	50	CP-QPSK	L	Outer_Full	NV	30	-7.321439	-0.001965	PASS
N77-370 0-3980	30	50	CP-QPSK	L	Outer_Full	NV	40	-4.187747	-0.001124	PASS
N77-370 0-3980	30	50	CP-QPSK	L	Outer_Full	NV	50	-2.698954	-0.000725	PASS
N77-370 0-3980	30	50	CP-16QAM	L	Outer_Full	NV	-30	-9.019554	-0.002421	PASS
N77-370 0-3980	30	50	CP-16QAM	L	Outer_Full	NV	-20	-1.184396	-0.000318	PASS
N77-370 0-3980	30	50	CP-16QAM	L	Outer_Full	NV	-10	-4.066793	-0.001092	PASS
N77-370 0-3980	30	50	CP-16QAM	L	Outer_Full	NV	0	-7.760405	-0.002083	PASS
N77-370	30	50	CP-16QAM	L	Outer_Full	NV	10	-5.731081	-0.001539	PASS

0-3980										
N77-370 0-3980	30	50	CP-16QAM	L	Outer_Full	NV	20	-4.861204	-0.001305	PASS
N77-370 0-3980	30	50	CP-16QAM	L	Outer_Full	NV	30	0.135981	0.000037	PASS
N77-370 0-3980	30	50	CP-16QAM	L	Outer_Full	NV	40	-1.407783	-0.000378	PASS
N77-370 0-3980	30	50	CP-16QAM	L	Outer_Full	NV	50	-12.449549	-0.003342	PASS
N77-370 0-3980	30	50	CP-QPSK	M	Outer_Full	NV	-30	-0.853010	-0.000222	PASS
N77-370 0-3980	30	50	CP-QPSK	M	Outer_Full	NV	-20	-5.037316	-0.001312	PASS
N77-370 0-3980	30	50	CP-QPSK	M	Outer_Full	NV	-10	-2.298100	-0.000598	PASS
N77-370 0-3980	30	50	CP-QPSK	M	Outer_Full	NV	0	-7.721608	-0.002011	PASS
N77-370 0-3980	30	50	CP-QPSK	M	Outer_Full	NV	10	-4.566384	-0.001189	PASS
N77-370 0-3980	30	50	CP-QPSK	M	Outer_Full	NV	20	-7.370879	-0.001920	PASS
N77-370 0-3980	30	50	CP-QPSK	M	Outer_Full	NV	30	-6.960914	-0.001813	PASS
N77-370 0-3980	30	50	CP-QPSK	M	Outer_Full	NV	40	-3.638266	-0.000947	PASS
N77-370 0-3980	30	50	CP-QPSK	M	Outer_Full	NV	50	-10.482413	-0.002730	PASS
N77-370 0-3980	30	50	CP-16QAM	M	Outer_Full	NV	-30	-5.614898	-0.001462	PASS
N77-370 0-3980	30	50	CP-16QAM	M	Outer_Full	NV	-20	-5.486374	-0.001429	PASS
N77-370 0-3980	30	50	CP-16QAM	M	Outer_Full	NV	-10	0.537409	0.000140	PASS
N77-370 0-3980	30	50	CP-16QAM	M	Outer_Full	NV	0	-3.843835	-0.001001	PASS
N77-370 0-3980	30	50	CP-16QAM	M	Outer_Full	NV	10	-4.254872	-0.001108	PASS
N77-370 0-3980	30	50	CP-16QAM	M	Outer_Full	NV	20	-6.425677	-0.001673	PASS
N77-370 0-3980	30	50	CP-16QAM	M	Outer_Full	NV	30	1.364874	0.000355	PASS
N77-370	30	50	CP-16QAM	M	Outer_Full	NV	40	-6.629903	-0.001727	PASS

0-3980										
N77-370 0-3980	30	50	CP-16QAM	M	Outer_Full	NV	50	-7.254094	-0.001889	PASS
N77-370 0-3980	30	50	CP-QPSK	H	Outer_Full	NV	-30	-1.936246	-0.000490	PASS
N77-370 0-3980	30	50	CP-QPSK	H	Outer_Full	NV	-20	-8.609211	-0.002177	PASS
N77-370 0-3980	30	50	CP-QPSK	H	Outer_Full	NV	-10	-4.677892	-0.001183	PASS
