The image shows the interior of an EMC test chamber. The walls are covered in black, cross-shaped electromagnetic interference (EMI) absorbers. In the foreground, there is a tall, silver metal stand with a red base and a yellow control panel. In the background, another similar stand is visible, and a red piece of equipment is mounted on a stand. The floor is light-colored and reflective. The top right corner of the image is overlaid with a blue diagonal shape containing the main title.

# TEST SYSTEM SOLUTIONS FOR COMMERCIAL EMC TESTING

**BEYOND MEASURE.™**

 **ETS·LINDGREN**<sup>®</sup>  
An ESCO Technologies Company

# ETS-LINDGREN IS AN EXPERIENCED PARTNER YOU CAN TRUST

AS THE LEADER IN COMMERCIAL TEST AND MEASUREMENT, ETS-LINDGREN HAS A WIDE VARIETY OF TEST SYSTEMS, PRODUCTS AND SERVICES TO MEET ALL OF YOUR TESTING NEEDS

ETS-Lindgren has the solutions to test to a wide variety of commercial EMC standards.

- EN 55011
- EN 55014
- EN 55015
- EN 55022
- EN 55025
- EN 55032
- IEC/EN 61000-4-3
- IEC/EN 61000-4-6
- ANSI C63.4

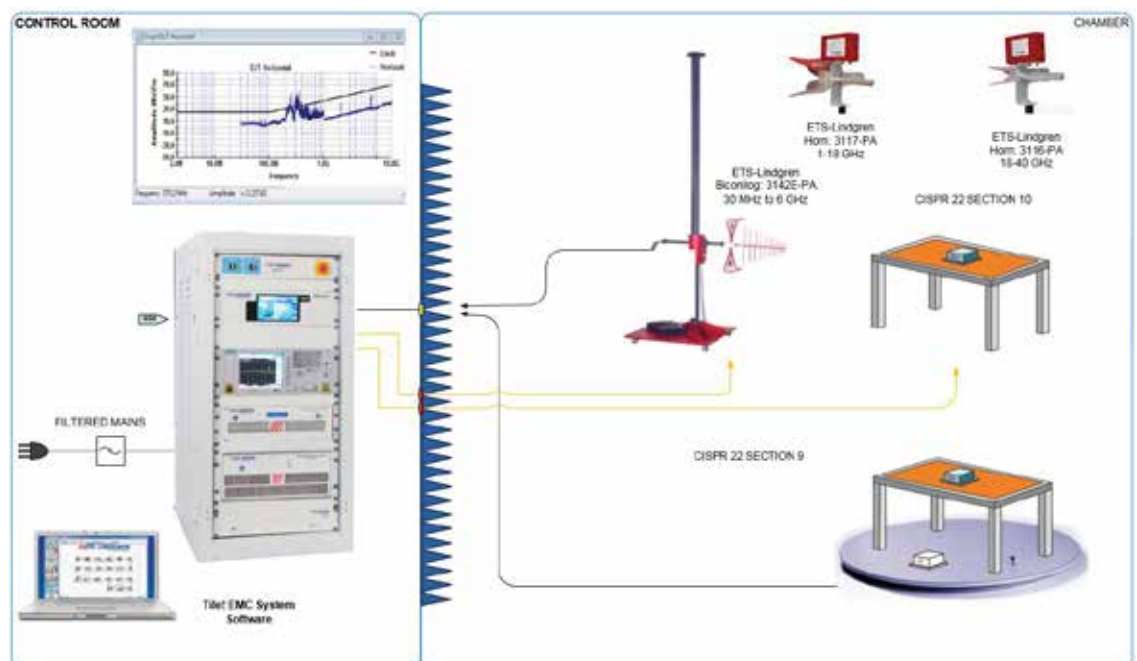
ETS-Lindgren is the leading manufacturer of products and accessories for Electromagnetic Compatibility (EMC) test and measurement. For more than 75 years, we've been building a resume to rival any company in the world with a wide range of high-performance products and accessories renowned for setting the research, development, production and service standards of any industry we serve. From chambers to software, absorbers to antennas, ETS-Lindgren's pioneering products are designed for ease-of-use, reliability and durability, with unparalleled attention to diversity, scale and precision. At ETS-Lindgren, we're guided by the principle that everything can be improved; as true for the products we innovate, as well as for the processes we demand.

## COMMERCIAL EMC TEST SYSTEMS

ETS-Lindgren offers standard solutions for emissions testing, such as CISPR 11, 16, 22, 25 or 32. Additionally, we have proven and tested immunity packages for IEC/EN 61000-4-3 and IEC/EN 61000-4-6. These systems are designed around our semi-anechoic chambers, antennas and field probes, positioning systems, EMCenter™ RF Test System Platform, instrumentation and amplifiers, and TILE!™ Lab Management Software.

For additional information on our test systems, please visit our website at [ets-lindgren.com](http://ets-lindgren.com) or contact your local ETS-Lindgren representative.

### TYPICAL TEST SETUP





## EMC TEST SYSTEM COMPONENTS

### SEMI-ANECHOIC CHAMBERS

FACT™ (Free-space Anechoic Chamber Test-site) 3 and 10 meter chambers provide the test environment you need for meeting most international emissions and immunity standards, such as CISPR, IEC, VCCI, ANSI, FCC, SAE, etc.

### ANTENNAS AND FIELD PROBES

ETS-Lindgren has a broad line of antennas and probes used in commercial EMC testing. Specifically, ETS-Lindgren's Double-Ridged Waveguide Horn Series and e-field probes provide the repeatability and performance critical to commercial EMC testing.

### POSITIONING SYSTEMS

ETS-Lindgren Model 2171B boresight antenna tower is ideal for commercial EMC test applications. Designed with a reduced footprint, the boresight feature keeps the DUT (Device Under Test) within the beam of the measurement antenna.

### EMCenter RF TEST SYSTEM PLATFORM

EMCenter is a flexible RF test platform that includes an integrated microcontroller, touch screen, and space for up to seven mix-or-match plug-in card modules. Each card module is an instrument that has been optimized for RF measurement.

### INSTRUMENTATION AND AMPLIFIERS

Your RF test system can be ordered with the carefully selected EMC instrumentation and amplifiers we provide or integrated with equipment you may already have in your lab. Adding or combining equipment is made easier with our large library of equipment drivers that support most popular brands of instrumentation, both new and existing.

### TILE! LAB MANAGEMENT AND VisionTRX™ VISUAL MONITORING SOFTWARE

TILE! (Total Integrated Lab Environment) software efficiently automates EMC testing in any environment. An optional library of predefined test profiles perform executive test functions and control instrumentation in the hardware loop. Test-specific profiles are available for most common tests and can be password protected to prevent unauthorized modification. VisionTRX software allows automated visual monitoring of relevant parameters during exposure to the specified electromagnetic field strengths. DUT may include speedometer needles, dash lights, LEDs, radios, heads up displays, etc. – the possibilities are limitless.

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