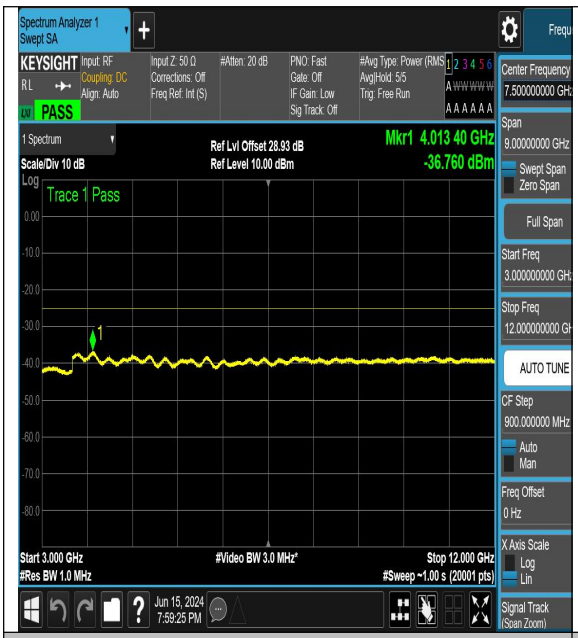

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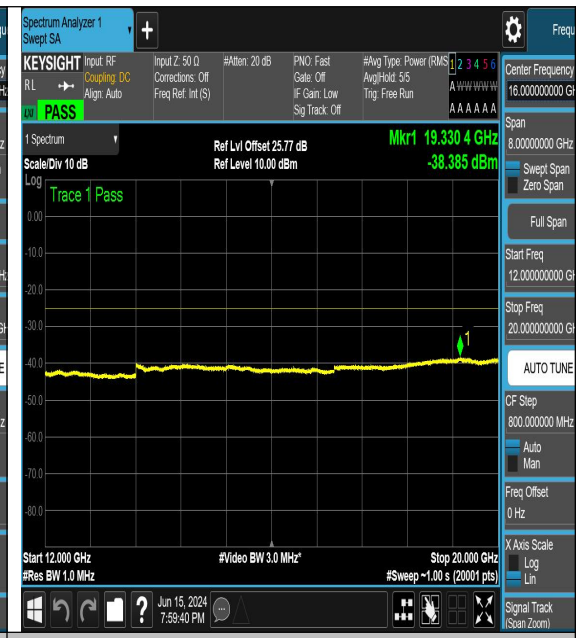

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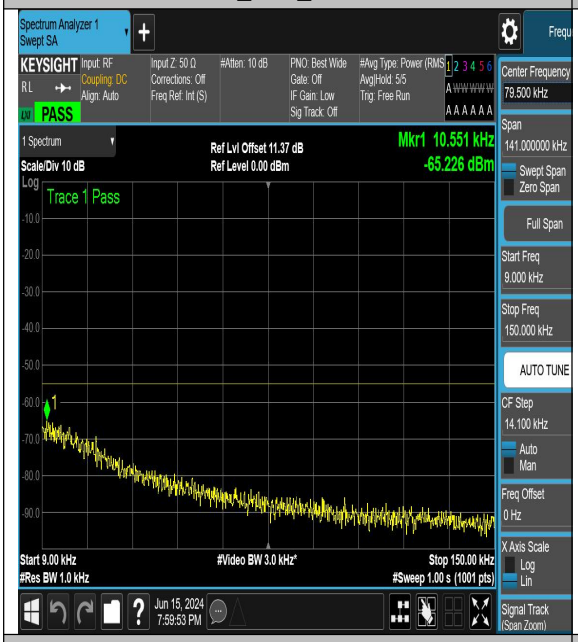

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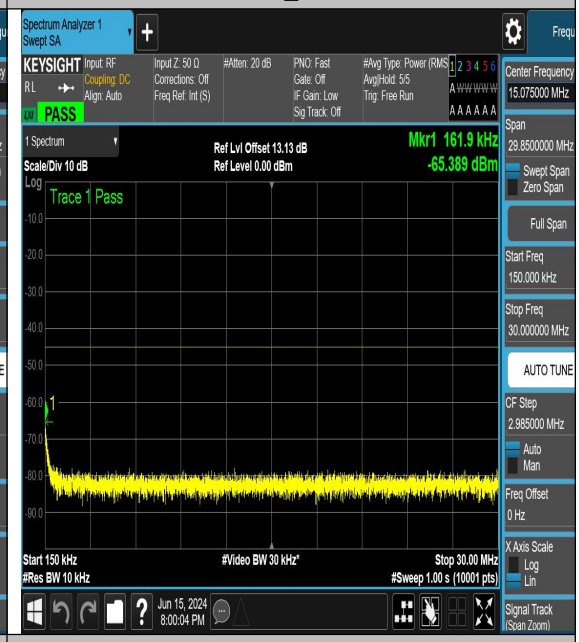

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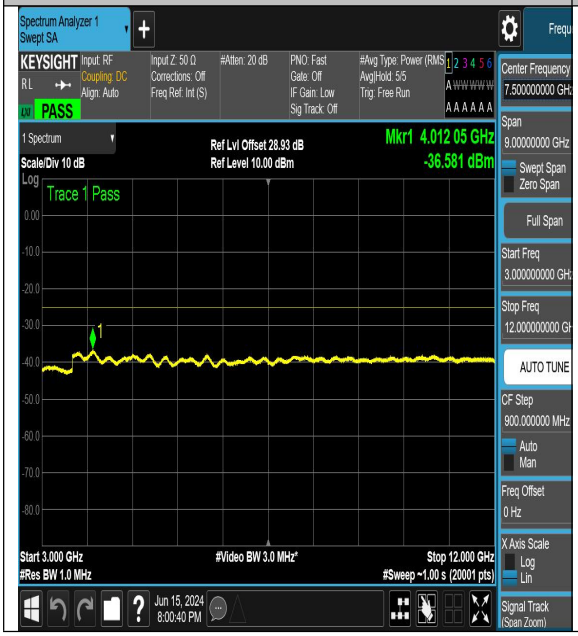

