



## DOES MY PRODUCT NEED EMC TESTING



### WHAT IS EMC TESTING

Electromagnetic Compatibility (EMC) is the branch of electrical engineering concerned with the unintentional generation, propagation and reception of electromagnetic energy which may cause unwanted effects such as electromagnetic interference (EMI) or even physical damage in operational equipment.

**LabTest Certification Inc.** will evaluate your products for electromagnetic compatibility (EMC) compliance through our network and laboratories around the world.

No matter where your manufacturing operations are located. **LabTest Cert** will be able to provide you with the services to meet the needs of your succeed business.

### DOES MY PRODUCT NEED EMC TESTING

Any products with a clock, oscillator, or processor operating at frequencies of 9 kHz or higher will need EMC Testing. EMC requirements differ from country to country. Each global economy (country) has set-out requirements to comply with their national Telecommunication Regulatory Body.

#### North America

In North America, products will need to comply with the regulatory requirements of FCC (Federal Communications Committee) and IC (Industry Canada), who only require Emissions testing.

#### European Union

In the European Union, both Emissions and Immunity testing are required. Products that are liable to generate electromagnetic disturbance or the performance of which is liable to be affected by such disturbance shall comply with the EMC and Radio Equipment Directives.

#### Other Countries

Other countries also require both Emissions and Immunity testing.

**LabTest Cert.** will assist you with identifying the requirements your product needs to comply with and the applicable standards.

Our EMC test engineers have over 20 years of real world testing expericne of a wide range of products such as:

- Drills
- Hair dryers;
- Video systems;
- Medical devices;
- Fuel cell systems;
- WiFi modules;
- Hearing aids;
- Satellite systems used on aircrafts;
- Navigational systems used in nuclear submarines.

We will review your product and test it or, if outside of our scope of accreditations, we will look into having one of our partner labs assist.

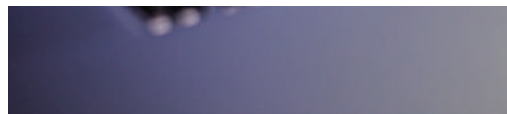
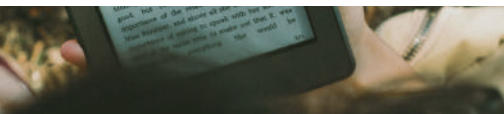


Cost effective and Quick turnaround time

Your Partner In Testing and Certification



## FULL PRODUCT RADIATED PRESCANS IN LESS THAN 2 HOURS



### WHO IS LABTEST

LabTest Certification Inc. is a fully accredited under ISO 17025 Test Lab:

- Emission testing, up to 40 GHz;
- Semi anechoic chambers for radiated emissions testing;
- Immunity testing, up to 18 GHz and 30 V/m;
- Full anechoic radiated-immunity chamber;
- 600 VAC, 3 phase, 100 amp DC/AC mains capabilities;
- Special equipment for Transients testing;
- Special equipment for radio testing;
- 30kV ESD Simulator with variety networks.

LabTest Cert has been assessed and recognized by the IECEE CB Scheme as a National Certification Body (NCB) and Testing Laboratory (CBTL).

### WHAT CAN LABTEST DO FOR ME

We will provide you with complete EMC testing services:

- Fast and accurate Emission tests;
- Effective Immunity tests;
- Preliminary and final testing in lab or in-situ;
- Product design review for EMC compliance evaluation;
- Over 20 years of real world testing experience in wide range of products.

### APPROVAL TYPE

#### Global Type Approvals Covered by LabTest Certification:

- ICES, CAB # CA5970
- FCC, CAB # 721268
- CE for EMC, RED, MED
- KC, Korea
- VCCI & MIC, Japan
- BSMI, Taiwan
- C-Tick/RCM, Australia
- RCM & R-NZ, New Zealand
- GCC, Gulf countries.

#### Common EMC Standards

- FCC Part 15
- FCC Part 18
- RSS 210
- ICES 003
- CISPR 22
- CISPR 24
- CISPR 32
- CISPR 16
- CISPR 11
- CISPR 15
- IEC/EN 61000 series
- FDA, IEC 60601-1-2, edition 3.0 & 4.0
- DNV, DNVGL-CG-0339
- MIL-STD-461
- DO-160
- Bellcore (NEBS), GR-1089-CORE
- ISO 7637-2
- SAE j1113.

See the complete and full list of our accreditations on our website.



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