

# TEST SYSTEM SOLUTIONS FOR COMMERCIAL EMC TESTING

**COMMITTED TO A SMARTER,  
MORE CONNECTED FUTURE**

**ETS-LINDGREN®**  
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

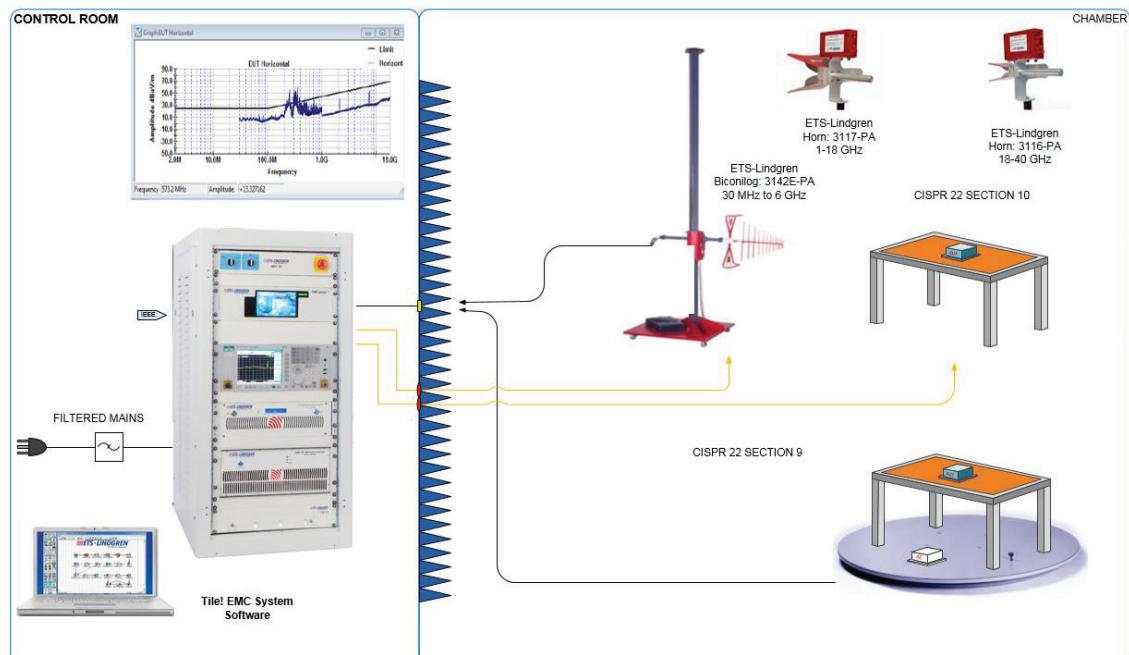
ETS-Lindgren is the leading manufacturer of products and accessories for Electromagnetic Compatibility (EMC) test and measurement. For more than 75 years, we've been building a resume to rival any company in the world with a wide range of high-performance products and accessories renowned for setting 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.

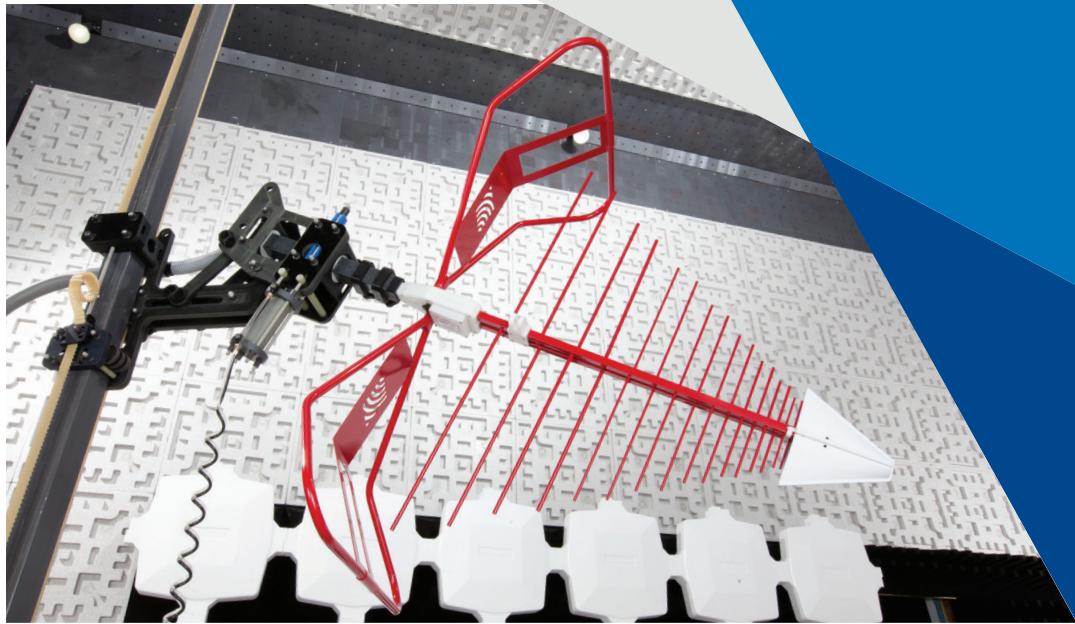
## COMMERCIAL EMC TEST SYSTEMS

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.

# Sales and Support Offices

## UNITED STATES – TEXAS

Cedar Park, TX  
+1.512.531.6400 Phone  
+1.512.531.6500 Fax  
info@ets-lindgren.com

## UNITED STATES – ILLINOIS

Wood Dale, IL  
+1.630.307.7200 Phone  
+1.630.307.7571 Fax  
info@ets-lindgren.com

## UNITED STATES – WISCONSIN

Minocqua, WI  
+1.715.356.2022 Phone  
+1.715.356.2023 Fax  
info@ets-lindgren.com

## FINLAND

Eura  
+358.2.8383.300 Phone  
+358.2.8651.233 Fax  
euinfo@ets-lindgren.com

## UNITED ARAB EMIRATES

Dubai  
+971.55.610.4055 Phone  
uae@ets-lindgren.com

## CHINA

Beijing  
+86(10)8273.0877 Phone  
+86(10)8273.0880 Fax  
china@ets-lindgren.com

## JAPAN

Tokyo  
+81.3.3813.7100 Phone  
+81.3.3813.8068 Fax  
japan@ets-lindgren.com

## INDIA

Bangalore  
+91.80.4341.8600 Phone  
+91.80.4341.8611 Fax  
indiainfo@ets-lindgren.com

## SINGAPORE

Singapore  
+65.6391.0026 Phone  
+65.6291.7311 Fax  
singapore@ets-lindgren.com

## TAIWAN

Taipei  
+886.2.27023389 Phone  
+886.2.27023055 Fax  
taiwan@ets-lindgren.com

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