

accredited testing laboratory

electromagnetic compatibility
EMC



what immunity tests do we conduct?



electrostatic discharges
(ESD)



conducted and radiated
disturbances induced by radio
frequencies



series of electrical fast transient
burst (BURST)



surges (SURGE)






variations in power supply
voltage (PQT)

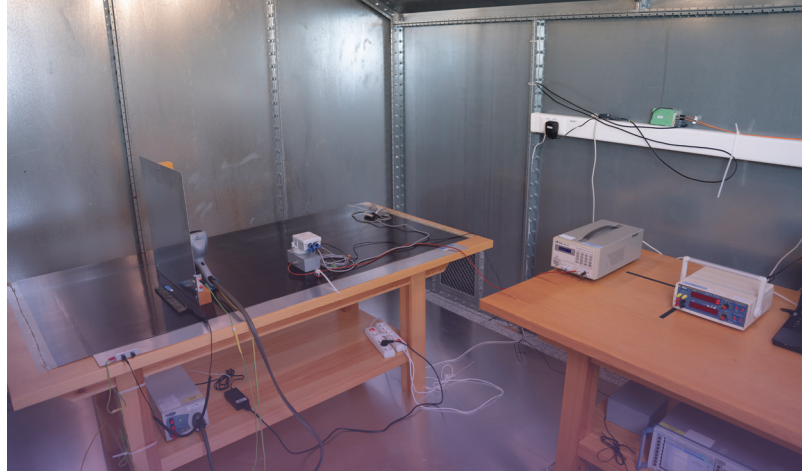
what emission tests do we perform?



conducted and radiated disturbance
emissions

Introducing any product containing electronics, to both the domestic and international markets, requires conducting appropriate electromagnetic compatibility testing. We will conduct tests on your products.

-  attractive lead time
-  competitive prices
-  high quality services



At the early stage of creating an offer, we provide our knowledge and experience in the selection of EMC tests required for a given type of object.



A positive result of tests carried out in our laboratory is a confirmation of product conformity with the requirements of reference standards and may be the basis to apply for CE marking of the product.



Compliance with EU directives is a prerequisite for marketing the product in the markets of the European Economic Area.



Introduction of any product containing electronics to the domestic and foreign markets cannot do without proper electromagnetic compatibility testing.

| tested devices | types of tests | reference |
|--|--|---|
| electrical and electronic products and equipment | immunity to voltage dips, short interruptions and voltage variations range: from 0% UT to 100% UT input current up to 16 A per phase | EN 61000-4-11 EN 55014-2 |
| machinery and devices | immunity to voltage dips, short interruptions and voltage variations on d.c. input power | EN 61000-4-29 |
| medical equipment | port range: from 0% UT to 120% UT input current up to 16 A | EN 55014-2 |
| toys | immunity to electrical fast transient/burst range: from 0.20 kV to 4.0 kV | EN 61000-4-4 EN 55014-2 |
| telecommunication products and equipment | immunity to radiated, radiofrequency, electromagnetic field range: from 26 MHz to 6000 MHz (GTEM) | EN 61000-4-3 EN 61000-4-20 EN 55014-2 |
| household appliances | immunity to conducted disturbances, induced by radiofrequency fields range: from 0.15 MHz to 230 MHz | EN 61000-4-6 EN 55014-2 |
| | immunity to electrostatic discharge range: from 2 kV to 30 kV | EN 61000-4-2 EN 55014-2 |
| | surge immunity range: from 0.5 kV to 4.0 kV | EN 61000-4-5 EN 55014-2 |
| | emission of radiated disturbances range: from 30 MHz to 3000 MHz (GTEM) | EN 55011 EN 55032 EN 61000-4-20 EN 55014-1 EN 55016-2-3 |
| | emission of conducted disturbances range: from 9 kHz to 30 MHz | EN 55011 EN 55032 EN 55014-1 EN 55016-2-1 |

Scope of Accreditation of AB 1765 is available on website: lab.plum.pl/en/emc-lab/



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