



Testing Summary

Zebra L10 Tablet Docking Station

(7160-1321, 7160-1453)

Summary of Tests Performed at Gamber-Johnson

Test Description	Test Parameters
Vibration – Operational Test date: September, 2019	MIL-STD-810G, Method 514.6, Procedure 1, Category 4, per Figure 514.6C-3. Test duration is two hours along three mutually orthogonal axes – not simultaneously (6 hours total). <ul style="list-style-type: none"> • Unit is unlocked
Vibration – Operational RF Connection Test date: September, 2019	MIL-STD-810G, Method 514.6, Procedure 1, Category 4, per Figure 514.6C-3. Test duration is two hours along three mutually orthogonal axes – not simultaneously (6 hours total). <ul style="list-style-type: none"> • Unit is unlocked • 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: September, 2019	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"> • Unit is locked
Functional Shock - Non-Operational Test date: September, 2019	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"> • 20G, 11ms half sine • Unit is locked
Mechanical Shock Safety - Non-Operational Test date: September, 2019	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"> • 40G, 11ms saw-tooth • Unit is locked
Electrostatic Discharge – Operational Test date: April, 2019	ISO 10605, Section 8, Table C.2, Category 2 – Direct Air Discharge
Cycle Testing – Operational Test date: September-October, 2019	30,000 cycles of the docking connector, latching and unlatching mechanisms. <ul style="list-style-type: none"> • Functionality of the dock checked at every 2,500 cycles.

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Spill Test Test date: November, 2019	L10 Extended I-O Vehicle Dock PRD <ul style="list-style-type: none"> • Test performed to determine the water sensitivity of the dock.
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Summary of Tests Performed at Independent Facility

Test Description	Test Parameters
Humidity Test date: August-September, 2019	MIL-STD 810G, Method 507.5, Procedure II, Aggravated, Table 507.5- I <ul style="list-style-type: none"> • Ten 24-hour cycles, temperature varied from 30°C to 60°C to 30°C at constant 95% relative humidity.
Low Temperature: Operational Test date: August-September, 2019	MIL-STD 810G, Method 502.5, Procedure II <ul style="list-style-type: none"> • -20°C Operating, 24-hour duration
Low Temperature: Storage Test date: August-September, 2019	MIL-STD 810G, Method 502.5, Procedure I <ul style="list-style-type: none"> • -40°C Non-Operating, 24-hour duration
High Temperature: Operational Test date: August-September, 2019	MIL-STD 810G, Method 501.5, Procedure II, Table 501.5-II, Induced Conditions <ul style="list-style-type: none"> • Five 24-hour cycles, temperature varied from 30°C to 60°C to 30°C
High Temperature: Storage Test date: August-September, 2019	MIL-STD 810G, Method 501.5, Procedure I, Table 501.5-III, Induced Conditions <ul style="list-style-type: none"> • Seven 24-hour cycles, temperature varied from 33°C to 71°C to 33°C
Thermal Shock Test date: August-September, 2019	MIL-STD 810G, Method 503.5, Procedure I <ul style="list-style-type: none"> • 50 cycles, each cycle being 2 hours long • 85°C to -40°C with a transfer time of less than 1 minute
Shock – Crash Hazard Test date: September, 2019	SAE J1455, Section 4.11.3.5, per Figure 13 <ul style="list-style-type: none"> • Unit is locked
EMC Testing Test date: August, 2019	EN 55032: 2012/AC: 2013 <ul style="list-style-type: none"> • CISPR 32 – Class A • FCC Part 15, Subpart B – Class A ECE R10: 2014 Addendum 9, Revision 5 <ul style="list-style-type: none"> • E-Mark

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Other Certifications

Description
IEC 63000 RoHS3 2016 Directive 2015/863/EU

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