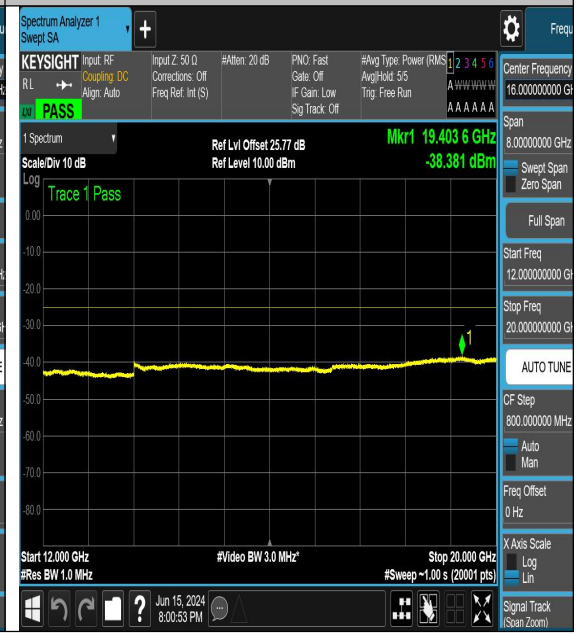

Appendix F: Frequency Stability for SA

Test Result

Frequency Error VS. Voltage

Voltage										
Band	SCS	Bandwidth	Modulation	Channel	RB Config	Voltage	Temperature	Deviation(Hz)	Deviation (ppm)	Verdict
N38	30	10	DFT-QPSK	L	Outer_Full	VL	NT	2.000000	0.000777	PASS
N38	30	10	DFT-QPSK	L	Outer_Full	VN	NT	8.000000	0.003107	PASS
N38	30	10	DFT-QPSK	L	Outer_Full	VH	NT	17.000000	0.006602	PASS
N38	30	10	DFT-16QAM	L	Outer_Full	VL	NT	9.000000	0.003495	PASS
N38	30	10	DFT-16QAM	L	Outer_Full	VN	NT	3.000000	0.001165	PASS
N38	30	10	DFT-16QAM	L	Outer_Full	VH	NT	14.000000	0.005437	PASS
N38	30	10	DFT-QPSK	M	Outer_Full	VL	NT	15.000000	0.005780	PASS
N38	30	10	DFT-QPSK	M	Outer_Full	VN	NT	7.000000	0.002697	PASS
N38	30	10	DFT-QPSK	M	Outer_Full	VH	NT	9.000000	0.003468	PASS
N38	30	10	DFT-16QAM	M	Outer_Full	VL	NT	15.000000	0.005780	PASS
N38	30	10	DFT-16QAM	M	Outer_Full	VN	NT	3.000000	0.001156	PASS
N38	30	10	DFT-16QAM	M	Outer_Full	VH	NT	14.000000	0.005395	PASS
N38	30	10	DFT-QPSK	H	Outer_Full	VL	NT	5.000000	0.001912	PASS
N38	30	10	DFT-QPSK	H	Outer_Full	VN	NT	12.000000	0.004589	PASS
N38	30	10	DFT-QPSK	H	Outer_Full	VH	NT	18.000000	0.006883	PASS
N38	30	10	DFT-16QAM	H	Outer_Full	VL	NT	6.000000	0.002294	PASS
N38	30	10	DFT-16QAM	H	Outer_Full	VN	NT	19.000000	0.007266	PASS
N38	30	10	DFT-16QAM	H	Outer_Full	VH	NT	18.000000	0.006883	PASS
N38	30	15	DFT-QPSK	L	Outer_Full	VL	NT	3.000000	0.001164	PASS
N38	30	15	DFT-QPSK	L	Outer_Full	VN	NT	13.000000	0.005044	PASS
N38	30	15	DFT-QPSK	L	Outer_Full	VH	NT	19.000000	0.007371	PASS
N38	30	15	DFT-16QAM	L	Outer_Full	VL	NT	5.000000	0.001940	PASS
N38	30	15	DFT-16QAM	L	Outer_Full	VN	NT	18.000000	0.006984	PASS
N38	30	15	DFT-16QAM	L	Outer_Full	VH	NT	1.000000	0.000388	PASS
N38	30	15	DFT-QPSK	M	Outer_Full	VL	NT	7.000000	0.002697	PASS
N38	30	15	DFT-QPSK	M	Outer_Full	VN	NT	5.000000	0.001927	PASS
N38	30	15	DFT-QPSK	M	Outer_Full	VH	NT	16.000000	0.006166	PASS
N38	30	15	DFT-16QAM	M	Outer_Full	VL	NT	12.000000	0.004624	PASS
N38	30	15	DFT-16QAM	M	Outer_Full	VN	NT	19.000000	0.007322	PASS
N38	30	15	DFT-16QAM	M	Outer_Full	VH	NT	6.000000	0.002312	PASS
N38	30	15	DFT-QPSK	H	Outer_Full	VL	NT	2.000000	0.000766	PASS
N38	30	15	DFT-QPSK	H	Outer_Full	VN	NT	15.000000	0.005742	PASS