N77-370 0-3980	30	50	CP-QPSK	H	Outer_Full	NV	0	2.365351	0.000598	PASS
N77-370 0-3980	30	50	CP-QPSK	H	Outer_Full	NV	10	-3.588793	-0.000907	PASS
N77-370 0-3980	30	50	CP-QPSK	H	Outer_Full	NV	20	-12.117157	-0.003064	PASS
N77-370 0-3980	30	50	CP-QPSK	H	Outer_Full	NV	30	-10.378170	-0.002624	PASS
N77-370 0-3980	30	50	CP-QPSK	H	Outer_Full	NV	40	-4.157269	-0.001051	PASS
N77-370 0-3980	30	50	CP-QPSK	H	Outer_Full	NV	50	-5.229699	-0.001322	PASS
N77-370 0-3980	30	50	CP-16QAM	H	Outer_Full	NV	-30	-4.222481	-0.001068	PASS
N77-370 0-3980	30	50	CP-16QAM	H	Outer_Full	NV	-20	-13.639587	-0.003449	PASS
N77-370 0-3980	30	50	CP-16QAM	H	Outer_Full	NV	-10	-8.915638	-0.002254	PASS
N77-370 0-3980	30	50	CP-16QAM	H	Outer_Full	NV	0	-4.658061	-0.001178	PASS
N77-370 0-3980	30	50	CP-16QAM	H	Outer_Full	NV	10	-7.042308	-0.001781	PASS
N77-370 0-3980	30	50	CP-16QAM	H	Outer_Full	NV	20	-2.159828	-0.000546	PASS
N77-370 0-3980	30	50	CP-16QAM	H	Outer_Full	NV	30	-2.685819	-0.000679	PASS
N77-370 0-3980	30	50	CP-16QAM	H	Outer_Full	NV	40	-4.210276	-0.001065	PASS
N77-370 0-3980	30	50	CP-16QAM	H	Outer_Full	NV	50	-1.955858	-0.000495	PASS
N77-370 0-3980	30	60	CP-QPSK	L	Outer_Full	NV	-30	-1.958896	-0.000525	PASS
N77-370	30	60	CP-QPSK	L	Outer_Full	NV	-20	-5.411448	-0.001451	PASS

0-3980										
N77-370 0-3980	30	60	CP-QPSK	L	Outer_Full	NV	-10	-5.370505	-0.001440	PASS
N77-370 0-3980	30	60	CP-QPSK	L	Outer_Full	NV	0	-3.030776	-0.000813	PASS
N77-370 0-3980	30	60	CP-QPSK	L	Outer_Full	NV	10	-6.236811	-0.001672	PASS
N77-370 0-3980	30	60	CP-QPSK	L	Outer_Full	NV	20	4.116055	0.001103	PASS
N77-370 0-3980	30	60	CP-QPSK	L	Outer_Full	NV	30	2.141765	0.000574	PASS
N77-370 0-3980	30	60	CP-QPSK	L	Outer_Full	NV	40	-4.365868	-0.001170	PASS
N77-370 0-3980	30	60	CP-QPSK	L	Outer_Full	NV	50	-3.993765	-0.001071	PASS
N77-370 0-3980	30	60	CP-16QAM	L	Outer_Full	NV	-30	-7.166822	-0.001921	PASS
N77-370 0-3980	30	60	CP-16QAM	L	Outer_Full	NV	-20	-3.700829	-0.000992	PASS
N77-370 0-3980	30	60	CP-16QAM	L	Outer_Full	NV	-10	-2.823674	-0.000757	PASS
N77-370 0-3980	30	60	CP-16QAM	L	Outer_Full	NV	0	-2.988384	-0.000801	PASS
N77-370 0-3980	30	60	CP-16QAM	L	Outer_Full	NV	10	-2.491711	-0.000668	PASS
N77-370 0-3980	30	60	CP-16QAM	L	Outer_Full	NV	20	0.344446	0.000092	PASS
N77-370 0-3980	30	60	CP-16QAM	L	Outer_Full	NV	30	-4.208899	-0.001128	PASS
N77-370 0-3980	30	60	CP-16QAM	L	Outer_Full	NV	40	-7.854961	-0.002106	PASS
N77-370 0-3980	30	60	CP-16QAM	L	Outer_Full	NV	50	0.561806	0.000151	PASS
