

# EMC Test-House Software

# EMC Compliance 3

- Emission and immunity in one integrated package
- Full 'user configurable' control of peripheral equipment
- Full support for most languages
- Test creation in simple to use graphical format
- Event sequencing for fully automatic testing

Your EMC test software should not dictate to you how your test should be run. Every product needs to be tested in very specific ways. Schaffner's new 'EMC Compliance 3'™ software, whilst possessing many pre-defined test sequences, is so flexible that you, "the user", can quickly and simply create any test script that you require.

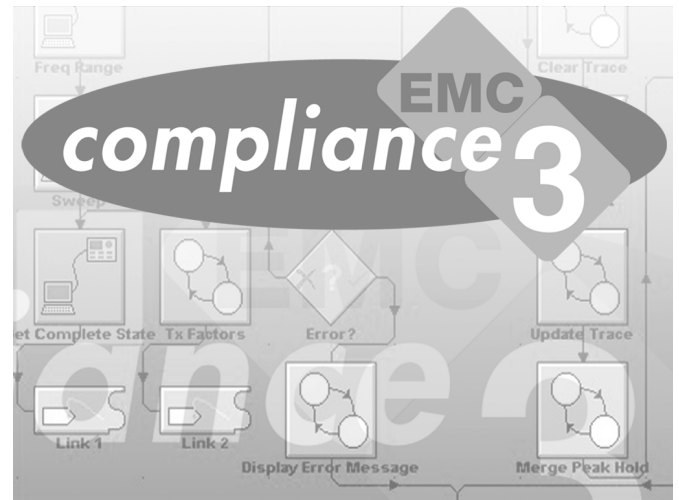
Previously, test software has been prescriptive, ie. the designers of the software, in their role as 'the EMC experts', have designed software to perform a series of fixed steps in order to produce either an emission scan or immunity plot. Occasionally, during this procedure, they may have included a step to monitor some additional equipment or switch an external function but, if your product could not be forced to fit into this regime, you would be forced to compromise your test.

The use of this new and creative approach has resulted in a software package that can be adapted to any test situation whether it is in the automotive, military, telecommunication or the more common commercial EMC environment. The flexibility of the system ensures that, whatever changes occur in standards and test procedures, the new requirements can always be incorporated into the procedures of the software.

Language need never again be a problem. In addition to the major languages such as Japanese, Mandarin, English, French and German, other languages can be readily incorporated into the software. A simple to use editor allows the user to translate a list of key words and messages into his own language. Each user can log onto the software and have the interface presented in their own individual language. At any time during the use of the software, the user can edit individual words or messages to customise the presentation for their own ideal use. Each time that user logs on the presentation will appear in his own format.

### Simple things are simple to do

Standard tests are included that can be run without complex configuration or set up procedures. The user can simply select from the pre-installed list of tests, insert details such as frequency range, number of peaks to be listed and other graphical conditions and run a test.

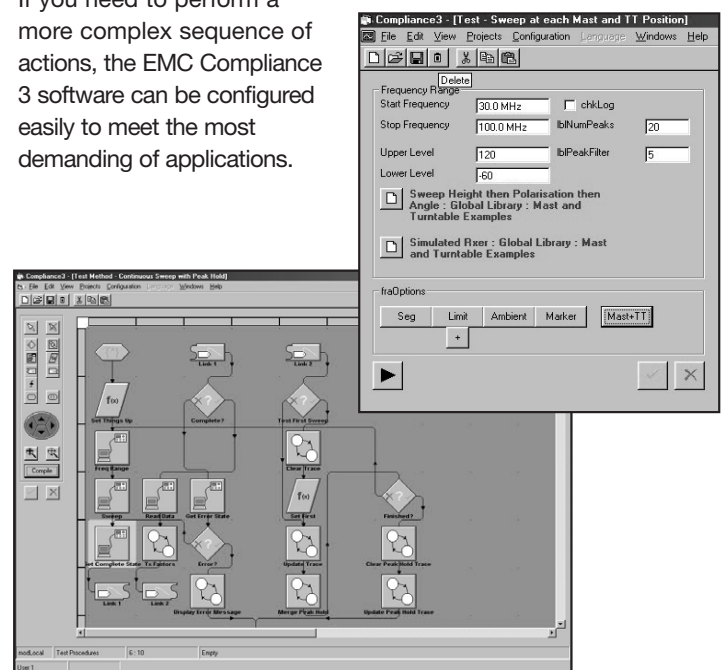


### Do it your Way

Complex sequences of events can be created by assembling either embedded routines or by building simple routines that can then be used as subroutines. In this way, any test can be performed including pauses for user intervention, loops and conditional tests. Full auto routing ensures that elements can be moved without losing the contextual sequence and this, combined with testing during compilation, ensures that all sequences are fully operational before saving.

### Flexibility is the Strength

If you need to perform a more complex sequence of actions, the EMC Compliance 3 software can be configured easily to meet the most demanding of applications.