N38	30	15	DFT-QPSK	H	Outer_Full	VH	NT	6.000000	0.002297	PASS
N38	30	15	DFT-16QAM	H	Outer_Full	VL	NT	16.000000	0.006124	PASS
N38	30	15	DFT-16QAM	H	Outer_Full	VN	NT	11.000000	0.004211	PASS
N38	30	15	DFT-16QAM	H	Outer_Full	VH	NT	7.000000	0.002679	PASS
N38	30	20	DFT-QPSK	L	Outer_Full	VL	NT	11.000000	0.004264	PASS
N38	30	20	DFT-QPSK	L	Outer_Full	VN	NT	11.000000	0.004264	PASS
N38	30	20	DFT-QPSK	L	Outer_Full	VH	NT	1.000000	0.000388	PASS
N38	30	20	DFT-16QAM	L	Outer_Full	VL	NT	12.000000	0.004651	PASS
N38	30	20	DFT-16QAM	L	Outer_Full	VN	NT	3.000000	0.001163	PASS
N38	30	20	DFT-16QAM	L	Outer_Full	VH	NT	2.000000	0.000775	PASS
N38	30	20	DFT-QPSK	M	Outer_Full	VL	NT	3.000000	0.001156	PASS
N38	30	20	DFT-QPSK	M	Outer_Full	VN	NT	10.000000	0.003854	PASS
N38	30	20	DFT-QPSK	M	Outer_Full	VH	NT	11.000000	0.004239	PASS
N38	30	20	DFT-16QAM	M	Outer_Full	VL	NT	9.000000	0.003468	PASS
N38	30	20	DFT-16QAM	M	Outer_Full	VN	NT	19.000000	0.007322	PASS
N38	30	20	DFT-16QAM	M	Outer_Full	VH	NT	3.000000	0.001156	PASS
N38	30	20	DFT-QPSK	H	Outer_Full	VL	NT	7.000000	0.002682	PASS
N38	30	20	DFT-QPSK	H	Outer_Full	VN	NT	11.000000	0.004215	PASS
N38	30	20	DFT-QPSK	H	Outer_Full	VH	NT	11.000000	0.004215	PASS
N38	30	20	DFT-16QAM	H	Outer_Full	VL	NT	15.000000	0.005747	PASS
N38	30	20	DFT-16QAM	H	Outer_Full	VN	NT	4.000000	0.001533	PASS
N38	30	20	DFT-16QAM	H	Outer_Full	VH	NT	6.000000	0.002299	PASS
N38	30	30	DFT-QPSK	L	Outer_Full	VL	NT	14.000000	0.005416	PASS
N38	30	30	DFT-QPSK	L	Outer_Full	VN	NT	8.000000	0.003095	PASS
N38	30	30	DFT-QPSK	L	Outer_Full	VH	NT	6.000000	0.002321	PASS
N38	30	30	DFT-16QAM	L	Outer_Full	VL	NT	10.000000	0.003868	PASS
N38	30	30	DFT-16QAM	L	Outer_Full	VN	NT	5.000000	0.001934	PASS
N38	30	30	DFT-16QAM	L	Outer_Full	VH	NT	13.000000	0.005029	PASS
N38	30	30	DFT-QPSK	M	Outer_Full	VL	NT	17.000000	0.006551	PASS
N38	30	30	DFT-QPSK	M	Outer_Full	VN	NT	9.000000	0.003468	PASS
N38	30	30	DFT-QPSK	M	Outer_Full	VH	NT	19.000000	0.007322	PASS
N38	30	30	DFT-16QAM	M	Outer_Full	VL	NT	9.000000	0.003468	PASS
N38	30	30	DFT-16QAM	M	Outer_Full	VN	NT	1.000000	0.000385	PASS
N38	30	30	DFT-16QAM	M	Outer_Full	VH	NT	4.000000	0.001541	PASS
N38	30	30	DFT-QPSK	H	Outer_Full	VL	NT	14.000000	0.005374	PASS
N38	30	30	DFT-QPSK	H	Outer_Full	VN	NT	12.000000	0.004607	PASS
N38	30	30	DFT-QPSK	H	Outer_Full	VH	NT	6.000000	0.002303	PASS
N38	30	30	DFT-16QAM	H	Outer_Full	VL	NT	19.000000	0.007294	PASS
N38	30	30	DFT-16QAM	H	Outer_Full	VN	NT	17.000000	0.006526	PASS
N38	30	30	DFT-16QAM	H	Outer_Full	VH	NT	18.000000	0.006910	PASS
N38	30	40	DFT-QPSK	L	Outer_Full	VL	NT	19.000000	0.007336	PASS

N38	30	40	DFT-QPSK	L	Outer_Full	VN	NT	13.000000	0.005019	PASS
N38	30	40	DFT-QPSK	L	Outer_Full	VH	NT	9.000000	0.003475	PASS
N38	30	40	DFT-16QAM	L	Outer_Full	VL	NT	19.000000	0.007336	PASS
N38	30	40	DFT-16QAM	L	Outer_Full	VN	NT	1.000000	0.000386	PASS
N38	30	40	DFT-16QAM	L	Outer_Full	VH	NT	6.000000	0.002317	PASS
N38	30	40	DFT-QPSK	M	Outer_Full	VL	NT	11.000000	0.004239	PASS
N38	30	40	DFT-QPSK	M	Outer_Full	VN	NT	12.000000	0.004624	PASS
N38	30	40	DFT-QPSK	M	Outer_Full	VH	NT	13.000000	0.005010	PASS
N38	30	40	DFT-16QAM	M	Outer_Full	VL	NT	18.000000	0.006936	PASS
N38	30	40	DFT-16QAM	M	Outer_Full	VN	NT	6.000000	0.002312	PASS
N38	30	40	DFT-16QAM	M	Outer_Full	VH	NT	5.000000	0.001927	PASS
N38	30	40	DFT-QPSK	H	Outer_Full	VL	NT	10.000000	0.003846	PASS
N38	30	40	DFT-QPSK	H	Outer_Full	VN	NT	11.000000	0.004231	PASS
N38	30	40	DFT-QPSK	H	Outer_Full	VH	NT	14.000000	0.005385	PASS
N38	30	40	DFT-16QAM	H	Outer_Full	VL	NT	5.000000	0.001923	PASS
N38	30	40	DFT-16QAM	H	Outer_Full	VN	NT	15.000000	0.005769	PASS
N38	30	40	DFT-16QAM	H	Outer_Full	VH	NT	9.000000	0.003462	PASS

