

C64967 R2

Certification prepared for	Getac Inc. 15495 Sand Canyon Avenue, Suite 350 Irvine, CA 92618		
Attention	Alicia Chen		
Test start	11/27/2023	Test completion	12/11/2023
Purchase order number	11012301	Purchase date	10/31/2023
As received	This document describes procedures and results of testing performed to the specification(s) and/or requirement(s) detailed herein. The results described in this report relate only to the specific items as received and tested.		
Decision rule	Whenever stating in/out of tolerance or pass/fail results, Element applies "Simple Acceptance"; statements of compliance do not consider measurement uncertainty.		

Device	Getac ZX80
Model/part number	Getac ZX80 / 5262GA750001
Serial number	RPAXXZ0012, RPAXXZ0028, RPAXXZ0022, RPAXXZ0023, RPAXXZ0026, RPAXXZ0016, RPAXXZ0015, RPAXXZ0019, RPAXXZ0020, RPAXXZ0027, RPAXXZ0018, RPAXXZ0013, RPAXXZ0019, RPAXXZ0010

The results of this test apply only to the units identified in this Engineering Report by device identifier and model / part number, or serial number.

Element certifies that the Getac ZX80 were subjected to the MIL-STD-810H, with change 1 Tests listed in Table 1, as requested in Getac Inc. purchase order 11012301, dated October 31, 2023.

Refer to Element Report R64967-17 for detailed test results.



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Table 1: Test list

Test	Procedure Specification		MIL-STD-810H Reference	Result
Altitude (Low Pressure)-Storage/Air Transport	50,000 ft with altitude change rate 2,000 ft/min.	Non-operating	Method 500.6 Procedures I	Compliant
Altitude (Low Pressure)-Operation/Air Carriage	50,000 ft with attitude change rate 2,000 ft/min	Operating	Method 500.6 Procedures II	Compliant
High Temperature (Storage)	Seven 24 hour cycles of 33 to 71°C (91 to 160°F)	Non-operating	Method 501.7 Procedures I	Compliant
High Temperature (Operation)	72 hours constant temperature exposure 63°C (145°F)	Operating	Method 501.7 Procedures II	Compliant
High Temperature-Tactical Standby to Operational	High storage (non-operating) to high operating (test for operation) 71°C (160°F) Standby, 63°C (145°F) Operating	Non-operating to Operating	Method 501.7 Procedures III	Compliant
Low Temperature (Storage)	72 hours constant temperature exposure -51.1°C (-60°F)	Non-operating	Method 502.7 procedure I	Compliant
Low Temperature (Operation)	72 hours constant temperature exposure -29°C (-20°F)	Operating	Method 502.7 Procedures II	Compliant
Temperature Shock	Multi-cycle shocks from constant extreme temperature: -51.1°C to 71°C (-60° F to 160°F), temperature shock, three cycles	Non-operating	Method 503.7 procedure I -C	Compliant
Blowing Rain	Blowing Rain 5.8 in/hr rain, 70 mph wind, 30 minutes per surface	Operating	Method 506.6 procedure I	Compliant
Humidity- Aggravated	Ten 24-hour temperature cycles between 30°C (86°F) and 60°C (140°F) with relative humidity maintained at 95% RH	Non-operating	Method 507.6 Procedure II	Compliant
Salt Fog / Corrosive Environments	24 hours of salt fog soaking followed by a 24 hours drying period. Repeated for a total of two cycles	Non-operating	Method 509.8 Procedure I	Compliant
Sand and Dust: Blowing Dust	Dust resistance using Silica flour with 6 hours at 23°C and an additional 6 hours at 63°C	Operating	Method 510.7 procedure I	Compliant
Vibration- General Vibration	Category 20, Ground vehicles - Ground mobile, composite wheeled vehicles, Figure 514.8 C-6	Operating	Method 514.8, Procedure I, Category 20	Compliant
Vibration- General Vibration	Under Figure 514.8 E-1 General min. integrity exposure	Non-operating	Method 514.8, Procedure I, Category 24	Compliant
Shock- Functional Shock	40g, 11ms, Terminal Saw tooth	Operating	Method 516.8 procedure I	Compliant
Shock: Transit Drop	All drops performed on one unit: 26 total drops from 72 in height, free drop onto 2 in of plywood	Operating	Method 516.8 procedure IV	Compliant
Freeze / Thaw	Rapid Temperature Change for 3 cycles	Non-operating	Method 524.1 procedure III	Compliant

Refer to Element Report R64967-17 for detailed test results.