Testing Summary
Dell 7230 Tablet Docking Station
(7160-1772)

Summary of Tests Performed at Gamber-Johnson

Test Description	Test Parameters
Vibration – Operational Test date: March, 2023	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 – Non-Operational (Minimum Integrity) Test date: March, 2023	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: March, 2023	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: March, 2023	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
Electrostatic Discharge – Operational Test date: April, 2023	ISO 10605, Section 8, Table C.2, Category 2 – Direct Air Discharge

Summary of Tests Performed at Independent Facility

Test Description	Test Parameters
Humidity Test date: December, 2022	MIL-STD 810G, Method 507.5, Procedure ll, Aggravated, Table 507.5- l • Ten 24-hour cycles, temperature varied from 30°C to 60°C to 30°C at constant 95% relative humidity.
Thermal Shock Test date: December, 2022	85°C to -40°C, Non-Operating • 2hrs at each temperature, 50 cycles

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Low Temperature: Operational Test date: December, 2022	MIL-STD 810G, Method 502.5, Procedure ll • -20°C Operating, 24-hour duration
Low Temperature: Storage Test date: December, 2022	MIL-STD 810G, Method 502.5, Procedure l • -40°C Non-Operating, 24-hour duration
High Temperature: Operational Test date: December, 2022	MIL-STD 810G, Method 501.5, Procedure ll, Table 501.5-ll, Induced Conditions • Five 24-hour cycles, temperature varied from 30°C to 60°C to 30°C
High Temperature: Storage Test date: December, 2022	MIL-STD 810G, Method 501.5, Procedure l, Table 501.5-lll, Induced Conditions • Seven 24-hour cycles, temperature varied from 33°C to 71°C to 33°C
EMC Testing Test date: January, 2023	EN 55032:2015 • CISPR 32 – Class B • FCC Part 15, Subpart B – Class B
EMC Testing Test date: January, 2023	EN 50498:2010
Shock – Crash Hazard Test date: November, 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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