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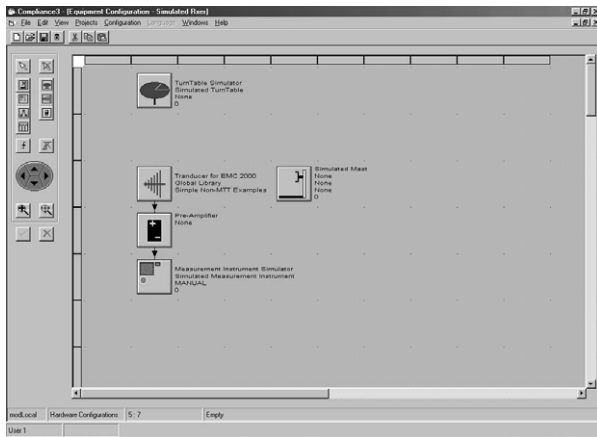
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## Worldwide Support OnLine

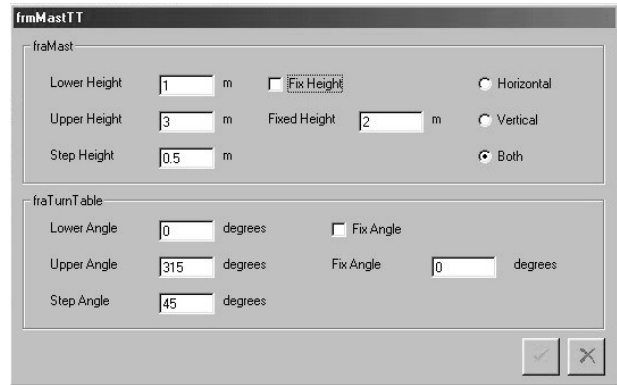
Schaffner EMC Systems operates a Software Support Web-Site providing first line support for Schaffner EMC Test Systems products. Information available on the site includes technical notes, frequently asked questions, software history on a per-product basis, software downloads, and application notes. The web-site is the first stop for self-help allowing users to resolve problems without contacting our support staff.

The new EMC Compliance 3™ software allows the user to define the sequence of the test from start to end, using a simple graphical flow chart approach. The user can build functional blocks such as the procedure to take measurement from a receiver or to control a mast or turntable and save these as custom subroutines. Other commonly used functions, such as updating the display or applying mathematical functions such as the GTEM algorithm, are already included in a user library. Building a master flow chart calling these functional blocks and adding other user definable elements can create more complex tests.

## Create your own Hardware Configuration

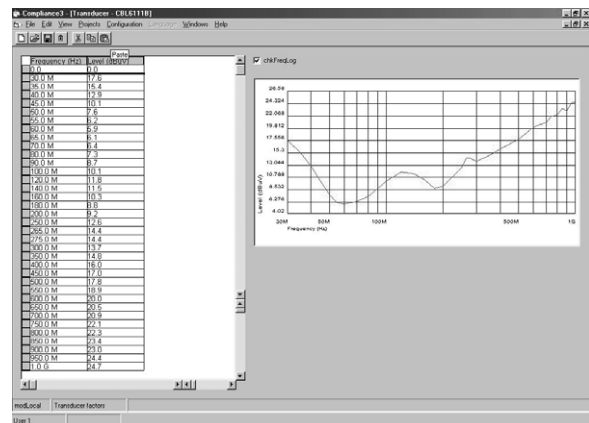


A simple 'drag and drop' graphical interface is used to build a representation of the hardware in use. Each item (including receiver, antenna, mast, turntable, switch, amplifier or attenuator) can be selected and fully described. Full auto routing links between items can be created to show the RF path.



Total control of the mast and turntable allows for any step size and ensures that the device is never directed to a point outside its normal operating range. Both the mast and turntable can be set to a fixed location and, additionally, the antenna polarity can be fixed or control given to the software.

Build your own Limit Lines and Transducer Factors  
Simple to use limit line and transducer factor editors allow the user to create new files quickly and easily. Viewed either in linear or logarithmic form, the continuously updated graphical display allows for checking of data as it is entered. Files previously created in earlier Schaffner EMC software packages can be imported to the new EMC Compliance 3 software via a simple to use translator module.



## Minimum Computer Configuration

- 500 MHz Pentium, Celeron or competitive processor,
- 64MB RAM (128Mb recommended)
- 50MB Hard Disk space for basic installation, 250MB including all Help files and Report Templates.
- CD ROM Drive
- XGA Graphics at 1024 x 768 resolution, 256 colours
- Mouse or compatible pointing device
- Microsoft Windows 98SE or ME, 2000 Professional or NT4 Workstation with SP6

One free PCI slot for GPIB card for desktop PCs, or one free PC card slot on portable PCs.

### GPIB cards supported

- National Instruments PCI-GPIB (recommended for desktop PC's)
- National Instruments AT-GPIB/TNT
- National Instruments PCMCIA-GPIB for laptop PC's