Testing Summary
Dell Tablet Docking Station and Cradle
(7160-0840, 7160-0881)
Summary of Tests Performed at Gamber-Johnson

Test Description	Test Parameters
Vibration – Operational Test date: Dec., 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). • Unit is unlocked
Vibration – Operational **RF Connection** Test date: Dec., 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). • 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: Dec., 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. • Unit is unlocked
Functional Shock - Non-Operational Test date: Dec., 2016	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: Dec., 2016	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: January, 2017	30,000 cycles of the docking connector, latching and locking mechanisms
Electrostatic Discharge – Test date: Dec., 2016	ISO 10605, Section 8, Table C.2, Category 2 – Direct Air Discharge

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Summary of Tests Performed at Independent Facility

Test Description	Test Parameters
Humidity Test date: December, 2016	MIL-STD 810G, Method 507.5, Procedure ll, Aggravated, Table 507.5-lX • Ten 24-hour cycles, temperature varied from 30ºC to 60ºC to 30°C at constant 95% relative humidity.
Thermal Shock Test date: December, 2016	MIL-STD 810G, Method 503.5, Procedure l-C • Three cycles from 71ºC to -51ºC to 71°C
Low Temperature: Operational Test date: December, 2016	MIL-STD 810G, Method 502.5, Procedure ll • -21°C Operating, 2-hour duration
Low Temperature: Storage Test date: December, 2016	MIL-STD 810G, Method 502.5, Procedure l • -51°C Non-Operating, 4-hour duration
High Temperature: Operational Test date: December, 2016	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: December, 2016	MIL-STD 810G, Method 502.5, Procedure l, Table 502.5-lll, Induced Conditions • Seven 24-hour cycles, temperature varied from 33ºC to 71ºC to 33°C
Shock – Crash Hazard Test date: February, 2017	SAE J1455, Section 4.11.3.5, per Figure 13 • Unit is unlocked
EMC Testing Test date: November, 2016	EN 50498:2010
EMC Testing Test date: December, 2016	EN 55032:2015 • CISPR 22 – Class B • FCC Part 15, Subpart B – Class B

Other Certifications

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