

CERTIFICATE OF COMPLIANCE
Certification Number : ESL106963A-C810H Rev. 1

Company: Getac Inc.
Equipment Tested: Getac V110 Rugged Notebook Computer
Test Standard: MIL-STD-810H
Testing Completed: 03/20/2020 – 05/05/2020

Details: This is to certify that the following environmental tests have been performed on the **Getac V110 Rugged Notebook Computer** and found to be in compliance with the requirements and Procedure of **MIL-STD-810H** detailed in the following summary table.

No evidence of functional failure was observed during testing.

All calibrated Test equipment utilized during testing is maintained in a current state of calibration per the requirements of ISO/IEC 17025:2017.

For further test details please reference the Eurofins Met Labs test report, ESL106963A-MIL.



Johnnie Evans
Manager, Environmental Laboratory
MET Laboratories, Inc.

6/17/2020
Date

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The table below is to show that the following environmental testing was performed on the **Getac V110 Rugged Notebook Computer** and is in compliance with the requirements of MIL-STD-810H below;

| Test | Procedure Specification | MIL-STD-810H Reference | Pass/Fail |
|---|--|--|-------------------|
| Low Pressure (Altitude) - Storage/Air Transport | Non-operating: 50,000ft with altitude change rate 2,000 ft/min. | Method 500.6 Procedure I | Pass ¹ |
| Low Pressure (Altitude)- Operation/Air Carriage | Operating: 50,000ft with attitude change rate 2,000 ft/ min | Method 500.6 Procedures II | Pass ¹ |
| High Temperature-Storage | Seven 24 hour cycles of 33 ~ 71° C (91-160° F) (Non-operating) | Method 501.7 Procedures I | Pass ¹ |
| High Temperature-Operation | 72 hours constant temperature exposure 63° C (145° F) (Operating) | Method 501.7 Procedures II | Pass |
| 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) | Method 501.7 Procedures III | Pass |
| Low Temperature-Storage | 72 hours constant temperature exposure -51.1° C (-60° F) | Method 502.7 Procedure I, Induced (Storage and Transit) C3 - Severe Cold | Pass ¹ |
| Low Temperature-Operation | 72 hours constant temperature exposure -29°C (-20° F) | Method 502.7 Procedures II | Pass |
| Temperature Shock | Multi-cycle shocks from constant extreme temperature: -51.1°C~ 71°C (-60° F~160° F), temperature shock non-operating, three cycles | Method 503.7 Procedure I -C | Pass ¹ |
| Solar Radiation | Cyclic heat, 7 days | Method 505.7 Procedure I | Pass |
| Blowing rain | Blowing rain- 5.8in/hr rain, 70mph wind, 30 minutes per surface | Method 506.6 Procedure I | Pass ¹ |
| Rain Drip | Rain Drip, 15 minute exposure (280L/m ² /hr) | Method 506.6 Procedure III | Pass ¹ |
| Humidity- Aggravated | Ten 24-hour temperature cycles between 30°C and 60°C with relative humidity maintained at 95% RH non-operating mode | Method 507.6 Procedure II | Pass ¹ |
| Humidity- Aggravated | Ten 24-hour temperature cycles between 30°C and 60°C with relative humidity maintained at 95% RH operating mode | Method 507.6 Procedure II | Pass ¹ |
| Salt Fog | 24 hours of salt fog soaking followed by a 24 hour drying period. Repeated for a total of two cycles | Method 509.7 | Pass ¹ |
| Sand and Dust: Blowing Dust | Dust resistance using silica flour with 6 hours at 23°C and an additional 6 hours at 63°C(145° F) | Method 510.7 Procedure I | Pass |
| Sand and dust: Blowing sand | Blowing sand with a Sand concentration of 2.2+0.5g/m ³ at 63°C(145° F) | Method 510.7 Procedure II | Pass |
| Explosive Atmosphere | Operating for altitude 20,000 ft and temperature of 63°C (145°F) | Method 511.7 Procedure I | Pass |
| Vibration- General Vibration | Under fig 514.8 E-1 General min. Integrity exposure for non-operating | Method 514.8 Procedure I Category 24 | Pass ¹ |
| Vibration- General vibration | Category 5, Loose cargo (Transportation) | Method 514.8 Procedure II, Category 5 | Pass |
| Vibration- General vibration | Category 4, Typical mission/field transportation scenario, common carrier Figure 514.8C-2, 2hr/ axis (Transportation) | Method 514.8 Procedure I, Category 4 | Pass ¹ |
| Vibration- General vibration | Category 20, Ground vehicles - Ground mobile, composite wheeled vehicles, Figure 514.8C-6, 2hr/ axis (Transportation) | Method 514.8 Procedure I, Category 20, figure C-6 (Operation) | Pass ¹ |
| Shock- Functional Shock | 40g, 11ms , Terminal Saw tooth, Operating | Method 516.8 Procedure I | Pass ¹ |
| Shock- Functional shock | Peak Acceleration of 75g's, Effective Shock Duration of 8-13ms, and Cross-Over Frequency of 80Hz | Method 516.8 Procedure I | Pass ¹ |
| Shock: Transit drop | All drops performed on one unit: 26 total drops from 48 in height, free drop onto 2 in of plywood. | Method 516.8 Procedure IV | Pass ¹ |
| Shock: Bench Handling | 4 drops on solid wooden bench top in operating mode | Method 516.8 Procedure VI | Pass |
| Freeze / Thaw | Rapid Temperature change for 3 cycles | Method 524.1 Procedure III | Pass ¹ |

Note 1: Originally tested under MET JOBS # ESL103931F-C810G

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