



Comprehensive MIL-STD Testing and Certification

Requirement	Details
Operating Temp	-46 to +60°C
Storage Temperature	-46 to +85°C (Induced) ¹
High Temp (Operating)	Method 501.7 Procedure II — Hot Dry A1, 60°C max
High Temp (Storage)	Method 501.7 Procedure I — Hot Dry A1, 85°C max
Low Temp (Operating)	Method 502.7 Procedure II — Cold C2, -46°C min
Low Temp (Storage)	Method 502.7 Procedure I — Cold C2, -46°C min
Humidity	Method 507.6 Procedure II — Aggravated Cycle, 10 Cycles

Standard	Requirement	Details
MIL-STD-810H	Altitude	Method 500.6 Procedure II — Operation/Air Carriage Altitude range: -1500 to +50,000 ft
	Vibration	Method 514.8 Procedure I: Category 12: Jet Aircraft — Installed Materiel Category 13: Propeller Aircraft — Installed Materiel Category 20: Ground Mobile — Installed Materiel in Wheeled Tracked/Trailer Category 23: Personnel — Materiel Carried By/On Personnel
	Shock	Method 516.8, Procedure I — Functional Shock, 40G Peak Objective
	Transport Vibration	Method 514.8 Procedure I: Category 4: Common Carrier — Two-Wheeled Trailer Composite Category 7: Aircraft — Jet Cargo Vibration Exposure Category 8: Propeller aircraft — Vibration Exposure (4- and 6-Bladed C-130) Category 9: Helicopter Vibration Exposure Category 10: Helicopter Vibration Zones
IP67	Immersion	Water Immersion up to 1 m for 30 min
EMI/EMC	MIL-STD-461G	Compliant
	CE102 — Conducted Emission 115 VAC and 220 VAC	10 kHz to 10 MHz
	CS101 — Conducted Susceptibility	30 Hz to 150 kHz
	CS114 — Bulk Cable Injection	10 to 200 kHz
	CS115 — Impulse Excitation	30 Hz Rate for 1 min
	CS116 — Damped Sinusoidal Transients	10 kHz to 100 MHz
	CS118 — Electrostatic Discharge	Level 3 (Air/Contact Discharge) ±8 kV
	RE102 — Radiated Emission (Army – Ground)	2 MHz to 18 GHz
	RS103 — Radiated Susceptibility (Army – Ground)	2 to 30 MHz 30 MHz to 1 GHz 1 to 18 GHz

¹ Induced conditions are air temperature levels to which material may be exposed during extreme storage or transit situations, or non-operational but in the operational configuration without containerization.