DARE!!

*For a safe and interference-free world*

RadiMation®

# Integral EMI/EMS Measurement software

*The leader in EMC testing software for more than 20 years*

*Modular • Flexible • Multi-band • Easy to use • Open • Traceable Results • Standardized • Backwards compatible*

The last generation of RadiMation® EMC Test software combines Immunity and Emission testing, conducted as well as radiated, plus Automated Pulsed Immunity testing (ESD, EFT/Burst, Surge and 'Voltage Dips and Interrupts') and an automated test report generator in one integrated package for use throughout the test facility. Instead of automating one single EMC test, RadiMation® allows the user to perform complete EUT (Equipment Under Test) testing. RadiMation® has been developed in close co-operation with recognized EMC test laboratories and has been optimized for use in EMC test facilities. The package is open to all brands of EMC test & measurement equipment, supporting all standards - like consumer, automotive, military, telecom, medical and aerospace - and test results can be easily exported. RadiMation® makes fully automated EMC testing a reality without getting complex.

## Multi-band

The latest generation of RadiMation® software includes multi-band test functionality, enabling the user to set and prioritize different parameters per frequency band. In this way it is possible to change the modulation before the frequency is changed, thus reducing the time needed for settling the power per frequency point. Apart from this all other parameters can be changed per defined frequency band, like EMI receiver settings, limit lines, antenna polarization/height, turntable angle and used equipment as well as the changing order per frequency band. The end result will be one test graph showing all combined results of the individual frequency bands. This functionality turns RadiMation® into the most powerful and flexible EMC test software package available in the market.

## High Speed

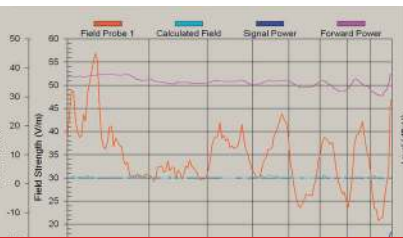
Executing EMC tests and measurements can be a time consuming activity. The RadiMation® package is optimized for speed. Test set-up files (TSF) can be made, stored and retrieved which speed up the day to day test work and reduce risks in making test errors.

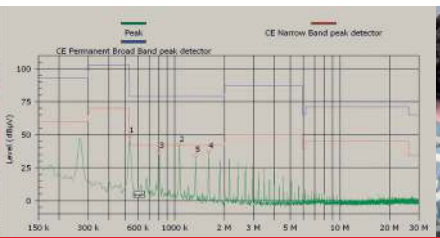
## Inuitive User Interface

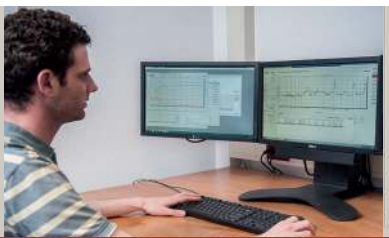
All test modules in RadiMation® have the same look and feel. An engineer that is familiar with one module is also directly up to speed with another test module. For each module all major test settings and information are displayed in one screen. This way the engineer has a clear overview of the test that will be performed and the settings the software will use. As RadiMation® is developed in a Windows® environment it will operate under all currently supported Windows® operating systems.

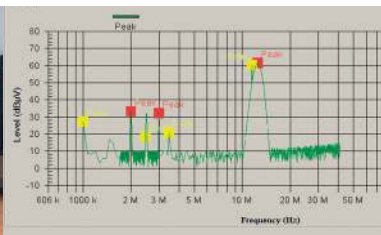
## Report Generation

As most data for a report is available in RadiMation® almost the complete report can be automatically generated. The test engineer only needs to write the remarks and the conclusion. All test data, pass / fail statements, graphs, used test equipment and EUT related data is transferred to standard word processors like Microsoft Word® or Microsoft Excel®. The appearance of reports, including company logo, can be entirely customised since it uses free format templates with keyword identifiers to represent test data.






DARE!! Instruments

**D**ijkstra **A**dvice, **R**esearch & **E**MC Instruments B.V.
Vijzelmolenlaan 7
3447 GX Woerden
The Netherlands

T: +31 348 416 592
M: instruments@dare.eu
W: www.dare.eu

*The Standard in EMC Instruments & Software, Consultancy and Training.*

# RadiMation®

## Checking Device Drivers

Currently over 4.500 instrument drivers are available, and more drivers are continuously added. All these drivers are included in the software package and new drivers are developed free of charge for all commercially available and supported EMC test equipment. Other equipment (non-EMC) or special device drivers can be developed on customer request. The RadiMation® software does not just send commands to the EMC instruments but, unlike other packages, checks whether the instrument processed the command in a proper way thus ensuring fault free testing. Apart from this, customer configurable device drivers are delivered for several type of instruments, to enable customers to control specific test- or EUT monitoring equipment.

## Modular

The modular approach allows a flexible and cost effective configuration of the software. The following modules are available:

- Radiated Immunity
- Conducted Immunity
- Pulsed Immunity (ESD, EFT, Surge and Voltage dips/interrupts)
- Radiated Emission
- Conducted Emission
- Automated Report Generator

## Supports all standards

RadiMation® supports all common EMC test standards in one single software package and even enables the user to define customer specific tests. Currently RadiMation® is in use worldwide at well recognized companies in the following fields:

- Automotive
- Telecom
- Medical
- Consumer Electronics
- CE marking
- Technical University
- Aerospace/Military
- Research & Engineering

## Open

The software is open in three ways. First and foremost the RadiMation® software can control all brands of EMC test equipment, as long as the device has a control interface like GPIB, RS-232, USB or LAN interface.
Secondly, data can be exported in between databases and/or to often used Microsoft® applications. In the third place the package is user configurable to a great extent and all functionality can be made available to everyone or limited on a number of levels. All these points provide the customer with freedom of choice.

## Modest System Requirements

The RadiMation® software will operate and is tested with the latest versions of Microsoft Windows® operating system. The PC only requires 1 GB free RAM, and a clock speed > 2 GHz.

## Supports the Engineer

EMC test engineers are highly educated and experienced people. From a motivational point of view as well as for cost reasons it is important to free the engineer from annoying tasks like: EUT monitoring, reporting, keeping track of measurement data and waiting time. RadiMation® provides functionality for all these tasks and thus reliefs the test engineer from this.

## Traceable Results, backwards compatible

RadiMation® is designed to comply with ISO17025. For quality control and error checking afterwards, it is mandatory that not only processed results, but also all 'raw' data is stored. In the event of a strange phenomenon, RadiMation® allows recalculation based on the 'raw' data. Before a test is started several checks are performed to ascertain the full operationally of the test set-up.

## Backwards compatible

RadiMation® software will continuously be improved and extended with new functionalities. These new versions are extensively tested before final release. Special care is taken to guarantee that old test data can still be opened and processed again, ensuring the protection of your valuable historic test data.

**For more information contact DARE!! Instruments at:**

T: +31 348 416 592 M: instruments@dare.eu W: www.dare.eu

RadiMation – Oktober 2017 – version 2.0 | Specifications are subjected to change without notice.

**D**ijkstra **A**dvice, **R**esearch & **E**MC Instruments B.V.
Vijzelmolenlaan 7
3447 GX Woerden
The Netherlands
T: +31 348 416 592
M: instruments@dare.eu
W: www.dare.eu

DARE!! Instruments