

Electromagnetic Interference/Compatibility (EMI/EMC)
Control Test and Measurement Facility
Test Request Worksheet

This worksheet will facilitate the development of a cost and schedule estimate for utilizing the STL. Please complete this form and submit to the EMI/EMC Laboratory Manager, richard.m.deppisch@nasa.gov

Test Requester Information

| | |
|----------------------|---|
| Test Article Expert: | Contact Information (Phone, E-mail, Address): |
|----------------------|---|

Test Objectives

| | |
|---------------------------|---------------------------|
| Purpose of Test: | |
| Proposed Test Start Date: | Critical Test Start Date: |

Test Article

| | |
|------------------------------|--------------------------|
| Test Article Description: | |
| Physical Dimensions (L/W/H): | |
| Weight: | Test Article Setup Time: |

Support/Ancillary Equipment Provided by Test Requester:

Test Article Handling Requirements

Cleanliness Level:

Controlled Access:

Special Moving/Handling:

Power Requirements

Input Voltage Type (AC, DC, Both):

Input Voltage Requirement (Volts):

Input Power (Watts or Amps):

Number of Power Connections:

Power Phase:

Test Requirements

Ground Plane Requirements (Conductive/Non-Conductive Table, Requester-Provided):

Test Article Interface (e.g., support structure, connectors):

EMI Specification(s) To Be Met (specific standards, i.e., MIL-STD-461):

Instrumentation

List the primary measurements to be made (e.g., frequency voltage, amplitude):

Additional Information

List any other information pertinent to the test:

Test Article Hazard Checklist

A hazard analysis statement is required for any of the following applicable attributes of any of your provided hardware (e.g., test article, support equipment).

| Hazard | Y | N | Comments |
|---|--------------------------|--------------------------|----------|
| Mechanical | <input type="checkbox"/> | <input type="checkbox"/> | |
| Handling (> 40 lb or > 4 ft in any dimension) | <input type="checkbox"/> | <input type="checkbox"/> | |
| Instability | <input type="checkbox"/> | <input type="checkbox"/> | |
| Sharp Edges | <input type="checkbox"/> | <input type="checkbox"/> | |
| Pinch Points | <input type="checkbox"/> | <input type="checkbox"/> | |
| Exposed Mechanisms (e.g., rotating, reciprocating) | <input type="checkbox"/> | <input type="checkbox"/> | |
| Pressure Systems | <input type="checkbox"/> | <input type="checkbox"/> | |
| Stored Energy (e.g., springs, weights, flywheels) | <input type="checkbox"/> | <input type="checkbox"/> | |
| Ejected Parts, Projectiles | <input type="checkbox"/> | <input type="checkbox"/> | |
| Electrical | <input type="checkbox"/> | <input type="checkbox"/> | |
| Voltage (> 50 volts) | <input type="checkbox"/> | <input type="checkbox"/> | |
| Batteries (type and number) | <input type="checkbox"/> | <input type="checkbox"/> | |
| Generation/Storage (e.g., coils, magnets, capacitors) | <input type="checkbox"/> | <input type="checkbox"/> | |
| Electrostatic Sensitive Devices | <input type="checkbox"/> | <input type="checkbox"/> | |
| Thermal | <input type="checkbox"/> | <input type="checkbox"/> | |
| Hot Surfaces (> 113 °F, 45 °C) | <input type="checkbox"/> | <input type="checkbox"/> | |
| Heaters | <input type="checkbox"/> | <input type="checkbox"/> | |
| Cold Surfaces (< 39 °F, 4 °C) | <input type="checkbox"/> | <input type="checkbox"/> | |
| Cooling Devices | <input type="checkbox"/> | <input type="checkbox"/> | |

| Hazard | Y | N | Comments |
|------------------------------------|--------------------------|--------------------------|----------|
| Radiation | <input type="checkbox"/> | <input type="checkbox"/> | |
| Ionizing | <input type="checkbox"/> | <input type="checkbox"/> | |
| Non-Ionizing | <input type="checkbox"/> | <input type="checkbox"/> | |
| Laser | <input type="checkbox"/> | <input type="checkbox"/> | |
| Microwave | <input type="checkbox"/> | <input type="checkbox"/> | |
| Infrared (IR) | <input type="checkbox"/> | <input type="checkbox"/> | |
| Ultraviolet (UV) | <input type="checkbox"/> | <input type="checkbox"/> | |
| Radio Frequency (RF) | <input type="checkbox"/> | <input type="checkbox"/> | |
| Visible Light, High Intensity | <input type="checkbox"/> | <input type="checkbox"/> | |
| Material | <input type="checkbox"/> | <input type="checkbox"/> | |
| Uncontained Brittle Materials | <input type="checkbox"/> | <input type="checkbox"/> | |
| Contained Fluids | <input type="checkbox"/> | <input type="checkbox"/> | |
| Toxic, Corrosive, Flammable Fluids | <input type="checkbox"/> | <input type="checkbox"/> | |
| Biohazards | <input type="checkbox"/> | <input type="checkbox"/> | |
| Miscellaneous | <input type="checkbox"/> | <input type="checkbox"/> | |
| Noise Level (> 85 dBA) | <input type="checkbox"/> | <input type="checkbox"/> | |
| Ultrasonic | <input type="checkbox"/> | <input type="checkbox"/> | |
| Pyrotechnics/Explosives | <input type="checkbox"/> | <input type="checkbox"/> | |