N77-370 0-3980	30	60	CP-QPSK	M	Outer_Full	NV	-30	2.142253	0.000558	PASS
N77-370 0-3980	30	60	CP-QPSK	M	Outer_Full	NV	-20	-2.824051	-0.000735	PASS
N77-370 0-3980	30	60	CP-QPSK	M	Outer_Full	NV	-10	-4.139710	-0.001078	PASS
N77-370 0-3980	30	60	CP-QPSK	M	Outer_Full	NV	0	-4.834439	-0.001259	PASS
N77-370	30	60	CP-QPSK	M	Outer_Full	NV	10	-3.392357	-0.000883	PASS

0-3980										
N77-370 0-3980	30	60	CP-QPSK	M	Outer_Full	NV	20	-0.278315	-0.000072	PASS
N77-370 0-3980	30	60	CP-QPSK	M	Outer_Full	NV	30	-1.594051	-0.000415	PASS
N77-370 0-3980	30	60	CP-QPSK	M	Outer_Full	NV	40	-4.970694	-0.001294	PASS
N77-370 0-3980	30	60	CP-QPSK	M	Outer_Full	NV	50	-5.444456	-0.001418	PASS
N77-370 0-3980	30	60	CP-16QAM	M	Outer_Full	NV	-30	-3.884842	-0.001012	PASS
N77-370 0-3980	30	60	CP-16QAM	M	Outer_Full	NV	-20	-4.405284	-0.001147	PASS
N77-370 0-3980	30	60	CP-16QAM	M	Outer_Full	NV	-10	-2.298158	-0.000598	PASS
N77-370 0-3980	30	60	CP-16QAM	M	Outer_Full	NV	0	-0.547781	-0.000143	PASS
N77-370 0-3980	30	60	CP-16QAM	M	Outer_Full	NV	10	-5.101004	-0.001328	PASS
N77-370 0-3980	30	60	CP-16QAM	M	Outer_Full	NV	20	-3.894857	-0.001014	PASS
N77-370 0-3980	30	60	CP-16QAM	M	Outer_Full	NV	30	-0.007993	-0.000002	PASS
N77-370 0-3980	30	60	CP-16QAM	M	Outer_Full	NV	40	-2.909465	-0.000758	PASS
N77-370 0-3980	30	60	CP-16QAM	M	Outer_Full	NV	50	-8.460403	-0.002203	PASS
N77-370 0-3980	30	60	CP-QPSK	H	Outer_Full	NV	-30	-3.797996	-0.000962	PASS
N77-370 0-3980	30	60	CP-QPSK	H	Outer_Full	NV	-20	-2.291047	-0.000580	PASS
N77-370 0-3980	30	60	CP-QPSK	H	Outer_Full	NV	-10	-6.853465	-0.001735	PASS
N77-370 0-3980	30	60	CP-QPSK	H	Outer_Full	NV	0	-6.378500	-0.001615	PASS
N77-370 0-3980	30	60	CP-QPSK	H	Outer_Full	NV	10	-0.491297	-0.000124	PASS
N77-370 0-3980	30	60	CP-QPSK	H	Outer_Full	NV	20	-5.065053	-0.001282	PASS
N77-370 0-3980	30	60	CP-QPSK	H	Outer_Full	NV	30	-1.756144	-0.000445	PASS
N77-370	30	60	CP-QPSK	H	Outer_Full	NV	40	-1.387318	-0.000351	PASS

0-3980										
N77-370 0-3980	30	60	CP-QPSK	H	Outer_Full	NV	50	-4.605606	-0.001166	PASS
N77-370 0-3980	30	60	CP-16QAM	H	Outer_Full	NV	-30	-9.901832	-0.002507	PASS
N77-370 0-3980	30	60	CP-16QAM	H	Outer_Full	NV	-20	-3.497355	-0.000885	PASS
N77-370 0-3980	30	60	CP-16QAM	H	Outer_Full	NV	-10	-6.086730	-0.001541	PASS
N77-370 0-3980	30	60	CP-16QAM	H	Outer_Full	NV	0	-9.275383	-0.002348	PASS
N77-370 0-3980	30	60	CP-16QAM	H	Outer_Full	NV	10	-2.066682	-0.000523	PASS
N77-370 0-3980	30	60	CP-16QAM	H	Outer_Full	NV	20	-0.805440	-0.000204	PASS
