GAMBER JOHNSON
Very Well Connected™

Testing Summary
7160-0515 V110 Docking Station

Summary of Tests Performed at Gamber-Johnson

Test Description	Test Parameters
Vibration – Operational Test date: Feb, 2014	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). • Unit is unlocked • Vertical Profile used in all axes
Vibration – Operational **RF Connection** Test date: Feb, 2014	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). • Unit is unlocked • Vertical Profile used in all axes • 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: Feb, 2014	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. • Unit is unlocked
Functional Shock - Non-Operational Test date: Feb, 2014	MIL-STD-810G, Method 516.6, Procedure 1, 3 positive and 3 negative pulses each axis (vertical, longitudinal and transverse), 18 pulses • 20G, 11ms half sine • Unit is unlocked
Mechanical Shock Safety - Non-Operational Test date: Feb, 2014	MIL-STD-810G, Method 516.6, Procedure 1, 3 positive and 3 negative pulses each axis (vertical, longitudinal and transverse), 18 pulses • 40G, 11ms half sine • Unit is unlocked
Cycle Testing – Non-Operational Test date: March 2014	30,000 cycles of the docking connector
Cycle Testing – Non-Operational Test date: March 2014	10,000 cycles of the latching and locking mechanisms
Electrostatic Discharge – Operational Test date: Feb, 2014	ISO 10605, Section 8, Table C.2, Category 2 – Direct Air Discharge

An ISO 9001:2008 certified company

GAMBER JOHNSON
Very Well Connected™

Summary of Tests Performed at Independent Facility

Test Description	Test Parameters
Humidity Test date: March, 2014	MIL-STD 810G, Method 507.5, Procedure ll, Aggravated, Table 507.5-lX • 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: March, 2014	MIL-STD 810G, Method 502.5, Procedure ll • -10°C Operating, 2-hour duration
Low Temperature: Storage Test date: March, 2014	MIL-STD 810G, Method 502.5, Procedure l • -51°C Non-Operating, 4-hour duration
High Temperature: Operational Test date: March, 2014	MIL-STD 810G, Method 501.5, Procedure ll, Table 501.5-ll, Induced Conditions • Three 24-hour cycles, temperature varied from 30°C to 60°C to 30°C
High Temperature: Storage Test date: March, 2014	MIL-STD 810G, Method 502.5, Procedure l, Table 502.5-lll, Induced Conditions • Seven 24-hour cycles, temperature varied from 33°C to 71°C to 33°C
Shock – Crash Hazard Test date: Pending	SAE J1455, Section 4.11.3.5, per Figure 13 • Unit is unlocked
EMC Testing Test date: April, 2014	E-Mark • UN ECER Regulation No. 10
EMC Testing Test date: Feb, 2014	EN 55022:2010/AC:2010 • CISPR 22 – Class A • FCC Part 15, Subpart B – Class A

Other Certifications

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

Gamber-Johnson LLC · 3001 Borham Avenue · Stevens Point, Wisconsin 54481
PHONE: 1-715-344-3790 · FAX: 1-715-344-5209 · EMAIL: gamberj@gamberjohnson.com · www.gamberjohnson.com