

**Trident Space & Defense**

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**ENVIRONMENTAL & EMC QUALIFICATION SUMMARY FOR  
 TRITON SERIES 2.5" IDE SOLID STATE DRIVE (SSD),  
 MODEL #T25I**

**Environmental Test Conditions, MIL-STD-810F Testing – Solid State Drive**

Test	Test Method	Test Condition	Results
High Temperature	Method 501.4	Procedure II, +85°C	Passed
Low Temperature	Method 502.4	Procedure II, -40°C	Passed
Humidity	Method 507.4	60°C, 95% RH	Passed
Temperature Shock	Method 503.4	Procedure I, -40°C to +85°C, 10 Cycles	Passed
Vibration	Method 514.5	Procedure I, Category 24, 16.3 grms, 3-axes @ 1 hour each	Passed
Mechanical Shock	Method 516.5	Procedure III, 1,500g, half-sine, 0.5ms, 6-direction x 3 times	Passed
Altitude	Method 500.4	Procedure II, 80,000 ft., 4 hours	Passed

**Electromagnetic Compatibility Compliance Tests (FCC - CFR Title 47, Part 15)**

Test	Test Method	Test Condition	Results
Radiation Emission	§15.109a	150 KHz to 30MHz, Class B	Complies
Conducted Emission	§15.107a	30MHz to 1GHz, Class B	Complies

\* Detailed Report for Trident's Solid State Drive (SSD) Available Upon Request