N77-370 0-3980	30	60	CP-16QAM	H	Outer_Full	NV	30	-5.450264	-0.001380	PASS
N77-370 0-3980	30	60	CP-16QAM	H	Outer_Full	NV	40	-4.000334	-0.001013	PASS
N77-370 0-3980	30	60	CP-16QAM	H	Outer_Full	NV	50	1.869714	0.000473	PASS
N77-370 0-3980	30	80	CP-QPSK	L	Outer_Full	NV	-30	-0.805270	-0.000215	PASS
N77-370 0-3980	30	80	CP-QPSK	L	Outer_Full	NV	-20	-1.137319	-0.000304	PASS
N77-370 0-3980	30	80	CP-QPSK	L	Outer_Full	NV	-10	-1.350838	-0.000361	PASS
N77-370 0-3980	30	80	CP-QPSK	L	Outer_Full	NV	0	-5.227998	-0.001398	PASS
N77-370 0-3980	30	80	CP-QPSK	L	Outer_Full	NV	10	-6.874864	-0.001838	PASS
N77-370 0-3980	30	80	CP-QPSK	L	Outer_Full	NV	20	2.390317	0.000639	PASS
N77-370 0-3980	30	80	CP-QPSK	L	Outer_Full	NV	30	-5.695215	-0.001523	PASS
N77-370 0-3980	30	80	CP-QPSK	L	Outer_Full	NV	40	-6.802545	-0.001819	PASS
N77-370 0-3980	30	80	CP-QPSK	L	Outer_Full	NV	50	-1.953640	-0.000522	PASS
N77-370 0-3980	30	80	CP-16QAM	L	Outer_Full	NV	-30	-3.117494	-0.000834	PASS
N77-370	30	80	CP-16QAM	L	Outer_Full	NV	-20	-1.972082	-0.000527	PASS

0-3980										
N77-370 0-3980	30	80	CP-16QAM	L	Outer_Full	NV	-10	-8.292286	-0.002217	PASS
N77-370 0-3980	30	80	CP-16QAM	L	Outer_Full	NV	0	-4.640644	-0.001241	PASS
N77-370 0-3980	30	80	CP-16QAM	L	Outer_Full	NV	10	-3.967359	-0.001061	PASS
N77-370 0-3980	30	80	CP-16QAM	L	Outer_Full	NV	20	0.091030	0.000024	PASS
N77-370 0-3980	30	80	CP-16QAM	L	Outer_Full	NV	30	-4.754548	-0.001271	PASS
N77-370 0-3980	30	80	CP-16QAM	L	Outer_Full	NV	40	-1.852892	-0.000495	PASS
N77-370 0-3980	30	80	CP-16QAM	L	Outer_Full	NV	50	-3.374115	-0.000902	PASS
N77-370 0-3980	30	80	CP-QPSK	M	Outer_Full	NV	-30	-8.784328	-0.002288	PASS
N77-370 0-3980	30	80	CP-QPSK	M	Outer_Full	NV	-20	-4.149793	-0.001081	PASS
N77-370 0-3980	30	80	CP-QPSK	M	Outer_Full	NV	-10	1.587007	0.000413	PASS
N77-370 0-3980	30	80	CP-QPSK	M	Outer_Full	NV	0	-5.762557	-0.001501	PASS
N77-370 0-3980	30	80	CP-QPSK	M	Outer_Full	NV	10	-5.567437	-0.001450	PASS
N77-370 0-3980	30	80	CP-QPSK	M	Outer_Full	NV	20	2.848725	0.000742	PASS
N77-370 0-3980	30	80	CP-QPSK	M	Outer_Full	NV	30	-3.860990	-0.001005	PASS
N77-370 0-3980	30	80	CP-QPSK	M	Outer_Full	NV	40	-4.976535	-0.001296	PASS
N77-370 0-3980	30	80	CP-QPSK	M	Outer_Full	NV	50	1.207921	0.000315	PASS
N77-370 0-3980	30	80	CP-16QAM	M	Outer_Full	NV	-30	0.612459	0.000159	PASS
N77-370 0-3980	30	80	CP-16QAM	M	Outer_Full	NV	-20	-6.465147	-0.001684	PASS
N77-370 0-3980	30	80	CP-16QAM	M	Outer_Full	NV	-10	3.680787	0.000959	PASS
N77-370 0-3980	30	80	CP-16QAM	M	Outer_Full	NV	0	-5.957328	-0.001551	PASS
