ASUS MIL-STD 810H Test Report - B1400/B1500

Test Category	Test Method	MIL-STD-810H Test Parameters	Test Result
Altitude Storage/ Air Transport	Method 500.6-Procedure I	Test Pressure: Equivalent to cabin altitude of 40,000ft Temperature: -20°C Duration:12 hour Unit is non-operational during test.	Pass
Altitude Operation/Air Carriage	Method 500.6-Procedure II	Test Pressure: Equivalent to cabin altitude of 15,000ft Temperature: 5°C and 40°C Duration: 12 hour (5°C) and 12 hour (40°C) Unit is operational during test.	Pass
High Temperature Operational (Hot Dry)	Method 501.7-Procedure II (A1)	Duration: 3 day exposure (3 X 24 hr. cycles) Temperature: 32~49°C cycling temperature exposure Table 501.7-III-Procedure. High temperature cycles, climate category A1 Hot Dry Unit is operational during test.	Pass
High Temperature Storage and Transit (Hot Dry)	Method 501.7-Procedure I (A1)	Duration: 7 day exposure (7 X 24 hr. cycles) Temperature: 33~71°C cycling temperature exposure Table 501.7-III-Procedure. High temperature cycles, climate category A1 Hot Dry Unit is non-operational during test.	Pass
High Temperature Operational (Basic Hot)	Method 501.7-Procedure II (A2)	Duration: 3 day exposure (3 X 24 hr. cycles) Temperature: 30~43°C cycling temperature exposure Table 501.7-II-Procedure. High temperature cycles, climatic category A2 - Basic Hot Humidity: 14~44% Unit is operational during test.	Pass
High Temperature Storage and Transit (Basic Hot)	Method 501.7-Procedure I (A2)	Duration: 7 day exposure (7 X 24 hr. cycles) Temperature: 30~63°C cycling temperature exposure Table 501.7-II-Procedure. High temperature cycles, climatic category A2 - Basic Hot Humidity: 5~44% Unit is non-operational during test.	Pass
Low Temperature Storage and Transit (Basic climatic)	Method 502.7- Procedure I (C1)	Duration: 7 day exposure (7 X 24 hr. cycles) Temperature: -25~ -33°C Low temperature cycles, Table IX. Basic climatic_C1 Unit is non-operational during test.	Pass
Low Temperature Operational (Basic climatic)	Method 502.7- Procedure II (C1)	Duration: 3 day exposure (3 X 24 hr. cycles) Temperature: -21~ - 32°C Low temperature cycles,Table IX. Basic climatic_C1 Unit is operational during test.	Pass
Vibration	Method 514.8- Procedure I (Table514.8C-I)	Frequency 10-500Hz, Vertical rms = 1.04 g Transverse rms = 0.02g, Longitudinal rms = 0.74g Test Time: 60 minutes per axis (US highway truck vibration exposure)	Pass
	Method 514.8- Procedure I (Table514.8C-IV)	Frequency 5-500Hz, Vertical rms = 4.43 g Transverse rms = 1.30g, Longitudinal rms = 2.86g Test Time: 32 minutes per axis	Pass
	Method 514.8- Procedure I (Table514.8C-VII)	Frequency 5-500Hz, Vertical rms = 2.24 g Transverse rms = 1.48g, Longitudinal rms = 1.90g Test Time: 40 minutes per axis	Pass
Shock	Method 516.8- Procedure I	Functional Shock Operational 3 shocks/axis/direction for a total of 18 shocks; 40 Gs peak, 11 ms	Pass
	Method 516.8- Procedure III	Fragility Non-operational 3 shocks/axis/direction for a total of 18 shocks 30~50 Gs peak, Trapezoidal pulse(772cm/s, 10G/each stage)	Pass
	Method 516.8- Procedure VI	Bench Handling (Drop Height : 100 mm) Unit is operational during test.	Pass
Mechanical Vibrations of Shipboard Equipment	Method 528.1- Procedure1 (Type 1)	Environmental Vibration 4~33 Hz/ 2Hours	Pass

1. The ASUS testing regimen is not a guarantee of future performance under the specified test conditions. Damage occurring under these test conditions would be considered accidental, and would not be covered by the standard ASUS warranty. Additional cover is available with the ASUS Accidental Damage Protection care pack.

2. MIL-STD-810 testing is conducted on selected ASUS products only. These tests are not intended to and do not demonstrate fitness for US Department of Defense (DoD) contract requirements or for military use.
Test results are not a guarantee of future performance under the specified test conditions. Damage occurring under these test conditions would be considered accidental, and would not be covered by the standard ASUS warranty.