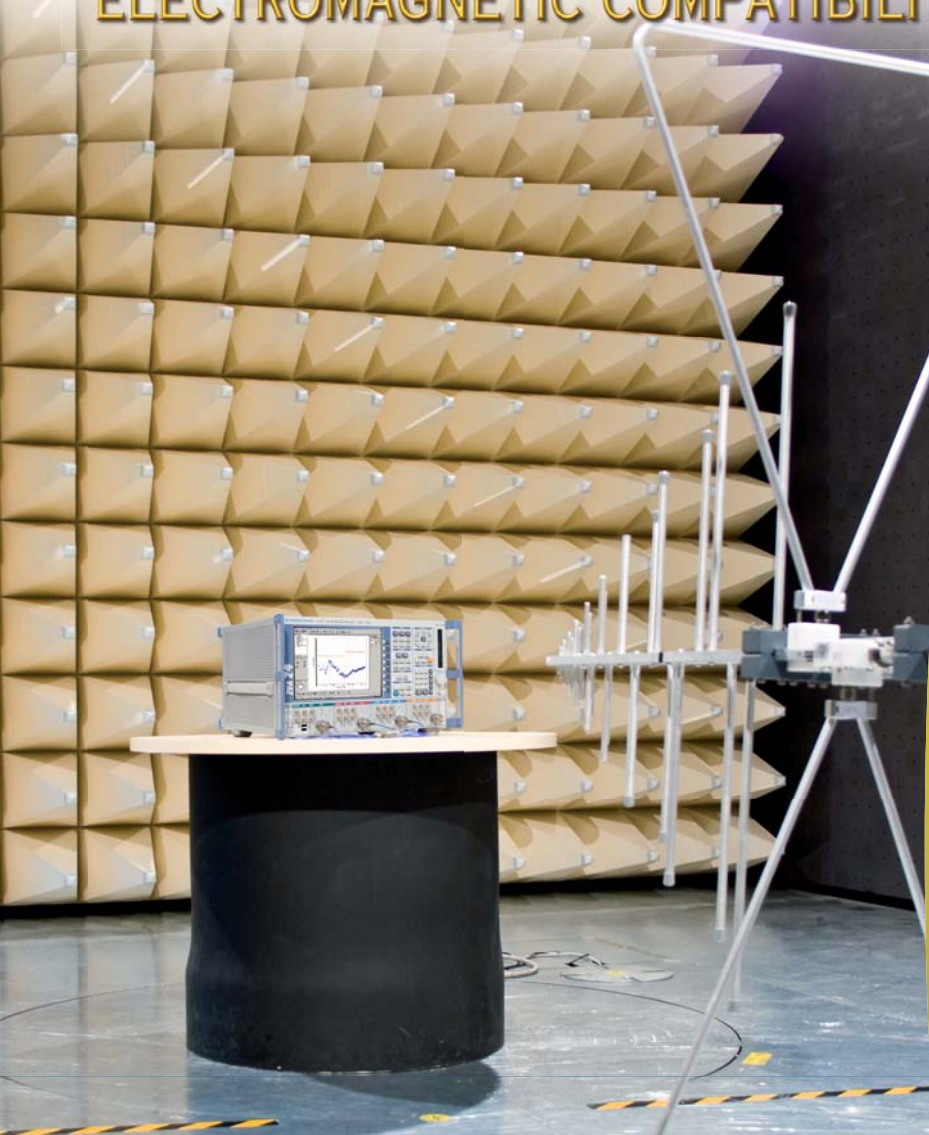


# LACE LABORATORY OF ELECTROMAGNETIC COMPATIBILITY



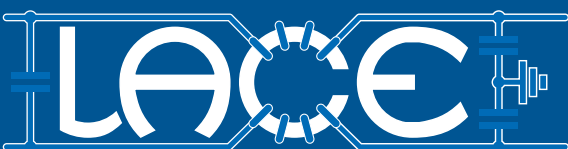
CEIA MIL-D1, THERMAL SHOCK TEST



INSTRUMENTS FOR MEASURING CONDUCTED AND RADIATED INTERFERENCE.

BELOW: MEASUREMENT OF RADIATED INTERFERENCE CARRIED OUT AT THE OPEN-AIR SITE

- Identification of the standards applicable for CE certification
- Fast and accurate E.M.C. measurement execution
- Technical assistance to resolve any non-conformities discovered
- Issue of Certificate or Technical Report as Notified Body in the E.M.C. directives



[www.emc-lace.com](http://www.emc-lace.com)



The 'LACE' Electromagnetic Compatibility Laboratory began measurement work in 1987, providing assistance in the manufacture of electronic instruments for the domestic and foreign markets.

Over the course of the years, the Laboratory's infrastructure and field of activity have expanded to cover the regulatory requirements in the area of electromagnetic compatibility and for CE certification.

- In 1994, CEIA was recognised as a Highly Qualified Laboratory by the Ministry of Universities and Technological and Scientific Research.
- In 1998, the LACE Laboratory obtained recognition as Competent Body in the field of Electromagnetic Compatibility from the Ministry of Communications.
- Since 2007, the LACE Laboratory has been recognised by the EU as Notified Body in the field of electromagnetic Compatibility (Notified Body number: 2046).

## THE 'LACE' LABORATORY'S WORK

Identification of the harmonised European standards applicable for electrical and electronic equipment and for CE certification.

### Execution of electromagnetic compatibility tests

The laboratory is fitted with measurement equipment and instrumentation at the very highest technological level. Immunity and emission tests are carried out in an Anechoic Chamber or at a special site in the open air.

In either case, the equipment being tested is provided with single- or three-phase power supply, compressed air and water to simulate normal operating conditions. The highly-qualified laboratory personnel carry out the measurements and check the conformity to the regulations of the samples under test.

### Technical assistance to resolve any non-conformities discovered

Measurement work is carried out in full co-operation with the equipment manufacturers, and includes competent technical assistance for quick resolution of any non-conformities that might be discovered.

### Test Report

Following the measurement work, the Laboratory issues a clearly-formulated Test Report (in the lingua requested by the customer) containing the description of the equipment examined, the list of the regulations applied, and graphs and tables showing the limits of acceptability and the values measured.

## MEASUREMENTS THAT CAN BE CARRIED OUT

'LACE' can carry out emission and immunity measurements within the following sectors:

- Industrial equipment
- Medical and scientific equipment
- Information technology equipment
- Electrical appliances and electrical equipment for household use
- Illumination equipment and fluorescent lights
- Instrumental surveys in external sites



INSTRUMENTS FOR ELECTROSTATIC DISCHARGE AND LINE INTERFERENCE IMMUNITY TEST



ELECTROSTATIC CHARGE SUSCEPTIBILITY TEST

Additionally, in the case of a successful outcome of the tests a declaration stating the conformity to the applicable law is provided.

### Issue of Certificate or Technical Report

For equipment to which the harmonised regulations are not applicable, the EMC Directive provides for the preparation of Technical Construction Documentation which has to contain a Technical Report or a statement of conformity to the applicable regulations issued by a Notified Body.

'LACE', as a Notified Body, can carry out analysis of the equipment and issue the Certificate or Technical Report required for a declaration of conformity to the EMC Directives.



Sez. LACE - Laboratory of Electromagnetic Compatibility

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