



**Testing Summary**  
**Getac A140 Tablet Docking Station**  
 (7160-1246)

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

Test Description	Test Parameters
Vibration – Operational Test date:	Getac Developmental Testing Specification per Figure 1. Test duration is 2 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:	MIL-STD-810G, Method 514.6, Procedure 1, Category 4, per Figure 514.6C-1. 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:	Getac Developmental Testing Specification. MIL-STD-810G, Method 514.6, Category 24, per Figure 514.6E-1. Test duration is 1 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:	Getac Developmental Testing Specification. 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:	Getac Developmental Testing Specification. 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>

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Mechanical Shock Safety - Non-Operational Test date:	Getac Developmental Testing Specification. 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>
Cycle Testing – Non-Operational Test date:	<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:	<ul style="list-style-type: none"> <li>• ISO 10605, Section 8, Table C.2, Category 2 – Direct Air Discharge</li> </ul>

**Summary of Tests Performed at Independent Facility**

<b>Test Description</b>	<b>Test Parameters</b>
Humidity Test date:	MIL-STD 810G, Method 507.5, 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:	MIL-STD 810G, Method 503.5, Procedure I-C <ul style="list-style-type: none"> <li>• Three, 2-hour cycles from 71°C to -40°C to 71°C</li> </ul>
Low Temperature: Operational Test date:	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:	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:	MIL-STD 810G, Method 501.5, Procedure II <ul style="list-style-type: none"> <li>• 50°C Operating, 96-hour duration</li> </ul>

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High Temperature: Storage Test date:	MIL-STD 810G, Method 501.5, Procedure I <ul style="list-style-type: none"> <li>71°C Non-Operating, 96-hour duration</li> </ul>
Shock – Crash Hazard Test date:	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:	EN 50498:2010
EMC Testing Test date:	EN 55032:2015 <ul style="list-style-type: none"> <li>CISPR 32 – Class B</li> <li>FCC Part 15, Subpart B – Class B</li> </ul>
E-Mark Test date:	ECE R10 REV.5

**Other Certifications**

Description
EN 50581:2012 RoHS2 Directive 2011/65/EU

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