

Testing Facilities in Unmanned Aerial Systems (Defence) Testing Foundation (UASTF),

IIT Kanpur

1. Environmental Testing-

To validate component's performance in accordance with MIL and aeronautical standards

- Salt Spray Chamber
- Rain Drip Test Chamber
- Thermal Shock Chamber
- Temperature Chamber
- Climate Altitude Chamber (CATH)
- Humidity Chamber

2. Reliability and Safety Analysis

- Power Supply Equipment
- Field Master Handheld Spectrum Analyzer
- Universal Testing Machine
- Insulation Meter
- Clamp Meter
- Earth Resistance Tester
- Mixed Signal Oscilloscope
- 3D Optical Scanner
- 3D Coordinate Measuring Machine (CMM)

3. Dynamic Testing-

End-to-end flight testing, datalink validation and performance assessment for UAS platforms

- Mobile Ground Control Station (MGCS)
- Ground Control Station (GCS)

4. EMI/EMC Test Setup(Upcoming)-

Comprehensive EMI/EMC testing facility as per Aerospace and Military standards