N77-370	30	80	CP-16QAM	M	Outer_Full	NV	10	-4.294305	-0.001118	PASS

0-3980										
N77-370 0-3980	30	80	CP-16QAM	M	Outer_Full	NV	20	-4.903482	-0.001277	PASS
N77-370 0-3980	30	80	CP-16QAM	M	Outer_Full	NV	30	-8.790408	-0.002289	PASS
N77-370 0-3980	30	80	CP-16QAM	M	Outer_Full	NV	40	-1.565582	-0.000408	PASS
N77-370 0-3980	30	80	CP-16QAM	M	Outer_Full	NV	50	-7.450185	-0.001940	PASS
N77-370 0-3980	30	80	CP-QPSK	H	Outer_Full	NV	-30	-2.694848	-0.000684	PASS
N77-370 0-3980	30	80	CP-QPSK	H	Outer_Full	NV	-20	-8.063396	-0.002047	PASS
N77-370 0-3980	30	80	CP-QPSK	H	Outer_Full	NV	-10	-3.771396	-0.000957	PASS
N77-370 0-3980	30	80	CP-QPSK	H	Outer_Full	NV	0	-5.476428	-0.001390	PASS
N77-370 0-3980	30	80	CP-QPSK	H	Outer_Full	NV	10	0.762558	0.000194	PASS
N77-370 0-3980	30	80	CP-QPSK	H	Outer_Full	NV	20	-4.485814	-0.001139	PASS
N77-370 0-3980	30	80	CP-QPSK	H	Outer_Full	NV	30	1.769245	0.000449	PASS
N77-370 0-3980	30	80	CP-QPSK	H	Outer_Full	NV	40	-8.245591	-0.002093	PASS
N77-370 0-3980	30	80	CP-QPSK	H	Outer_Full	NV	50	-0.303719	-0.000077	PASS
N77-370 0-3980	30	80	CP-16QAM	H	Outer_Full	NV	-30	-4.691464	-0.001191	PASS
N77-370 0-3980	30	80	CP-16QAM	H	Outer_Full	NV	-20	-4.610042	-0.001170	PASS
N77-370 0-3980	30	80	CP-16QAM	H	Outer_Full	NV	-10	0.602346	0.000153	PASS
N77-370 0-3980	30	80	CP-16QAM	H	Outer_Full	NV	0	0.228785	0.000058	PASS
N77-370 0-3980	30	80	CP-16QAM	H	Outer_Full	NV	10	-3.687201	-0.000936	PASS
N77-370 0-3980	30	80	CP-16QAM	H	Outer_Full	NV	20	-3.941051	-0.001000	PASS
N77-370 0-3980	30	80	CP-16QAM	H	Outer_Full	NV	30	0.563913	0.000143	PASS
N77-370	30	80	CP-16QAM	H	Outer_Full	NV	40	-5.197694	-0.001319	PASS

0-3980										
N77-370 0-3980	30	80	CP-16QAM	H	Outer_Full	NV	50	-4.454729	-0.001131	PASS
N77-370 0-3980	30	90	CP-QPSK	L	Outer_Full	NV	-30	-6.824542	-0.001822	PASS
N77-370 0-3980	30	90	CP-QPSK	L	Outer_Full	NV	-20	-0.450761	-0.000120	PASS
N77-370 0-3980	30	90	CP-QPSK	L	Outer_Full	NV	-10	-10.677419	-0.002851	PASS
N77-370 0-3980	30	90	CP-QPSK	L	Outer_Full	NV	0	2.828733	0.000755	PASS
N77-370 0-3980	30	90	CP-QPSK	L	Outer_Full	NV	10	-1.765950	-0.000472	PASS
N77-370 0-3980	30	90	CP-QPSK	L	Outer_Full	NV	20	-6.198711	-0.001655	PASS
N77-370 0-3980	30	90	CP-QPSK	L	Outer_Full	NV	30	-3.713036	-0.000991	PASS
N77-370 0-3980	30	90	CP-QPSK	L	Outer_Full	NV	40	-2.170392	-0.000580	PASS
N77-370 0-3980	30	90	CP-QPSK	L	Outer_Full	NV	50	-6.384109	-0.001705	PASS
N77-370 0-3980	30	90	CP-16QAM	L	Outer_Full	NV	-30	-4.636545	-0.001238	PASS
