



**Testing Summary**  
**Getac B360 Laptop Docking Station**  
 (7160-1431)

**Summary of Tests Performed at Gamber-Johnson**

Test Description	Test Parameters
Vibration – Operational Test date: June, 2020	Getac Developmental Testing Specification per Figure 1 Rev C. Test duration is two hours along three mutually orthogonal axes – not simultaneously (6 hours total). <ul style="list-style-type: none"> <li>• Unit is unlocked</li> <li>• OEM provided operating conditions</li> </ul>
Vibration – Operational RF Connection Test date: June, 2020	Getac Developmental Testing Specification per Figure 1 Rev C. Test duration is two hours along three mutually orthogonal axes – not simultaneously (6 hours total). <ul style="list-style-type: none"> <li>• Unit is unlocked</li> <li>• OEM provided operating conditions</li> <li>• Test is performed simultaneously with operational test.</li> <li>• Test is monitored to record any breaks in RF connectivity during vibration.</li> </ul>
Vibration – Non-Operational (Minimum Integrity) Test date: June, 2020	Getac Developmental Testing Specification Rev C. MIL-STD-810G, Method 514.6, Category 24, per Figure 514.6E-1. Test duration is one hour along three mutually orthogonal axes – not simultaneously (3 hours total). <ul style="list-style-type: none"> <li>• Unit is unlocked</li> <li>• OEM provided operating conditions</li> </ul>
Shock – Bump Test Test date: May, 2020	Getac Developmental Testing Specification Rev C. IEC 60068-2-27:2008. 1000 positive and negative pulses in the vertical axis, 2000 total. <ul style="list-style-type: none"> <li>• 25G, 6ms half sine</li> <li>• Unit is unlocked</li> </ul>
Functional Shock - Operational Test date: June, 2020	Getac Developmental Testing Specification Rev C. MIL-STD-810G, Method 516.6, Procedure 1, 3 positive and 3 negative pulses each axis (vertical, longitudinal and transverse), 18 pulses total. <ul style="list-style-type: none"> <li>• 20G, 11ms Terminal Peak Saw-Tooth</li> <li>• Unit is unlocked</li> </ul>

*An ISO 9001:2015 certified company*



Mechanical Shock Safety - Non-Operational Test date: June, 2020	Getac Developmental Testing Specification Rev C. MIL-STD-810G, Method 516.6, Procedure 1, 3 positive and 3 negative pulses each axis (vertical, longitudinal and transverse), 18 pulses total. <ul style="list-style-type: none"> <li>• 40G, 11ms half sine</li> <li>• Unit is unlocked</li> </ul>
Security Testing Test date: June, 2020	Gamber-Johnson LLC Product Validation Testing Specification section 3.8. An attempt to remove computer from docking station will be tested. Using one simple tool the computer should not be removed from docking station under in 60 seconds. No damage to the computer should occur. Unit is locked
Cycle Testing – Non-Operational Test date: June, 2020	Getac Developmental Testing Specification Rev C. <ul style="list-style-type: none"> <li>• 30,000 cycles of the docking connector, latching and locking mechanisms</li> </ul>
Electrostatic Discharge – Operational Test date: June, 2020	ISO 10605, Section 8, Table C.2, Category 2 – Direct Air Discharge

**Summary of Tests Performed at Independent Facility**

<b>Test Description</b>	<b>Test Parameters</b>
Humidity Test date: May, 2020	MIL-STD 810G, Method 502.5, Procedure II, Aggravated, Table 507.5 <ul style="list-style-type: none"> <li>• Ten 24-hour cycles, temperature varied from 30°C to 60°C to 30°C at constant 95% relative humidity.</li> </ul>
Thermal Shock Test date: May, 2020	MIL-STD 810G, Method 503.5, Procedure I-C <ul style="list-style-type: none"> <li>• Three, 2-hour cycles from 85°C to -40°C to 85°C</li> </ul>
Low Temperature: Operational Test date: May, 2020	MIL-STD 810G, Method 501.5, Procedure II <ul style="list-style-type: none"> <li>• -20°C Operating, 96-hour duration</li> </ul>
Low Temperature: Storage Test date: May, 2020	MIL-STD 810G, Method 502.5, Procedure I <ul style="list-style-type: none"> <li>• -40°C Non-Operating, 96-hour duration</li> </ul>
High Temperature: Operational Test date: May, 2020	MIL-STD 810G, Method 501.5, Procedure II <ul style="list-style-type: none"> <li>• 50°C Operating, 96-hour duration</li> </ul>

*An ISO 9001:2015 certified company*



High Temperature: Storage Test date: May, 2020	Getac Developmental Testing Specification Rev C <ul style="list-style-type: none"> <li>Starting Temp: 24°C: 2 hours</li> <li>Ramp time to 85°C: 2 hours</li> <li>Soak time at 85°C: 72 hours</li> <li>Ramp time to 24°C: 2 hours</li> </ul>
Shock – Crash Hazard Test date: June, 2020	SAE J1455, Section 4.11.3.5, per Figure 13 <ul style="list-style-type: none"> <li>Unit is unlocked</li> </ul>
EMC Testing Test date: May, 2020	EN 50498:2010
EMC Testing Test date: May, 2020	EN 55032:2015 <ul style="list-style-type: none"> <li>CISPR 22 – Class A</li> <li>FCC Part 15, Subpart B – Class A</li> </ul>

**Other Certifications**

<b>Description</b>
EN 50581:2012 RoHS2 Directive 2011/65/EU

*An ISO 9001:2015 certified company*