National Technical Systems Test Report No. 875-6433-2 Page 1 of 7

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> > February 4, 2008

## GETAC 20762 Linear Lane Lake Forest, California 92630 Purchase Order Number 01090701

A. <u>TEST</u>: Salt Fog

B. <u>TEST ITEM</u>: One (1) 14.1" Rugged Laptop Computer M/N M230, S/N NTS Assigned NTS-SF2

- C. <u>SPECIFICATIONS</u>:
- 1. Quick Quote on e-mail dated December 20, 2007
- 2. MIL-STD-810F, Method 509.4
- 3. ANSI NCSL Z540-1
- 4. ISO 17025:2005

## D. <u>RESULTS</u>:

This is to certify that the 14.1" Rugged Laptop Computer was subjected to the Salt Fog Test according to the above specifications.

GETAC personnel performed all post functional testing and final inspection. GETAC reported a passing functional test with a successful power on/off and boot to the Microsoft Windows system. No visible damage was noted resulting from the salt fog exposure. The 14.1" Rugged Laptop Computer was returned to GETAC for post tests and final evaluation.

Test data, an equipment list, and photographs are attached.

## NATIONAL TECHNICAL SYSTEMS

David T. Greg Program Manag

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Quality Assurance Manager

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SALT SPRAY TEST

CUSTOMER: GETAC MJO: 875-643					5-6433		
TEST ITEM: LAPTOP COMPATER DATE: JAN 29, 2008							
1	PART NUMBER: <u>M230</u> S/N: <u>NTS-SF2</u>						
SPECIFICATION: QUICK QUOTE PATED 12/20/2007 PARAGRAPH:							
1		1					
TEMP <u>AMB</u> F° RH <u>AMB</u> % PASSED DEVIATION NA							
Preparation of Test Item (s) : BY CUSTOMER							
Support Method: PLASTIC Box							
Orientation of Test Item(s):							
Solution: Salt % $H_2O$ (by weight) pH of Solution: $\underline{G, B}$							
at °F Specific Gravity of Solution: @ °F							
Start Date and Time: 1/24/08 0925 Nozzle Pressure: 13 P32							
Chamber Temperature:95 °F Water Column Temperature:91 °F							
ELAPSED	COLLECTED SOLUTION (Volume)/80 <sup>2</sup> cm (ml/hr)		COLLECTED pH	SOLUTION	CHAMBER		
TIME (Hours)			VALUE	SPECIFIC GRAVITY	TEMPERATURE (°F)		
		COLLECTOR 2	1.0	1	9		
2.4	1,30		6.8	1.029	95		
	PLACE AT						
24	1,29		6.8	1,029	95		
24 (48)	PLACE AT	AMBIENT					
Oton Data and	Times a la t		Test Duration (hour		<i><i>a</i>,</i>		
Stop Date and Time: 2/2/08 0925 Test Duration (hours): 96							
Interruptions (explain): <u>To PLACE AT AMAIENT</u>							
Results of Test: THERE WAS NO VISIBLE DAMAGE, POST FUNCTIONALS THE							
LAP TOP BOOKED UP TO MICROSOFT WINDOWS SUCCESSFULLY							
Photograph(s) Taken: X Yes No							
TESTED BY: R. Spingly DATE: FEB 2,2008							
ENGINEER: DT Mugay NTS QA: GOVT QAR:							
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FUL 21.41, REV. 2



## EQUIPMENT LIST

Description	Apparatus	Calibration
<u>SALT FOG</u>	Bemco Salt Spray Chamber Model N/A, S/N NSN 48" x 28" x 32" Ambient to 140°F, ±1% NTS Control No. FL-1823	Not Required External Monitor
	Acco Wilson Instruments Pressure Gauge Model 0 to 60 PSI, S/N NSN NTS Control No. FL-2749	6 months Due 2-9-08
	Omega Temperature Indicator, Model DP2000-T2, S/N 7160574, + 2 °F NTS Control No. FL-4336	6 months Due 7-14-08





Salt Fog Exposure (Typical)



Salt Fog Drying Period (Typical)





Post Test (S/N NTS Assigned NTS-SF2)



Post Test (S/N NTS Assigned NTS-SF2)





Post Test (S/N NTS Assigned NTS-SF2)



Post Test (S/N NTS Assigned NTS-SF2)





Post Test (S/N NTS Assigned NTS-SF2)