Frequency Error VS. Temperature

Voltage										
Band	SCS	Bandwidth	Modulation	Channel	RB Config	Voltage	Temperature	Deviation(Hz)	Deviation (ppm)	Verdict
N38	30	10	DFT-QPSK	L	Outer_Full	NV	-30	16.000000	0.006214	PASS
N38	30	10	DFT-QPSK	L	Outer_Full	NV	-20	18.000000	0.006990	PASS
N38	30	10	DFT-QPSK	L	Outer_Full	NV	-10	4.000000	0.001553	PASS
N38	30	10	DFT-QPSK	L	Outer_Full	NV	0	15.000000	0.005825	PASS
N38	30	10	DFT-QPSK	L	Outer_Full	NV	10	18.000000	0.006990	PASS
N38	30	10	DFT-QPSK	L	Outer_Full	NV	20	2.000000	0.000777	PASS
N38	30	10	DFT-QPSK	L	Outer_Full	NV	30	19.000000	0.007379	PASS
N38	30	10	DFT-QPSK	L	Outer_Full	NV	40	6.000000	0.002330	PASS
N38	30	10	DFT-QPSK	L	Outer_Full	NV	50	12.000000	0.004660	PASS
N38	30	10	DFT-16QAM	L	Outer_Full	NV	-30	16.000000	0.006214	PASS
N38	30	10	DFT-16QAM	L	Outer_Full	NV	-20	13.000000	0.005049	PASS
N38	30	10	DFT-16QAM	L	Outer_Full	NV	-10	2.000000	0.000777	PASS
N38	30	10	DFT-16QAM	L	Outer_Full	NV	0	6.000000	0.002330	PASS
N38	30	10	DFT-16QAM	L	Outer_Full	NV	10	17.000000	0.006602	PASS
N38	30	10	DFT-16QAM	L	Outer_Full	NV	20	7.000000	0.002718	PASS
N38	30	10	DFT-16QAM	L	Outer_Full	NV	30	18.000000	0.006990	PASS
N38	30	10	DFT-16QAM	L	Outer_Full	NV	40	6.000000	0.002330	PASS
N38	30	10	DFT-16QAM	L	Outer_Full	NV	50	15.000000	0.005825	PASS

N38	30	10	DFT-QPSK	M	Outer_Full	NV	-30	11.000000	0.004239	PASS
N38	30	10	DFT-QPSK	M	Outer_Full	NV	-20	14.000000	0.005395	PASS
N38	30	10	DFT-QPSK	M	Outer_Full	NV	-10	16.000000	0.006166	PASS
N38	30	10	DFT-QPSK	M	Outer_Full	NV	0	3.000000	0.001156	PASS
N38	30	10	DFT-QPSK	M	Outer_Full	NV	10	2.000000	0.000771	PASS
N38	30	10	DFT-QPSK	M	Outer_Full	NV	20	17.000000	0.006551	PASS
N38	30	10	DFT-QPSK	M	Outer_Full	NV	30	4.000000	0.001541	PASS
N38	30	10	DFT-QPSK	M	Outer_Full	NV	40	12.000000	0.004624	PASS
N38	30	10	DFT-QPSK	M	Outer_Full	NV	50	5.000000	0.001927	PASS
N38	30	10	DFT-16QAM	M	Outer_Full	NV	-30	16.000000	0.006166	PASS
N38	30	10	DFT-16QAM	M	Outer_Full	NV	-20	17.000000	0.006551	PASS
N38	30	10	DFT-16QAM	M	Outer_Full	NV	-10	16.000000	0.006166	PASS
N38	30	10	DFT-16QAM	M	Outer_Full	NV	0	12.000000	0.004624	PASS
N38	30	10	DFT-16QAM	M	Outer_Full	NV	10	2.000000	0.000771	PASS
N38	30	10	DFT-16QAM	M	Outer_Full	NV	20	17.000000	0.006551	PASS
N38	30	10	DFT-16QAM	M	Outer_Full	NV	30	19.000000	0.007322	PASS
N38	30	10	DFT-16QAM	M	Outer_Full	NV	40	3.000000	0.001156	PASS
N38	30	10	DFT-16QAM	M	Outer_Full	NV	50	5.000000	0.001927	PASS
N38	30	10	DFT-QPSK	H	Outer_Full	NV	-30	5.000000	0.001912	PASS
N38	30	10	DFT-QPSK	H	Outer_Full	NV	-20	15.000000	0.005736	PASS
N38	30	10	DFT-QPSK	H	Outer_Full	NV	-10	17.000000	0.006501	PASS
N38	30	10	DFT-QPSK	H	Outer_Full	NV	0	1.000000	0.000382	PASS
N38	30	10	DFT-QPSK	H	Outer_Full	NV	10	3.000000	0.001147	PASS
N38	30	10	DFT-QPSK	H	Outer_Full	NV	20	15.000000	0.005736	PASS
N38	30	10	DFT-QPSK	H	Outer_Full	NV	30	5.000000	0.001912	PASS
N38	30	10	DFT-QPSK	H	Outer_Full	NV	40	7.000000	0.002677	PASS
N38	30	10	DFT-QPSK	H	Outer_Full	NV	50	16.000000	0.006119	PASS
N38	30	10	DFT-16QAM	H	Outer_Full	NV	-30	14.000000	0.005354	PASS
N38	30	10	DFT-16QAM	H	Outer_Full	NV	-20	16.000000	0.006119	PASS
N38	30	10	DFT-16QAM	H	Outer_Full	NV	-10	16.000000	0.006119	PASS
N38	30	10	DFT-16QAM	H	Outer_Full	NV	0	18.000000	0.006883	PASS
N38	30	10	DFT-16QAM	H	Outer_Full	NV	10	17.000000	0.006501	PASS
N38	30	10	DFT-16QAM	H	Outer_Full	NV	20	18.000000	0.006883	PASS
N38	30	10	DFT-16QAM	H	Outer_Full	NV	30	17.000000	0.006501	PASS
N38	30	10	DFT-16QAM	H	Outer_Full	NV	40	19.000000	0.007266	PASS
N38	30	10	DFT-16QAM	H	Outer_Full	NV	50	17.000000	0.006501	PASS
N38	30	15	DFT-QPSK	L	Outer_Full	NV	-30	16.000000	0.006208	PASS
N38	30	15	DFT-QPSK	L	Outer_Full	NV	-20	6.000000	0.002328	PASS
N38	30	15	DFT-QPSK	L	Outer_Full	NV	-10	15.000000	0.005820	PASS
N38	30	15	DFT-QPSK	L	Outer_Full	NV	0	7.000000	0.002716	PASS
N38	30	15	DFT-QPSK	L	Outer_Full	NV	10	12.000000	0.004656	PASS

