Testing Summary
Getac ZX-80 Tablet Docking Station
(7160-1936-00, 7160-1936-03)
Summary of Tests Performed at Gamber-Johnson

Test Description	Test Parameters
Vibration – Operational Test date: May, 2024	Getac Developmental Testing Specification per Figure 1. Test duration is two hours along three mutually orthogonal axes – not simultaneously (6 hours total). • Unit is unlocked • OEM provided operating conditions
Vibration – Operational RF Connection Test date: May, 2024	Getac Developmental Testing Specification per Figure 1. Test duration is two hours along three mutually orthogonal axes – not simultaneously (6 hours total). • Unit is unlocked • OEM provided operating conditions • Test is performed simultaneously with operational test. • Test is monitored to record any breaks in RF connectivity during vibration.
Vibration – Non-Operational (Minimum Integrity) Test date: May, 2024	Getac Developmental Testing Specification. MIL-STD-810H, Method 514.8, Category 24, per Figure 514.8E-1. Test duration is one hour along three mutually orthogonal axes – not simultaneously (3 hours total). • Unit is unlocked • OEM provided operating conditions
Functional Shock - Operational Test date: May, 2024	Getac Developmental Testing Specification. MIL-STD-810H, Method 516.8, Procedure 1, 3 positive and 3 negative pulses each axis (vertical, longitudinal and transverse), 18 pulses • 20G, 11ms, terminal sawtooth • Unit is unlocked
Mechanical Shock Safety - Non-Operational Test date: May, 2024	Getac Developmental Testing Specification. MIL-STD-810H, Method 516.8, Procedure 1, 3 positive and 3 negative pulses each axis (vertical, longitudinal and transverse), 18 pulses total. • 40G, 11ms half sine • Unit is unlocked
Shock – Bump Test – Operational Test date: May, 2024	Getac Developmental Testing Specification. IEC 60068-2-27:2008. 1000 positive and negative pulses in the vertical axis, 2000 total. • 25G, 6ms half sine • Unit is unlocked

Gamber-Johnson LLC · 5001 Joerns Drive · Stevens Point, Wisconsin 54481
PHONE: 1-715-344-3482 · FAX: 1-715-344-5209 · EMAIL: gamberj@gamberjohnson.com · www.gamberjohnson.com

Cycle Testing – Non-Operational Test date: Pending	• 30,000 cycles of the docking connector, latching and locking mechanisms ○ 5,000 of which to be done by hand.
Electrostatic Discharge – Operational Test date: June, 2024	ISO 10605, Section 8, Table C.2, Category 2 – Direct Air Discharge

Summary of Tests Performed at Independent Facility

Test Description	Test Parameters
Humidity Test date: May, 2024	MIL-STD 810G, Method 507.5, Procedure ll, Aggravated, Table 507.5 • Ten 24-hour cycles, temperature varied from 30°C to 60°C to 30°C at constant 95% relative humidity.
Thermal Shock Test date: May, 2024	MIL-STD 810G, Method 503.5, Procedure l-C • Three, 2-hour cycles from -40°C to 85°C to -40°C • Transition time one minute
Low Temperature: Storage Test date: May, 2024	MIL-STD 810G, Method 502.5, Procedure l • -40°C Non-Operating, 96-hour duration
Low Temperature: Operational Test date: May, 2024	MIL-STD 810G 501.5, Procedure II-Operation • -20°C Operating, 96 hour duration
High Temperature: Operational Test date: May, 2024	MIL-STD 810G, Method 501.5, Procedure ll • 50°C Operating, 96-hour duration
High Temperature: Storage (Material Aging) Test date: May, 2024	Getac Developmental Testing Specification • Start Temp at 24°C, 2 hours • Ramp time to 85°C, 2 hours • 85°C Non-Operating, 72-hour duration • Ramp time to 24°C, 2 hours
Shock – Crash Hazard Test date: May, 2024	SAE J1455, Section 4.11.3.5, per Figure 13 • Unit is unlocked

EMC Testing Test date: May, 2024	EN 55032:2015 • CISPR 32 – Class B • FCC Part 15, Subpart B – Class B • ICES-003, Issue 7:2020 – Class B
EMC Testing Test date: May, 2024	EN 50498:2010

Other Certifications

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