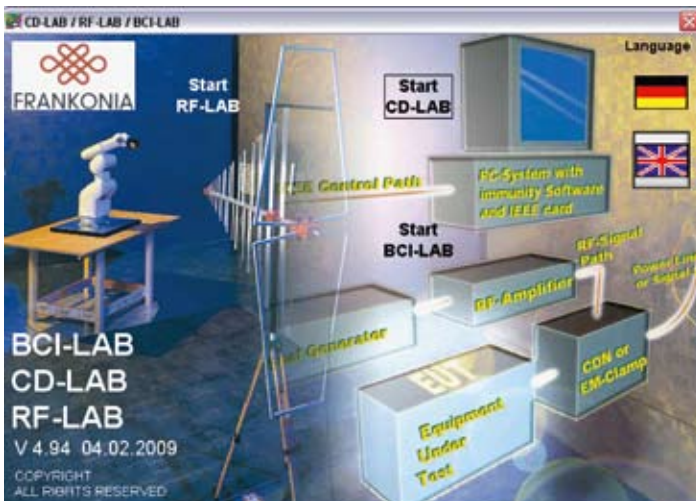# Control Software - CR-LAB

acc. to IEC/EN 61000-4-3/-6/-20, ISO 11452-4, automotive and military standards

Short description

The software CR-LAB consisting of RF/CD/BCI-LAB controls test systems for radiated, conducted or BCI immunity measurements. The system configuration is done in a graphical setup. Tests can be performed manually with optical monitoring of the EUT or fully-automatic by up to 4 measuring instruments. Calibration data and test results are presented in professional reports, which contain all necessary data. For radiated immunity measurements calibration data can be calculated from the field uniformity measurements or measured calibration runs. For BCI immunity measurements calibration can be performed using online controlmethod or calibrated clamp method. Each version of our software is a separate version and includes special features according to application.
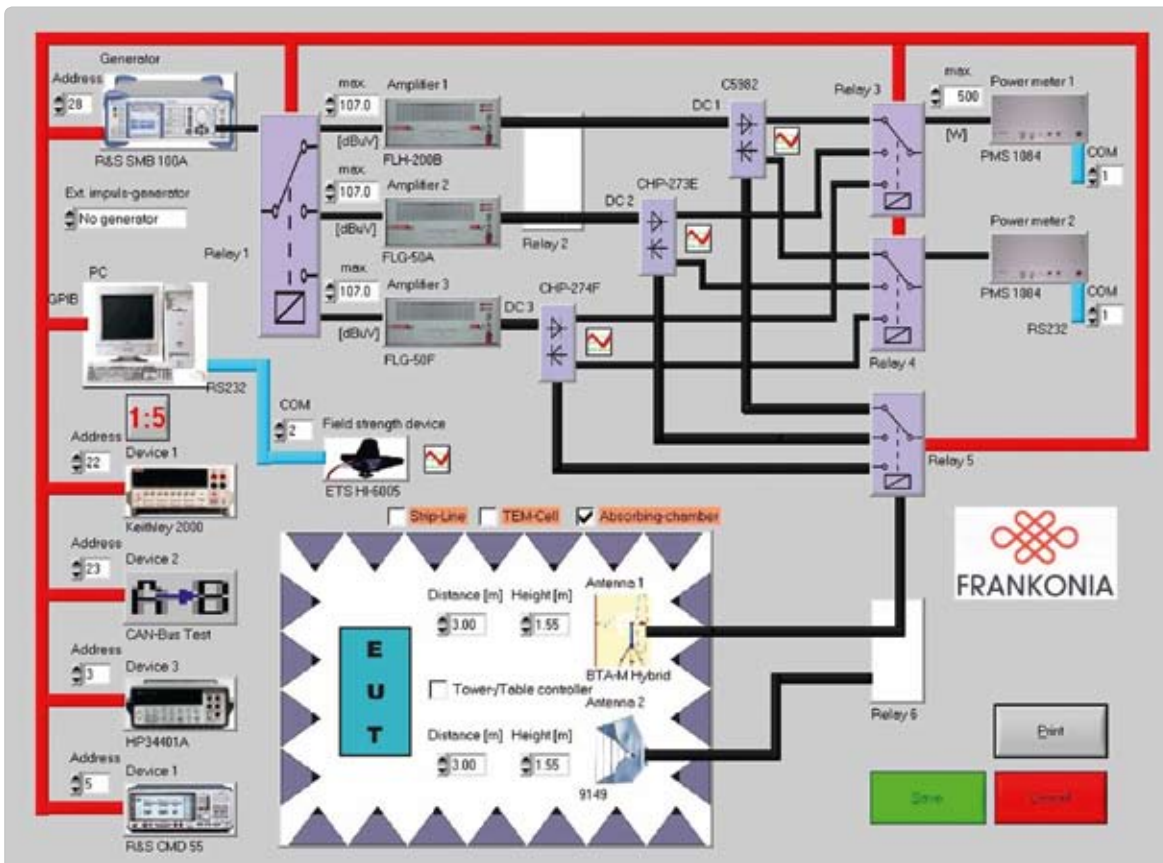
Special Features

