



Testing Summary

Getac S410 Docking Station

(7160-0790-XX, 7160-0791-XX)

Summary of Tests Performed at Gamber-Johnson

Test Description	Test Parameters
Vibration – Operational Test date: June, 2016	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"> • Unit is unlocked
Vibration – Operational RF Connection Test date: June, 2016	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"> • 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: June, 2016	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 unlocked
Functional Shock - Non-Operational Test date: June, 2016	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 unlocked
Mechanical Shock Safety - Non-Operational Test date: June, 2016	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 half sine • Unit is unlocked
Cycle Testing – Non-Operational Test date: June, 2016	30,000 cycles of the docking connector, latching and locking mechanisms
Electrostatic Discharge – Operational Test date: June, 2016	ISO 10605, Section 8, Table C.2, Category 2 – Direct Air Discharge
High Temperature: Storage Test date: June, 2016	MIL-STD 810G, Method 502.5, Procedure I <ul style="list-style-type: none"> • 7 (24) hour cycles from 33°C to 71°C

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High Temperature: Operational Test date: June, 2016	MIL-STD 810G, Method 501.5, Procedure II <ul style="list-style-type: none"> • 5 (24) hour cycles from 30°C to 63°C
Low Temperature: Storage Test date: June, 2016	MIL-STD 810G, Method 502.5, Procedure I <ul style="list-style-type: none"> • -40°C Non-Operating, 24 hours
Low Temperature: Operational Test date: June, 2016	MIL-STD 810G, Method 502.5, Procedure II <ul style="list-style-type: none"> • -20°C Operating, 24 hours
Humidity Test date: June, 2016	MIL-STD 810G, Method 507.5, Procedure II <ul style="list-style-type: none"> • 10 (24) hour cycles, temperature varied from 30°C to 60°C to 30°C at constant 95% relative humidity.

Summary of Tests Performed at Independent Facility

Test Description	Test Parameters
Shock – Crash Hazard Test date: February, 2017	SAE J1455, Section 4.11.3.5, per Figure 13 <ul style="list-style-type: none"> • Unit is unlocked
EMC Testing Test date: June 2016	EN 50498:2010
EMC Testing Test date: June 2016	EN 55032:2015 <ul style="list-style-type: none"> • CISPR 22 – Class A • FCC Part 15, Subpart B – Class A

Other Certifications

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

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