N38	30	15	DFT-QPSK	L	Outer_Full	NV	20	11.000000	0.004268	PASS
N38	30	15	DFT-QPSK	L	Outer_Full	NV	30	13.000000	0.005044	PASS
N38	30	15	DFT-QPSK	L	Outer_Full	NV	40	16.000000	0.006208	PASS
N38	30	15	DFT-QPSK	L	Outer_Full	NV	50	15.000000	0.005820	PASS
N38	30	15	DFT-16QAM	L	Outer_Full	NV	-30	16.000000	0.006208	PASS
N38	30	15	DFT-16QAM	L	Outer_Full	NV	-20	15.000000	0.005820	PASS
N38	30	15	DFT-16QAM	L	Outer_Full	NV	-10	12.000000	0.004656	PASS
N38	30	15	DFT-16QAM	L	Outer_Full	NV	0	1.000000	0.000388	PASS
N38	30	15	DFT-16QAM	L	Outer_Full	NV	10	19.000000	0.007371	PASS
N38	30	15	DFT-16QAM	L	Outer_Full	NV	20	9.000000	0.003492	PASS
N38	30	15	DFT-16QAM	L	Outer_Full	NV	30	2.000000	0.000776	PASS
N38	30	15	DFT-16QAM	L	Outer_Full	NV	40	14.000000	0.005432	PASS
N38	30	15	DFT-16QAM	L	Outer_Full	NV	50	4.000000	0.001552	PASS
N38	30	15	DFT-QPSK	M	Outer_Full	NV	-30	12.000000	0.004624	PASS
N38	30	15	DFT-QPSK	M	Outer_Full	NV	-20	14.000000	0.005395	PASS
N38	30	15	DFT-QPSK	M	Outer_Full	NV	-10	17.000000	0.006551	PASS
N38	30	15	DFT-QPSK	M	Outer_Full	NV	0	10.000000	0.003854	PASS
N38	30	15	DFT-QPSK	M	Outer_Full	NV	10	3.000000	0.001156	PASS
N38	30	15	DFT-QPSK	M	Outer_Full	NV	20	11.000000	0.004239	PASS
N38	30	15	DFT-QPSK	M	Outer_Full	NV	30	15.000000	0.005780	PASS
N38	30	15	DFT-QPSK	M	Outer_Full	NV	40	7.000000	0.002697	PASS
N38	30	15	DFT-QPSK	M	Outer_Full	NV	50	13.000000	0.005010	PASS
N38	30	15	DFT-16QAM	M	Outer_Full	NV	-30	13.000000	0.005010	PASS
N38	30	15	DFT-16QAM	M	Outer_Full	NV	-20	10.000000	0.003854	PASS
N38	30	15	DFT-16QAM	M	Outer_Full	NV	-10	9.000000	0.003468	PASS
N38	30	15	DFT-16QAM	M	Outer_Full	NV	0	7.000000	0.002697	PASS
N38	30	15	DFT-16QAM	M	Outer_Full	NV	10	9.000000	0.003468	PASS
N38	30	15	DFT-16QAM	M	Outer_Full	NV	20	7.000000	0.002697	PASS
N38	30	15	DFT-16QAM	M	Outer_Full	NV	30	9.000000	0.003468	PASS
N38	30	15	DFT-16QAM	M	Outer_Full	NV	40	8.000000	0.003083	PASS
N38	30	15	DFT-16QAM	M	Outer_Full	NV	50	6.000000	0.002312	PASS
N38	30	15	DFT-QPSK	H	Outer_Full	NV	-30	8.000000	0.003062	PASS
N38	30	15	DFT-QPSK	H	Outer_Full	NV	-20	17.000000	0.006507	PASS
N38	30	15	DFT-QPSK	H	Outer_Full	NV	-10	17.000000	0.006507	PASS
N38	30	15	DFT-QPSK	H	Outer_Full	NV	0	16.000000	0.006124	PASS
N38	30	15	DFT-QPSK	H	Outer_Full	NV	10	5.000000	0.001914	PASS
N38	30	15	DFT-QPSK	H	Outer_Full	NV	20	1.000000	0.000383	PASS
N38	30	15	DFT-QPSK	H	Outer_Full	NV	30	10.000000	0.003828	PASS
N38	30	15	DFT-QPSK	H	Outer_Full	NV	40	9.000000	0.003445	PASS
N38	30	15	DFT-QPSK	H	Outer_Full	NV	50	11.000000	0.004211	PASS
N38	30	15	DFT-16QAM	H	Outer_Full	NV	-30	9.000000	0.003445	PASS

