



EMI/EMC, CLIMATICS, AND DYNAMICS TESTING

Element Rockford's 83,000 square foot facility provides best-in-class EMI/EMC, climatics, and dynamics testing services. Staffed by top test engineers with years of experience, customers get everything they need from a single location. We specialize in complex test programs and cater to a wide variety of industries, including: aerospace, military, commercial electronics, telecommunication, automotive, and medical.

EMI/EMC AND ESD TESTING AT ELEMENT ROCKFORD

We perform a variety of EMI/EMC and ESD testing, which include RS103, greater than 200 V/m, 10 kHz to 40 GHz, indirect lightning effects, and multiple burst/multiple stroke lightning up to Level 5 of DO-160. Element Rockford provides complete certification for aerospace, information technology, industrial, and for commercial electronic products to global EMC regulatory standards.

- Seven MIL/AERO Semi-Anechoic Chambers
- One Semi Anechoic Screen Room
- Two Electrodynamic Test Chambers (EMC)
 - 7m (Ro)-11.8 (o)-8 Reverberation Chamber (EMP) 100 MHz to 18 GHz
 - 8m (Ro)-11.8 (o)-8 Reverberation Chamber (EMP) 100 MHz to 18 GHz
- Extended Ground Plane Test Beds
- AC & Telecom Port Surge, Electrical Fast Transients, Ring-Wave, and Bust Testing
- Airborne Acoustic Noise and Structure-Borne Noise
- Shielding Effectiveness, Transfer Impedance
- Electrostatic Discharge to 30 kV
- Electrostatic Discharge to 50 kV/m
- HERO
- RADHAZ Analysis
- Two 500 HP 4-Quadrant Drives for Motor/Generator Testing
- Three 150 HP Drives for Motor/Generator Testing, two 4-Quadrant
- One 300 HP Drive for Motor/Generator Testing Dedicated to ENV Testing
- AC power to 480 VAC and DC Power to 600 VDC, 400 kW
- Reverberation for Accelerated

- to 30,000 lbs.
- >> 15' x 15' Door
- >> Suited for Heavy Vehicles to 80,000 lbs.
- >> High Temperature Vehicle Exhaust System

DELIVERING INNOVATIVE PRODUCT TESTING AND CERTIFICATION SOLUTIONS

HIRF TESTING IN ROCKFORD

Our operation is accredited for DO-160 radiated susceptibility testing both in-house and at your facilities. Packed in custom cases for easy transport, our state-of-the art HIRF testing equipment achieves category L pulse modulation levels from 400 MHz to 18 GHz.

DRIVE FORWARD WITH POWER SYSTEMS TESTING

We are fully equipped for testing power systems, producing up to 300 kVA and more. Seven chambers, which includes a 10-meter and reverberation chamber, are configured with drive stand ports and load rooms. Two 500 HP drive stands and one 150 HP drive stand are available on-site. Four of the drives are four-quadrant capable, allowing for both generator set and motor testing. Drives can be transferred between chambers to provide the best possible match between facility capability and test article configuration.

UNIQUE CAPABILITIES AT ELEMENT ROCKFORD

- HIRF. Element Rockford is accredited for DO-160 radiated susceptibility testing both in-house and mobile at customer facilities. Packed in custom cases for easy transport, our state-of-the art equipment achieves category L, pulse modulation levels from 400 MHz to 18 GHz.
- Power Systems. Element Rockford offers unique capabilities for testing power systems, producing up to 300 kVA and more. Seven chambers (including a 10-meter and reverberation chamber) are configured with drive stand ports and load rooms. Two 500 HP drive stands and one 150 HP drive stand are available on-site; each drive is four-quadrant capable allowing for both generator set and motor testing. Drives can be transferred between chambers as-needed to