



Fast time to market for new products

EMC Testing



- NAMAS accredited test facility
- Indoor and outdoor test sites
- Helpful advice and consultancy
- CE compliance testing

More Than Just a Test House

Having carried out many hundreds of EMC product certification tests, we at IFR have the necessary experience and expertise to give you the test support you need.

But testing is only a part of the service we offer. Our consultant engineers will work with you to determine the reasons for any noncompliance and implement remedial actions to save you the time and frustration associated with a failure - an important factor when time to market issues are critical.

Cost Saving Service

Our competitively priced packages range from short pre-compliance tests offering quick testing at a minimum cost through to full NAMAS approved testing with free certification.

Details of results are provided with each package and a more comprehensive report covering full details of the tests and the results is offered as an optional part of the package.

Test Capability

A pass certificate from IFR is all you need to validate your CE marking for EMC.

Our NAMAS accredited EMC test capability (laboratory number 1215) offers you indoor and outdoor test sites capable of handling a full range of tests on electrical and electronic equipment to the requirements of EN 50081-1, EN 50082-1,

EN 55011, EN 55014, EN 55022 and EN 60555-2.

Responsive, Personal Service

We recognize that EMC testing is vital to your product development and, depending on our workload, we can usually arrange for testing to start within a few days of your initial enquiry.

Our EMC test manager will discuss your requirements with you and offer friendly advice on test procedures and expert practical guidance on EMC related techniques such as grounding, shielding, etc.

Over 60 Years Experience

Our 60 years experience in designing and testing electronic equipment to meet national and international standards is available to you at no extra charge when you use our EMC testing service.

EMC Test Capabilities

EMC Emissions

Conducted Emission

9 kHz to 30 MHz
AC Supplies to 13 A/250 V
DC Supplies to ± 250 V

Absorption Clamp

30 MHz to 1 GHz

Magnetic Field Strength

9 kHz to 30 MHz

Open Area Test Site

30 MHz to 1 GHz
3 m and 10 m site

AC Harmonics

Current to 6 A
Harmonics to 2 kHz

EMC Immunity

RF Susceptibility

GTEM Cell (1 MHz to 1 GHz)

Electrostatic Discharge

Up to ± 17 kV air discharge
Up to ± 8 kV direct discharge

Fast Burst Transient

Pulse with 5 ns rise time, 50 ns duration between ± 0.25 and ± 4 kV
Capacitive clamp and ground plane

Combination Wave Surge

Pulse with 1.2 ms rise time, 50 ms duration, 0 - 6 kV open circuit voltage.
Pulse with 8 ms rise time, 20 ms duration, 0 - 3 kA short circuit current.

EMC Testing



IFR Americas, Inc., 10200 West York Street, Wichita, Kansas
67215-8999, USA. E-mail: info@ifrsys.com
Tel: +1 316 522 4981 Toll Free USA: 1 800 835 2352 Fax: +1 316 522 1360

IFR Ltd, Longacres House, Norton Green Road, Stevenage, Herts
SG1 2BA, United Kingdom. E-mail: info@ifrinternational.co.uk
Tel: +44 (0) 1438 742200 Freephone UK: 0800 282 388 Fax: +44 (0) 1438 727601

As we are always seeking to improve our products, the information in this document gives only a general indication of the product capacity, performance and suitability, none of which shall form part of any contract. We reserve the right to make design changes without notice. All trademarks are acknowledged. Parent Company IFR Systems, Inc. © IFR Ltd. 1999.

