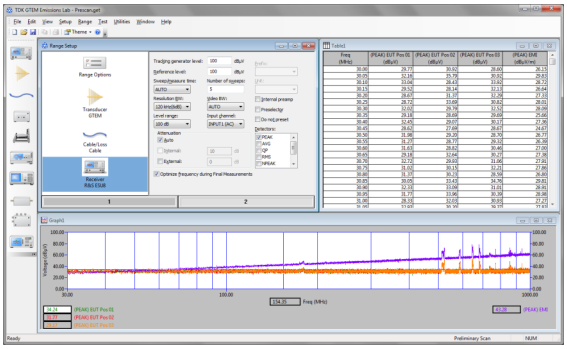
Data Sheet

# EMI-GTEM-LAB GTEM Emissions Lab Software

## Product Overview

**Performance** TDK GTEM Emissions Lab makes it simple to perform radiated emissions tests in a GTEM. Designed by experienced EMC engineers, TDK GTEM Emissions Lab is easy to use without sacrificing performance.

**Automated or Manual Control** You can create an uncomplicated system for others that practically runs itself, or you can interact with the test process every step of the way. For example, for radiated EMI tests in a GTEM, you can choose up to 12 EUT positions at which the software will make measurements. A GTEM-to-OATS correlation utility computes the E-field. User-defined limits, cable loss, and preamplifier factors are all taken into account.



**TDK GTEM Emissions Lab features a powerful yet easy-to-use set of tools to perform EMC testing in a GTEM.**

## Test Standards

- Designed for testing to CISPR, VDE, and FCC regulations

## Features

- Automatic positioning of the EUT in the GTEM using an optional XYZ Axis Positioning Device
- Compatible with many popular test instruments
- Stores test data for future retrieval & analysis
- Controls test process via LAN, USB, and/or GPIB

## Minimum System Requirements

- Windows 10 (64-bit) or Windows 11
- 6th generation Intel Core i5 CPU (i5-6xxx) / AMD Ryzen 7 (or better)
- 4 GB RAM
- Built-in USB 3.0 port

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## Testing Features

- Configurable sweep/measurement time
- Real-time data display during tests
- Supports a wide variety of receivers, spectrum analyzers, base station simulators, signal generators, switch modules, and other types of equipment
- Automatic, configurable peak search with options for ambient exclusion and narrowband/broadband discrimination
- Email notification of test completion with the test file optionally attached
- Tests may be paused, resumed, or stopped at any time
- Easy-to-edit factor and limit line files
- Frequency range may be split into sub-ranges to accommodate different equipment or settings in different frequency ranges
- Independent frequency stepping (linear, log, or file-based) in each sub-range
- Pause at the beginning or end of a sub-range and display a user-defined message
- Skip one or more sub-ranges

## Graph Features

- Flexible configuration allowing any data parameters to be plotted on any axis (x-axis, left y-axis, right y-axis)
- Linear or logarithmic axes
- Automatic or user-defined scaling of axes
- Configurable measurement units, trace thickness, color, and labels
- Graphs may be copied and pasted into documents in other applications (e.g. Word, etc.)
- Zoom, multiple zooms, nested zooms
- Add/delete color-coded data markers automatically or manually

## Data Table Features

- Configurable data display format
- Flexible configuration allowing any data parameters to be displayed in the table
- Export data to a text file
- Data tables may be copied and pasted into documents in other applications (e.g. Word, etc.)
- Add/delete/move columns
- Color coding of data values to indicate markers
- Sort data on any data parameter
- "Find" feature to locate data

## Ordering Information

| | |
|---|---|
| Product: | TDK GTEM Emissions Lab Software |
| Model Number: | EMI-GTEM-LAB |

**To place an order or to learn more about the TDK products that best meet your needs, contact your TDK sales representative:**

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