N77-370 0-3980	30	90	CP-16QAM	L	Outer_Full	NV	-20	-1.152472	-0.000308	PASS
N77-370 0-3980	30	90	CP-16QAM	L	Outer_Full	NV	-10	-5.107574	-0.001364	PASS
N77-370 0-3980	30	90	CP-16QAM	L	Outer_Full	NV	0	-7.659811	-0.002045	PASS
N77-370 0-3980	30	90	CP-16QAM	L	Outer_Full	NV	10	-2.918743	-0.000779	PASS
N77-370 0-3980	30	90	CP-16QAM	L	Outer_Full	NV	20	-4.195443	-0.001120	PASS
N77-370 0-3980	30	90	CP-16QAM	L	Outer_Full	NV	30	-4.858013	-0.001297	PASS
N77-370 0-3980	30	90	CP-16QAM	L	Outer_Full	NV	40	-4.540173	-0.001212	PASS
N77-370 0-3980	30	90	CP-16QAM	L	Outer_Full	NV	50	-4.231339	-0.001130	PASS
N77-370 0-3980	30	90	CP-QPSK	M	Outer_Full	NV	-30	-11.338916	-0.002953	PASS
N77-370	30	90	CP-QPSK	M	Outer_Full	NV	-20	-6.484713	-0.001689	PASS

0-3980										
N77-370 0-3980	30	90	CP-QPSK	M	Outer_Full	NV	-10	1.988591	0.000518	PASS
N77-370 0-3980	30	90	CP-QPSK	M	Outer_Full	NV	0	-0.723723	-0.000188	PASS
N77-370 0-3980	30	90	CP-QPSK	M	Outer_Full	NV	10	-2.779978	-0.000724	PASS
N77-370 0-3980	30	90	CP-QPSK	M	Outer_Full	NV	20	-2.917171	-0.000760	PASS
N77-370 0-3980	30	90	CP-QPSK	M	Outer_Full	NV	30	-1.254391	-0.000327	PASS
N77-370 0-3980	30	90	CP-QPSK	M	Outer_Full	NV	40	4.194446	0.001092	PASS
N77-370 0-3980	30	90	CP-QPSK	M	Outer_Full	NV	50	-3.466992	-0.000903	PASS
N77-370 0-3980	30	90	CP-16QAM	M	Outer_Full	NV	-30	-2.910575	-0.000758	PASS
N77-370 0-3980	30	90	CP-16QAM	M	Outer_Full	NV	-20	-6.279881	-0.001635	PASS
N77-370 0-3980	30	90	CP-16QAM	M	Outer_Full	NV	-10	1.767418	0.000460	PASS
N77-370 0-3980	30	90	CP-16QAM	M	Outer_Full	NV	0	-0.215688	-0.000056	PASS
N77-370 0-3980	30	90	CP-16QAM	M	Outer_Full	NV	10	-4.756616	-0.001239	PASS
N77-370 0-3980	30	90	CP-16QAM	M	Outer_Full	NV	20	0.605353	0.000158	PASS
N77-370 0-3980	30	90	CP-16QAM	M	Outer_Full	NV	30	-5.820933	-0.001516	PASS
N77-370 0-3980	30	90	CP-16QAM	M	Outer_Full	NV	40	-5.152764	-0.001342	PASS
N77-370 0-3980	30	90	CP-16QAM	M	Outer_Full	NV	50	-2.818047	-0.000734	PASS
N77-370 0-3980	30	90	CP-QPSK	H	Outer_Full	NV	-30	-2.134659	-0.000542	PASS
N77-370 0-3980	30	90	CP-QPSK	H	Outer_Full	NV	-20	-4.950943	-0.001258	PASS
N77-370 0-3980	30	90	CP-QPSK	H	Outer_Full	NV	-10	-6.183882	-0.001572	PASS
N77-370 0-3980	30	90	CP-QPSK	H	Outer_Full	NV	0	-1.256508	-0.000319	PASS
N77-370	30	90	CP-QPSK	H	Outer_Full	NV	10	-10.027388	-0.002548	PASS

0-3980										
N77-370 0-3980	30	90	CP-QPSK	H	Outer_Full	NV	20	-2.832034	-0.000720	PASS
N77-370 0-3980	30	90	CP-QPSK	H	Outer_Full	NV	30	1.731926	0.000440	PASS