N38	30	15	DFT-16QAM	H	Outer_Full	NV	-20	18.000000	0.006890	PASS
N38	30	15	DFT-16QAM	H	Outer_Full	NV	-10	5.000000	0.001914	PASS
N38	30	15	DFT-16QAM	H	Outer_Full	NV	0	17.000000	0.006507	PASS
N38	30	15	DFT-16QAM	H	Outer_Full	NV	10	7.000000	0.002679	PASS
N38	30	15	DFT-16QAM	H	Outer_Full	NV	20	6.000000	0.002297	PASS
N38	30	15	DFT-16QAM	H	Outer_Full	NV	30	15.000000	0.005742	PASS
N38	30	15	DFT-16QAM	H	Outer_Full	NV	40	10.000000	0.003828	PASS
N38	30	15	DFT-16QAM	H	Outer_Full	NV	50	13.000000	0.004976	PASS
N38	30	20	DFT-QPSK	L	Outer_Full	NV	-30	12.000000	0.004651	PASS
N38	30	20	DFT-QPSK	L	Outer_Full	NV	-20	18.000000	0.006977	PASS
N38	30	20	DFT-QPSK	L	Outer_Full	NV	-10	9.000000	0.003488	PASS
N38	30	20	DFT-QPSK	L	Outer_Full	NV	0	8.000000	0.003101	PASS
N38	30	20	DFT-QPSK	L	Outer_Full	NV	10	17.000000	0.006589	PASS
N38	30	20	DFT-QPSK	L	Outer_Full	NV	20	13.000000	0.005039	PASS
N38	30	20	DFT-QPSK	L	Outer_Full	NV	30	12.000000	0.004651	PASS
N38	30	20	DFT-QPSK	L	Outer_Full	NV	40	14.000000	0.005426	PASS
N38	30	20	DFT-QPSK	L	Outer_Full	NV	50	13.000000	0.005039	PASS
N38	30	20	DFT-16QAM	L	Outer_Full	NV	-30	19.000000	0.007364	PASS
N38	30	20	DFT-16QAM	L	Outer_Full	NV	-20	6.000000	0.002326	PASS
N38	30	20	DFT-16QAM	L	Outer_Full	NV	-10	15.000000	0.005814	PASS
N38	30	20	DFT-16QAM	L	Outer_Full	NV	0	18.000000	0.006977	PASS
N38	30	20	DFT-16QAM	L	Outer_Full	NV	10	10.000000	0.003876	PASS
N38	30	20	DFT-16QAM	L	Outer_Full	NV	20	19.000000	0.007364	PASS
N38	30	20	DFT-16QAM	L	Outer_Full	NV	30	18.000000	0.006977	PASS
N38	30	20	DFT-16QAM	L	Outer_Full	NV	40	13.000000	0.005039	PASS
N38	30	20	DFT-16QAM	L	Outer_Full	NV	50	16.000000	0.006202	PASS
N38	30	20	DFT-QPSK	M	Outer_Full	NV	-30	16.000000	0.006166	PASS
N38	30	20	DFT-QPSK	M	Outer_Full	NV	-20	16.000000	0.006166	PASS
N38	30	20	DFT-QPSK	M	Outer_Full	NV	-10	6.000000	0.002312	PASS
N38	30	20	DFT-QPSK	M	Outer_Full	NV	0	5.000000	0.001927	PASS
N38	30	20	DFT-QPSK	M	Outer_Full	NV	10	1.000000	0.000385	PASS
N38	30	20	DFT-QPSK	M	Outer_Full	NV	20	10.000000	0.003854	PASS
N38	30	20	DFT-QPSK	M	Outer_Full	NV	30	9.000000	0.003468	PASS
N38	30	20	DFT-QPSK	M	Outer_Full	NV	40	12.000000	0.004624	PASS
N38	30	20	DFT-QPSK	M	Outer_Full	NV	50	14.000000	0.005395	PASS
N38	30	20	DFT-16QAM	M	Outer_Full	NV	-30	12.000000	0.004624	PASS
N38	30	20	DFT-16QAM	M	Outer_Full	NV	-20	11.000000	0.004239	PASS
N38	30	20	DFT-16QAM	M	Outer_Full	NV	-10	13.000000	0.005010	PASS
N38	30	20	DFT-16QAM	M	Outer_Full	NV	0	16.000000	0.006166	PASS
N38	30	20	DFT-16QAM	M	Outer_Full	NV	10	15.000000	0.005780	PASS
N38	30	20	DFT-16QAM	M	Outer_Full	NV	20	10.000000	0.003854	PASS

N38	30	20	DFT-16QAM	M	Outer_Full	NV	30	9.000000	0.003468	PASS
N38	30	20	DFT-16QAM	M	Outer_Full	NV	40	7.000000	0.002697	PASS
N38	30	20	DFT-16QAM	M	Outer_Full	NV	50	6.000000	0.002312	PASS
N38	30	20	DFT-QPSK	H	Outer_Full	NV	-30	13.000000	0.004981	PASS
N38	30	20	DFT-QPSK	H	Outer_Full	NV	-20	7.000000	0.002682	PASS
N38	30	20	DFT-QPSK	H	Outer_Full	NV	-10	10.000000	0.003831	PASS
N38	30	20	DFT-QPSK	H	Outer_Full	NV	0	16.000000	0.006130	PASS
N38	30	20	DFT-QPSK	H	Outer_Full	NV	10	5.000000	0.001916	PASS
N38	30	20	DFT-QPSK	H	Outer_Full	NV	20	8.000000	0.003065	PASS
N38	30	20	DFT-QPSK	H	Outer_Full	NV	30	7.000000	0.002682	PASS
N38	30	20	DFT-QPSK	H	Outer_Full	NV	40	16.000000	0.006130	PASS
N38	30	20	DFT-QPSK	H	Outer_Full	NV	50	4.000000	0.001533	PASS
N38	30	20	DFT-16QAM	H	Outer_Full	NV	-30	5.000000	0.001916	PASS
N38	30	20	DFT-16QAM	H	Outer_Full	NV	-20	7.000000	0.002682	PASS
N38	30	20	DFT-16QAM	H	Outer_Full	NV	-10	17.000000	0.006513	PASS
N38	30	20	DFT-16QAM	H	Outer_Full	NV	0	11.000000	0.004215	PASS
N38	30	20	DFT-16QAM	H	Outer_Full	NV	10	2.000000	0.000766	PASS
N38	30	20	DFT-16QAM	H	Outer_Full	NV	20	11.000000	0.004215	PASS
N38	30	20	DFT-16QAM	H	Outer_Full	NV	30	10.000000	0.003831	PASS
N38	30	20	DFT-16QAM	H	Outer_Full	NV	40	12.000000	0.004598	PASS
N38	30	20	DFT-16QAM	H	Outer_Full	NV	50	11.000000	0.004215	PASS
N38	30	30	DFT-QPSK	L	Outer_Full	NV	-30	8.000000	0.003095	PASS
N38	30	30	DFT-QPSK	L	Outer_Full	NV	-20	7.000000	0.002708	PASS
N38	30	30	DFT-QPSK	L	Outer_Full	NV	-10	9.000000	0.003482	PASS
N38	30	30	DFT-QPSK	L	Outer_Full	NV	0	8.000000	0.003095	PASS
N38	30	30	DFT-QPSK	L	Outer_Full	NV	10	7.000000	0.002708	PASS
N38	30	30	DFT-QPSK	L	Outer_Full	NV	20	10.000000	0.003868	PASS
N38	30	30	DFT-QPSK	L	Outer_Full	NV	30	19.000000	0.007350	PASS
N38	30	30	DFT-QPSK	L	Outer_Full	NV	40	5.000000	0.001934	PASS
N38	30	30	DFT-QPSK	L	Outer_Full	NV	50	17.000000	0.006576	PASS
N38	30	30	DFT-16QAM	L	Outer_Full	NV	-30	6.000000	0.002321	PASS
N38	30	30	DFT-16QAM	L	Outer_Full	NV	-20	14.000000	0.005416	PASS
N38	30	30	DFT-16QAM	L	Outer_Full	NV	-10	6.000000	0.002321	PASS
N38	30	30	DFT-16QAM	L	Outer_Full	NV	0	5.000000	0.001934	PASS
N38	30	30	DFT-16QAM	L	Outer_Full	NV	10	14.000000	0.005416	PASS
N38	30	30	DFT-16QAM	L	Outer_Full	NV	20	15.000000	0.005803	PASS
N38	30	30	DFT-16QAM	L	Outer_Full	NV	30	4.000000	0.001547	PASS
N38	30	30	DFT-16QAM	L	Outer_Full	NV	40	3.000000	0.001161	PASS
N38	30	30	DFT-16QAM	L	Outer_Full	NV	50	5.000000	0.001934	PASS
N38	30	30	DFT-QPSK	M	Outer_Full	NV	-30	6.000000	0.002312	PASS
N38	30	30	DFT-QPSK	M	Outer_Full	NV	-20	15.000000	0.005780	PASS

