



EMC Testing



Cert No. FS647



Calibration 0006

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

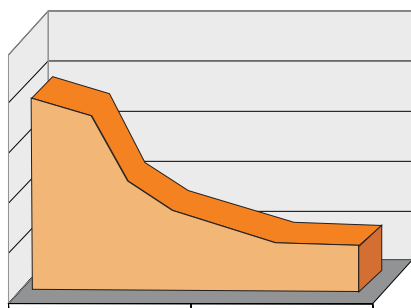
- RF Susceptibility
GTEM Cell (1 MHz to 1 GHz)
- Electrostatic Discharge
Up to ± 17 kV air discharge
Up to ± 8 kV contact discharge
- Fast Burst Transient
Pulse with 5 ns rise time, 50 ns duration between ± 0.25 and ± 4 kV
Capacitive clamp and ground plane
- Combination Wave Surge
Pulse with 1.2 ms rise 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.

A complete EMC test and certification capability

Products sold in Europe must carry the CE mark to show compliance with European Community directives. Electrical products must comply with the EMC directive.

The EMC testing required to demonstrate this is time consuming and can dramatically increase the time to market.

IFR will work with you to complete the testing and keep times to a minimum. As a major manufacturer ourselves we can offer the advice and technical assistance needed to ensure compliance.



Time to market

IFR's EMC testing service can yield significant reductions in time to market.

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 non-compliance 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 55022 and EN 60555-2.

Responsive, personal service

We recognise 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.

Call us today to find out how IFR can help you.

Tel: +44 (0) 1438 742200 Fax: +44 (0) 1438 772038

e-mail: serviceuk@ifrinternational.co.uk