N77-370 0-3980	30	90	CP-QPSK	H	Outer_Full	NV	40	1.535764	0.000390	PASS
N77-370 0-3980	30	90	CP-QPSK	H	Outer_Full	NV	50	-5.829974	-0.001482	PASS
N77-370 0-3980	30	90	CP-16QAM	H	Outer_Full	NV	-30	-4.223287	-0.001073	PASS
N77-370 0-3980	30	90	CP-16QAM	H	Outer_Full	NV	-20	0.336442	0.000086	PASS
N77-370 0-3980	30	90	CP-16QAM	H	Outer_Full	NV	-10	-3.359532	-0.000854	PASS
N77-370 0-3980	30	90	CP-16QAM	H	Outer_Full	NV	0	-6.060654	-0.001540	PASS
N77-370 0-3980	30	90	CP-16QAM	H	Outer_Full	NV	10	-2.375475	-0.000604	PASS
N77-370 0-3980	30	90	CP-16QAM	H	Outer_Full	NV	20	-2.263339	-0.000575	PASS
N77-370 0-3980	30	90	CP-16QAM	H	Outer_Full	NV	30	-7.491055	-0.001904	PASS
N77-370 0-3980	30	90	CP-16QAM	H	Outer_Full	NV	40	-4.680721	-0.001190	PASS
N77-370 0-3980	30	90	CP-16QAM	H	Outer_Full	NV	50	-10.611335	-0.002697	PASS
N77-370 0-3980	30	100	CP-QPSK	L	Outer_Full	NV	-30	-8.490989	-0.002264	PASS
N77-370 0-3980	30	100	CP-QPSK	L	Outer_Full	NV	-20	-5.923132	-0.001580	PASS
N77-370 0-3980	30	100	CP-QPSK	L	Outer_Full	NV	-10	-5.895574	-0.001572	PASS
N77-370 0-3980	30	100	CP-QPSK	L	Outer_Full	NV	0	-4.344575	-0.001159	PASS
N77-370 0-3980	30	100	CP-QPSK	L	Outer_Full	NV	10	-1.713472	-0.000457	PASS
N77-370 0-3980	30	100	CP-QPSK	L	Outer_Full	NV	20	-3.858651	-0.001029	PASS
N77-370 0-3980	30	100	CP-QPSK	L	Outer_Full	NV	30	-3.266407	-0.000871	PASS
N77-370	30	100	CP-QPSK	L	Outer_Full	NV	40	-4.133572	-0.001102	PASS

0-3980										
N77-370 0-3980	30	100	CP-QPSK	L	Outer_Full	NV	50	-2.022767	-0.000539	PASS
N77-370 0-3980	30	100	CP-16QAM	L	Outer_Full	NV	-30	-4.698657	-0.001253	PASS
N77-370 0-3980	30	100	CP-16QAM	L	Outer_Full	NV	-20	-10.212692	-0.002723	PASS
N77-370 0-3980	30	100	CP-16QAM	L	Outer_Full	NV	-10	-5.964219	-0.001590	PASS
N77-370 0-3980	30	100	CP-16QAM	L	Outer_Full	NV	0	-5.035674	-0.001343	PASS
N77-370 0-3980	30	100	CP-16QAM	L	Outer_Full	NV	10	0.740661	0.000198	PASS
N77-370 0-3980	30	100	CP-16QAM	L	Outer_Full	NV	20	-10.255211	-0.002735	PASS
N77-370 0-3980	30	100	CP-16QAM	L	Outer_Full	NV	30	-1.137562	-0.000303	PASS
N77-370 0-3980	30	100	CP-16QAM	L	Outer_Full	NV	40	-1.791416	-0.000478	PASS
N77-370 0-3980	30	100	CP-16QAM	L	Outer_Full	NV	50	-5.193412	-0.001385	PASS
N77-370 0-3980	30	100	CP-QPSK	M	Outer_Full	NV	-30	-1.282605	-0.000334	PASS
N77-370 0-3980	30	100	CP-QPSK	M	Outer_Full	NV	-20	-2.297713	-0.000598	PASS
N77-370 0-3980	30	100	CP-QPSK	M	Outer_Full	NV	-10	-7.581706	-0.001974	PASS