N38	30	30	DFT-QPSK	M	Outer_Full	NV	-10	19.000000	0.007322	PASS
N38	30	30	DFT-QPSK	M	Outer_Full	NV	0	2.000000	0.000771	PASS
N38	30	30	DFT-QPSK	M	Outer_Full	NV	10	2.000000	0.000771	PASS
N38	30	30	DFT-QPSK	M	Outer_Full	NV	20	1.000000	0.000385	PASS
N38	30	30	DFT-QPSK	M	Outer_Full	NV	30	10.000000	0.003854	PASS
N38	30	30	DFT-QPSK	M	Outer_Full	NV	40	13.000000	0.005010	PASS
N38	30	30	DFT-QPSK	M	Outer_Full	NV	50	12.000000	0.004624	PASS
N38	30	30	DFT-16QAM	M	Outer_Full	NV	-30	6.000000	0.002312	PASS
N38	30	30	DFT-16QAM	M	Outer_Full	NV	-20	15.000000	0.005780	PASS
N38	30	30	DFT-16QAM	M	Outer_Full	NV	-10	5.000000	0.001927	PASS
N38	30	30	DFT-16QAM	M	Outer_Full	NV	0	4.000000	0.001541	PASS
N38	30	30	DFT-16QAM	M	Outer_Full	NV	10	7.000000	0.002697	PASS
N38	30	30	DFT-16QAM	M	Outer_Full	NV	20	6.000000	0.002312	PASS
N38	30	30	DFT-16QAM	M	Outer_Full	NV	30	15.000000	0.005780	PASS
N38	30	30	DFT-16QAM	M	Outer_Full	NV	40	19.000000	0.007322	PASS
N38	30	30	DFT-16QAM	M	Outer_Full	NV	50	18.000000	0.006936	PASS
N38	30	30	DFT-QPSK	H	Outer_Full	NV	-30	5.000000	0.001919	PASS
N38	30	30	DFT-QPSK	H	Outer_Full	NV	-20	8.000000	0.003071	PASS
N38	30	30	DFT-QPSK	H	Outer_Full	NV	-10	7.000000	0.002687	PASS
N38	30	30	DFT-QPSK	H	Outer_Full	NV	0	16.000000	0.006142	PASS
N38	30	30	DFT-QPSK	H	Outer_Full	NV	10	4.000000	0.001536	PASS
N38	30	30	DFT-QPSK	H	Outer_Full	NV	20	9.000000	0.003455	PASS
N38	30	30	DFT-QPSK	H	Outer_Full	NV	30	17.000000	0.006526	PASS
N38	30	30	DFT-QPSK	H	Outer_Full	NV	40	4.000000	0.001536	PASS
N38	30	30	DFT-QPSK	H	Outer_Full	NV	50	7.000000	0.002687	PASS
N38	30	30	DFT-16QAM	H	Outer_Full	NV	-30	16.000000	0.006142	PASS
N38	30	30	DFT-16QAM	H	Outer_Full	NV	-20	15.000000	0.005758	PASS
N38	30	30	DFT-16QAM	H	Outer_Full	NV	-10	14.000000	0.005374	PASS
N38	30	30	DFT-16QAM	H	Outer_Full	NV	0	16.000000	0.006142	PASS
N38	30	30	DFT-16QAM	H	Outer_Full	NV	10	15.000000	0.005758	PASS
N38	30	30	DFT-16QAM	H	Outer_Full	NV	20	18.000000	0.006910	PASS
N38	30	30	DFT-16QAM	H	Outer_Full	NV	30	4.000000	0.001536	PASS
N38	30	30	DFT-16QAM	H	Outer_Full	NV	40	3.000000	0.001152	PASS
N38	30	30	DFT-16QAM	H	Outer_Full	NV	50	13.000000	0.004990	PASS
N38	30	40	DFT-QPSK	L	Outer_Full	NV	-30	11.000000	0.004247	PASS
N38	30	40	DFT-QPSK	L	Outer_Full	NV	-20	14.000000	0.005405	PASS
N38	30	40	DFT-QPSK	L	Outer_Full	NV	-10	13.000000	0.005019	PASS
N38	30	40	DFT-QPSK	L	Outer_Full	NV	0	12.000000	0.004633	PASS
N38	30	40	DFT-QPSK	L	Outer_Full	NV	10	15.000000	0.005792	PASS
N38	30	40	DFT-QPSK	L	Outer_Full	NV	20	14.000000	0.005405	PASS
N38	30	40	DFT-QPSK	L	Outer_Full	NV	30	17.000000	0.006564	PASS

