

PRODUCT TYPE TESTING AND APPROVALS MANAGEMENT

Comprehensive testing for compliance, reliability and product safety

EKTOS TRS PROVIDES



Accredited and non-accredited testing



Two well-equipped ISO 17025 accredited typetest laboratories



Globally accepted accredited test reports



CE marking and marine approvals



Approvals for EU, North America, Japan and 80+ countries



Short lead times and competitive prices

ACCREDITED TESTING

EMC EMISSION

- RF radiated emission
- RF conducted emission
- Harmonics & flicker

CLIMATIC TESTING

- Temperature and humidity
- Thermal shock
- Ingress protection (IP)
- Salt mist

VIBRATION TESTING

- Vibration: sine, random, SoR, RoR
- Shock: half sine, trapezoidal, SRS
- Frequency 2-2.000 Hz
- Level up to 100 gpeak
- Max. load size: 80x80 cm, 300 kg

EMC IMMUNITY

- RF radiated up to 30 V/m
- RF conducted up to 15 VRMS
- Slow transients (surge) up to 6.6 kV
- Fast transients (burst) up to 4.4 kV
- Magnetic field up to 440 A/m
- Electro-static discharge up to 15/8 kV
- ISO pulses for automotive and agro

RADIO TESTING

- Short Range Devices (SRD)
- Bluetooth
- Wifi
- GSM/LTE

MECHANICAL TESTING

- Drop test
- Impact test
- Push and pull test
- Pressure test

NON-ACCREDITED TESTING

SAFETY AND ELECTRICAL TESTING

- High voltage
 - Up to 5 kV AC & 6 kV DC
- Earth continuity: up to 36 A
- Encapsulating strength
- Insulation resistance: 0 to 1.000 MOhm
- IK testing
- Duration testing of electronics
- Power cycling
- Excessive voltages/currents
- Battery testing

HALT & HASS

- Vibration type: omni-axial broadband
- Vibration level: up to 70 g (load dep.)
- Max. load size: 90x90x90 cm, 200 kg
- Temperature range: -100 °C to +200 °C
- Thermal cycling: up to 120 °C/min

3RD PARTY CERTIFICATION

Support of product certification by notified bodies and third-party agencies



TESTIMONIALS

“ At EKTOS, they are truly competent. You always get a quick response, and they keep things straightforward. Unlike some other test labs, EKTOS keeps the process refreshingly simple. Their flexibility and efficiency make them stand out, and we couldn't be more pleased with their service.”

Ulrik Lundberg, Managing Director -
Neat Electronics

neat

“ EKTOS has been an exceptional certification partner, blending expertise in the latest standards with deep technical knowledge. Their support not only streamlined our certification process but also offered invaluable feedback that made Airtime 2 a better product.”

Attila Sukosd, CTO and Co-founder
- Airtime

≈ AIRTIME

INDUSTRIES

- Agriculture & Food
- Medico
- Drone & Robotics
- HVAC
- Energy
- Audio
- Industrial controls
- LED
- IoT
- Defence
- Building automation
- Marine & Transportation

ACCREDITATIONS & CERTIFICATIONS



PARTNERS AND COMMUNITIES



ABOUT EKTOS TRS

Founded in 2007, EKTOS TRS (Testing & Reliability Services) employs 10 test engineers and specialists. It operates two test laboratories: Hvidovre, established in 2017 after relocating from Copenhagen (formerly Nokia test lab), and Struer, established in 2018 (former B&O test lab).

CONTACT US

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