N77-370 0-3980	30	100	CP-QPSK	M	Outer_Full	NV	0	-8.416598	-0.002192	PASS
N77-370 0-3980	30	100	CP-QPSK	M	Outer_Full	NV	10	-4.323421	-0.001126	PASS
N77-370 0-3980	30	100	CP-QPSK	M	Outer_Full	NV	20	-3.912040	-0.001019	PASS
N77-370 0-3980	30	100	CP-QPSK	M	Outer_Full	NV	30	0.243073	0.000063	PASS
N77-370 0-3980	30	100	CP-QPSK	M	Outer_Full	NV	40	-5.308275	-0.001382	PASS
N77-370 0-3980	30	100	CP-QPSK	M	Outer_Full	NV	50	0.746764	0.000194	PASS
N77-370 0-3980	30	100	CP-16QAM	M	Outer_Full	NV	-30	-5.638143	-0.001468	PASS
N77-370	30	100	CP-16QAM	M	Outer_Full	NV	-20	-6.435409	-0.001676	PASS

0-3980										
N77-370 0-3980	30	100	CP-16QAM	M	Outer_Full	NV	-10	-1.824844	-0.000475	PASS
N77-370 0-3980	30	100	CP-16QAM	M	Outer_Full	NV	0	-0.635957	-0.000166	PASS
N77-370 0-3980	30	100	CP-16QAM	M	Outer_Full	NV	10	-0.311131	-0.000081	PASS
N77-370 0-3980	30	100	CP-16QAM	M	Outer_Full	NV	20	-5.563413	-0.001449	PASS
N77-370 0-3980	30	100	CP-16QAM	M	Outer_Full	NV	30	-7.231223	-0.001883	PASS
N77-370 0-3980	30	100	CP-16QAM	M	Outer_Full	NV	40	-0.096145	-0.000025	PASS
N77-370 0-3980	30	100	CP-16QAM	M	Outer_Full	NV	50	-4.297857	-0.001119	PASS
N77-370 0-3980	30	100	CP-QPSK	H	Outer_Full	NV	-30	-7.373932	-0.001876	PASS
N77-370 0-3980	30	100	CP-QPSK	H	Outer_Full	NV	-20	-4.891578	-0.001245	PASS
N77-370 0-3980	30	100	CP-QPSK	H	Outer_Full	NV	-10	-5.658661	-0.001440	PASS
N77-370 0-3980	30	100	CP-QPSK	H	Outer_Full	NV	0	-3.070549	-0.000781	PASS
N77-370 0-3980	30	100	CP-QPSK	H	Outer_Full	NV	10	-0.517677	-0.000132	PASS
N77-370 0-3980	30	100	CP-QPSK	H	Outer_Full	NV	20	-1.861147	-0.000474	PASS
N77-370 0-3980	30	100	CP-QPSK	H	Outer_Full	NV	30	-6.407134	-0.001630	PASS
N77-370 0-3980	30	100	CP-QPSK	H	Outer_Full	NV	40	-8.961881	-0.002280	PASS
N77-370 0-3980	30	100	CP-QPSK	H	Outer_Full	NV	50	-7.645363	-0.001945	PASS
N77-370 0-3980	30	100	CP-16QAM	H	Outer_Full	NV	-30	-11.920449	-0.003033	PASS
N77-370 0-3980	30	100	CP-16QAM	H	Outer_Full	NV	-20	-2.723242	-0.000693	PASS
N77-370 0-3980	30	100	CP-16QAM	H	Outer_Full	NV	-10	-4.335010	-0.001103	PASS
N77-370 0-3980	30	100	CP-16QAM	H	Outer_Full	NV	0	-10.523872	-0.002678	PASS
N77-370	30	100	CP-16QAM	H	Outer_Full	NV	10	-7.796791	-0.001984	PASS

0-3980										
N77-370 0-3980	30	100	CP-16QAM	H	Outer_Full	NV	20	-6.384894	-0.001625	PASS
N77-370 0-3980	30	100	CP-16QAM	H	Outer_Full	NV	30	-0.454101	-0.000116	PASS
N77-370 0-3980	30	100	CP-16QAM	H	Outer_Full	NV	40	-5.863400	-0.001492	PASS
N77-370 0-3980	30	100	CP-16QAM	H	Outer_Full	NV	50	-1.070492	-0.000272	PASS