TESTING SUMMARY

TrimLine Dock and Cradle for Panasonic CF33 Laptop

(AS7.P033.500 | AS7.P033.502 | AS7.P033.510 | AS7.P033.512 | AS7.P033.504 | AS7.P033.514 | AS7.P033.522 | AS7.P033.600 | AS7.P033.602 | AS7.P033.610 | AS7.P033.612)

Test Description	Test Parameters
Vibration: Operational *Test date: Sep 2019* **(performed in both tablet and laptop mode)**	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 (6 hours total). Tested after non-operational vibration on 3 axis. • Unit is unlocked • Panasonic provided operating conditions • RF connection is also monitored during the test. • Test is monitored to record any breaks in RF connectivity during vibration.
Vibration: Non-Operational *Test date: Sep 2019* **(performed in both tablet and laptop mode)**	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 (3 hours total). • Unit is unlocked
Mechanical Shock Safety: Non-Operational *Test date: Sep 2019* **(performed in both tablet and laptop mode)**	MIL-STD-810G, Method 516.6, Procedure 1, 3 positive and 3 negative pulses along three mutually orthogonal axes (18 shocks in total). • 20G, 11ms half sine • 40G, 11ms half sine • Unit is unlocked
Mechanical Shock Safety: Non-Operational *Test date: Sep 2019* **(performed in laptop mode)**	MIL-STD-810G CHG 1, Method 516.7, Procedure 5, SRS: 2 positive and 2 negative pulses along three mutually orthogonal axes (12 shocks in total). • 75G • Unit is unlocked
Cycle Test: Non-Operational *Test date: Oct 2019*	30,000 cycles of the docking connector, latching and locking mechanisms
Shock – Crash Hazard: Non-Operational *Test date: Sep 2019* **(performed in both tablet and laptop mode)**	SAE J1455, Section 4.11.3.5, per Figure 13 • Unit is unlocked • Unit is tested in front to back and side to side orientations
Electrostatic Discharge: *Test date: Oct 2019*	ISO 10605, Section 8, Table C.2, Category 2 – Direct Air Discharge Operational
EMC Testing *Test date: Sep 2019*	• CFR Title 47 FCC Part 15 • ICES-003 Issue 6 • CISPR 32/EN 55032:2012/AC:2013 • AS/NZS CISPR 32 • VCCI 32-1 • EN 50498:2010
Electrical Safety Testing *Test date: Sep 2019*	• CSA C22.2 No. 60950-1 • UL 60950-1
Low Temperature: Operational	MIL-STD 810G, Method 502.5, Procedure ll • -10°C Operation, 24-hours

Test date: Sep 2019	
Low Temperature: Storage *Test date: Sep 2019*	MIL-STD 810G, Method 502.6, Procedure I • -40°C Non-Operational, 72 hours
High Temperature: Operational *Test date: Sep 2019*	MIL-STD 810G, Method 501.5, Procedure II, Table 501.5-II, Induced Conditions • Five 24-hour cycles, temperature varied from 30°C to 63°C to 30°C
High Temperature: Storage *Test date: Sep 2019*	MIL-STD 810G, Method 501.5, Procedure I, Table 501.6-III, Induced Conditions • 85°C Non-Operational, 72 hours
Thermal Shock *Test date: Sep 2019*	MIL-STD 810G, Method 503.5, Procedure I-C • Fifty cycles from 85°C to -40°C to 85°C; Dwell Time of 2 hours at each temp.
Humidity *Test date: Sep 2019*	MIL-STD 810G, Method 507.5, Procedure II, Aggravated, Table 507.5- IX • Ten 24-hour cycles, temperature varied from 30°C to 60°C to 30°C at constant 95% relative humidity.
RoHS Compliance *Date: Apr 2019*	EN 50581:2012 RoHS2 Directive 2011/65/EU

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Conforms to CSA C22.2 No. 60950-1-07, UL 60950-1