

New emcware for Automated EMC Testing



[emcware](#) [1] by AR RF/Microwave Instrumentation provides automated Electromagnetic Compatibility (EMC) testing and report generation . It makes testing quick, easy, and extremely accurate, and it's ideal for all types of users from corporate to professional test laboratories . This user-friendly software package features conducted immunity, radiated susceptibility and emissions tests . It automatically performs both calibration and immunity testing and is compliant for IEC-61000-4-3 radiated immunity and IEC-61000-4-6 conducted immunity, MIL STD 461/462, RS103, CS114, RE102, automotive standards, and RTCA/ DO160 Section 20 specifications .

Equipment Management

The Equipment List Manager is a built-in tool that allows equipment to be entered one time and then accessed from all tests . The Equipment Manager also keeps track of calibration dates and can warn the user when the calibration date of a specific piece of equipment is approaching .

EUT Monitoring

Now you can achieve complete EUT monitoring and control by using custom equipment (in conjunction with dynamic link library [dll's] files) or an NI DAQ card. It makes everything easier.

Instrument Drivers

An extensive equipment driver library is installed with the software . Drivers can also be created and imported by the user in the form of dynamic link library(dll's)files . The software can communicate with equipment through GPIB, RS-232 and USB remote interfaces .

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Signal Routing

Automatic signal routing can be implemented through the use of up to two AR RF/Microwave Instrumentation Model SC1000 System Controllers, enabling single-test bandwidth from 10 kHz - 18 GHz and beyond .

User Security Levels

Define equipment and test set-ups as a System Administrator, then change the security level to Restricted User to ensure secure testing .

Reports

Extensive report generation capability is built in, using Microsoft Word and Microsoft Excel .

Help File

Included with the software is a detailed help utility with tutorials and a searchable index .

The AR Brainlink® System

Together with the [SC1000](#) [2] System Controller, the [emcware](#) [1] forms the "Brain" of AR's innovative Brainlink System which controls and coordinates multiple components of complete test systems. With Brainlink, users can conduct a series of tests with the push of a single button.

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<http://www.wirelessdesignmag.com/product-releases/2012/08/new-emcware-automated-emc-testing>

Links:

[1] <http://www.arww-rfmicro.com/html/18200.asp?id=978>

[2] <http://www.arww-rfmicro.com/html/18200.asp?id=76>