N38	30	40	DFT-QPSK	L	Outer_Full	NV	40	16.000000	0.006178	PASS
N38	30	40	DFT-QPSK	L	Outer_Full	NV	50	6.000000	0.002317	PASS
N38	30	40	DFT-16QAM	L	Outer_Full	NV	-30	8.000000	0.003089	PASS
N38	30	40	DFT-16QAM	L	Outer_Full	NV	-20	11.000000	0.004247	PASS
N38	30	40	DFT-16QAM	L	Outer_Full	NV	-10	1.000000	0.000386	PASS
N38	30	40	DFT-16QAM	L	Outer_Full	NV	0	12.000000	0.004633	PASS
N38	30	40	DFT-16QAM	L	Outer_Full	NV	10	15.000000	0.005792	PASS
N38	30	40	DFT-16QAM	L	Outer_Full	NV	20	14.000000	0.005405	PASS
N38	30	40	DFT-16QAM	L	Outer_Full	NV	30	4.000000	0.001544	PASS
N38	30	40	DFT-16QAM	L	Outer_Full	NV	40	2.000000	0.000772	PASS
N38	30	40	DFT-16QAM	L	Outer_Full	NV	50	10.000000	0.003861	PASS
N38	30	40	DFT-QPSK	M	Outer_Full	NV	-30	19.000000	0.007322	PASS
N38	30	40	DFT-QPSK	M	Outer_Full	NV	-20	12.000000	0.004624	PASS
N38	30	40	DFT-QPSK	M	Outer_Full	NV	-10	8.000000	0.003083	PASS
N38	30	40	DFT-QPSK	M	Outer_Full	NV	0	16.000000	0.006166	PASS
N38	30	40	DFT-QPSK	M	Outer_Full	NV	10	4.000000	0.001541	PASS
N38	30	40	DFT-QPSK	M	Outer_Full	NV	20	7.000000	0.002697	PASS
N38	30	40	DFT-QPSK	M	Outer_Full	NV	30	6.000000	0.002312	PASS
N38	30	40	DFT-QPSK	M	Outer_Full	NV	40	9.000000	0.003468	PASS
N38	30	40	DFT-QPSK	M	Outer_Full	NV	50	12.000000	0.004624	PASS
N38	30	40	DFT-16QAM	M	Outer_Full	NV	-30	14.000000	0.005395	PASS
N38	30	40	DFT-16QAM	M	Outer_Full	NV	-20	18.000000	0.006936	PASS
N38	30	40	DFT-16QAM	M	Outer_Full	NV	-10	11.000000	0.004239	PASS
N38	30	40	DFT-16QAM	M	Outer_Full	NV	0	10.000000	0.003854	PASS
N38	30	40	DFT-16QAM	M	Outer_Full	NV	10	4.000000	0.001541	PASS
N38	30	40	DFT-16QAM	M	Outer_Full	NV	20	10.000000	0.003854	PASS
N38	30	40	DFT-16QAM	M	Outer_Full	NV	30	10.000000	0.003854	PASS
N38	30	40	DFT-16QAM	M	Outer_Full	NV	40	19.000000	0.007322	PASS
N38	30	40	DFT-16QAM	M	Outer_Full	NV	50	17.000000	0.006551	PASS
N38	30	40	DFT-QPSK	H	Outer_Full	NV	-30	1.000000	0.000385	PASS
N38	30	40	DFT-QPSK	H	Outer_Full	NV	-20	4.000000	0.001538	PASS
N38	30	40	DFT-QPSK	H	Outer_Full	NV	-10	13.000000	0.005000	PASS
N38	30	40	DFT-QPSK	H	Outer_Full	NV	0	12.000000	0.004615	PASS
N38	30	40	DFT-QPSK	H	Outer_Full	NV	10	3.000000	0.001154	PASS
N38	30	40	DFT-QPSK	H	Outer_Full	NV	20	12.000000	0.004615	PASS
N38	30	40	DFT-QPSK	H	Outer_Full	NV	30	3.000000	0.001154	PASS
N38	30	40	DFT-QPSK	H	Outer_Full	NV	40	12.000000	0.004615	PASS
N38	30	40	DFT-QPSK	H	Outer_Full	NV	50	5.000000	0.001923	PASS
N38	30	40	DFT-16QAM	H	Outer_Full	NV	-30	8.000000	0.003077	PASS
N38	30	40	DFT-16QAM	H	Outer_Full	NV	-20	2.000000	0.000769	PASS
N38	30	40	DFT-16QAM	H	Outer_Full	NV	-10	6.000000	0.002308	PASS

N38	30	40	DFT-16QAM	H	Outer_Full	NV	0	5.000000	0.001923	PASS
N38	30	40	DFT-16QAM	H	Outer_Full	NV	10	16.000000	0.006154	PASS
N38	30	40	DFT-16QAM	H	Outer_Full	NV	20	6.000000	0.002308	PASS
N38	30	40	DFT-16QAM	H	Outer_Full	NV	30	14.000000	0.005385	PASS
N38	30	40	DFT-16QAM	H	Outer_Full	NV	40	16.000000	0.006154	PASS
N38	30	40	DFT-16QAM	H	Outer_Full	NV	50	3.000000	0.001154	PASS