



**Testing Summary**  
**Zebra ET4X 8"/10" Tablet Docking Station**  
 (7160-1801, 7160-1807)

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

<b>Test Description</b>	<b>Test Parameters</b>
Vibration – Operational Test date: Nov, 2022	MIL-STD-810G, Method 514.6, Procedure 1, Category 4, per Figure 514.6C-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> </ul>
Vibration – Non-Operational (Minimum Integrity) Test date: Nov, 2022	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. <ul style="list-style-type: none"> <li>• Unit is unlocked</li> </ul>
Functional Shock - Non-Operational Test date: Nov, 2022	MIL-STD-810G, Method 516.6, Procedure 1, 3 positive and 3 negative pulses each axis (vertical, longitudinal and transverse), 18 pulses <ul style="list-style-type: none"> <li>• 20G, 11ms half sine</li> <li>• Unit is unlocked</li> </ul>
Mechanical Shock Safety - Non-Operational Test date: Nov, 2022	MIL-STD-810G, Method 516.6, Procedure 1, 3 positive and 3 negative pulses each axis (vertical, longitudinal and transverse), 18 pulses <ul style="list-style-type: none"> <li>• 40G, 11ms half sine</li> <li>• Unit is unlocked</li> </ul>
Electrostatic Discharge – Operational Test date: Jan, 2023	ISO 10605, Section 8, Table C.2, Category 2 – Direct Air Discharge
Cycle Testing – Non-Operational Test date: Dec , 2022	30,000 cycles of the docking connector, latching and locking mechanisms

**Summary of Tests Performed at Independent Facility**

<b>Test Description</b>	<b>Test Parameters</b>
Humidity Test date: Dec, 2022	MIL-STD 810G, Method 507.5, Procedure II, Aggravated, Table 507.5- I <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: Dec, 2022	Range: -40° C to +85° C(Keep 2 hours in each temperature) <ul style="list-style-type: none"> <li>• Gradient: Within 15 seconds</li> <li>• Cycle: 50</li> </ul>

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Low Temperature: Operational Test date: Dec, 2022	MIL-STD 810G, Method 502.5, Procedure II <ul style="list-style-type: none"> <li>-20°C Operating, 24-hour duration</li> </ul>
Cold Resistance: Test date: Dec, 2022	-40°C Non-Operating, 72-hour duration
High Temperature: Operational Test date: Dec, 2022	MIL-STD 810G, Method 501.5, Procedure II, Table 501.5-II, Induced Conditions <ul style="list-style-type: none"> <li>Five 24-hour cycles, temperature varied from 30°C to 60°C to 30°C</li> </ul>
High Temperature: Storage Test date: Dec, 2022	MIL-STD 810G, Method 501.5, Procedure I, Table 501.5-III, Induced Conditions <ul style="list-style-type: none"> <li>Seven 24-hour cycles, temperature varied from 33°C to 71°C to 33°C</li> </ul>
Heat Resistance: Test date: Dec, 2022	85°C Non-Operating, 72-hour duration
EMC Testing Test date: Nov, 2022	EN 55032:2015 <ul style="list-style-type: none"> <li>CISPR 32 – Class A</li> <li>FCC Part 15, Subpart B – Class A</li> </ul>
EMC Testing Test date: Nov, 2022	EN 50498:2010
Shock – Crash Hazard Test date: Nov, 2022	SAE J1455, Section 4.11.3.5, per Figure 13 Unit is unlocked

#### Other Certifications

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

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