- Online-help function
- Graphical device specification
- Input of calibration data for all devices
- Test function for system check
- Generation of calibration file for testing by calculation from homogeneous field data or measurement
- Saturation test of test system as requested by standard
- Testing by manual optical monitoring
- Allows detailed examination by manual increase /decrease of the applied test level during test (RF-LAB/CD-LAB)
- Testing by automatic monitoring / evaluation of EUR with up to 4 measuring instruments
- Measurement and evaluation of field uniformity
- Presentation of results in online graphics
- Professional reporting system
- Export function for files for further processing in Microsoft® Word, Microsoft® Excel,...
- German/English language switchable
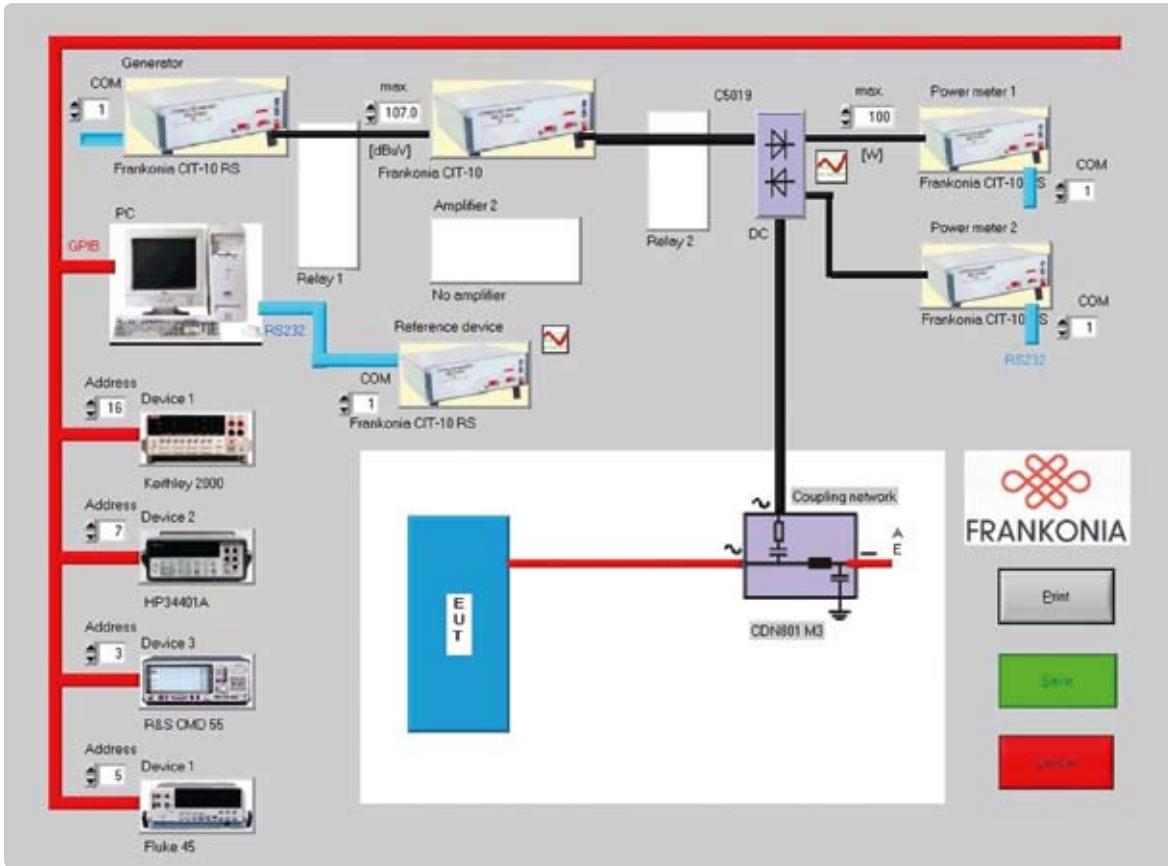- Customized modifications possible

Technical Data

- Microsoft® Windows-platform
- Requires standard PC
- Control of test system by IEEE-488 (GPIB)-BUS, RS232-bus and USB
- Recommended GPIB-interface card: National Instruments

Device selection in RF-LAB

Device selection in CD-LAB

Device selection in BCI-LAB