

Kiwa Electrical Compliance

Wi-Fi Testing



Kiwa Electrical Compliance perform Wi-Fi / WLAN testing for products which are used for worldwide market approval on products using WLAN technology.

Kiwa Electrical Compliance is a UKAS accredited wireless testing laboratory no. 2360.

In an ever-growing market of electronic devices using different wireless technologies to function, we can assist you in your product compliance requirements; performing various testing scenarios that are necessary to help you meet regulatory requirements, for certification of the device for market launch.

We also offer a variety of international certification regimes based on various test specifications and standards.

Wi-Fi Testing Capability

- 6 GHz wideband Tx/Rx tri-band Wi-Fi / WLAN testing (EN 303 687)
- 5 GHz wideband Tx/Rx dual & tri band Wi-Fi / WLAN Testing including DFS Radar (EN 301 893)
- 2.4 GHz wideband Tx/Rx dual & tri band Wi-Fi / WLAN testing (EN 300 328)
- Broadband Wireless EMC Testing (EN 301 489-17)
- Wi-Fi Testing for worldwide markets
- FCC & ISED certification
- Radio Equipment Directive / Regulations Testing
- E-marking of wireless devices
- Product Pre-Compliance Testing



Global Market Access

Through our knowledge and associations, we have obtained certifications for products across the world. We are continually monitoring developments within global regulatory domains, and our laboratory is familiar with the latest updates to guide you through the test and certification requirements.

We assist with specific approval requirements for radio and EMC with different national bodies, local representation, and in-country testing. Ensuring you conform to certification regimes, local standards, limit values and specifications that must be used for the test process for WLAN modules.

When implementing a Wireless Local Area Network (WLAN) module, the manufacturer decides in which frequency bands the module should operate on 2.4 GHz, 5 GHz and / or 6 GHz (Wi-Fi 6E).

A full list of our services can be found on our website www.kiwa.co.uk

All products with integrated radio and wireless technology must be tested and certified to ensure safe and effective use of the radio spectrum. Our experienced radio test engineers offer comprehensive radio testing and certification to help you successfully navigate the complexities of wireless compliance and bring your wireless devices to market quickly and cost-effectively.



When implementing a Wireless Local Area Network (WLAN) module, the manufacturer decides in which frequency bands the module should operate on 2.4 GHz, 5 GHz and / or 6 GHz (Wi-Fi 6E).

We can also provide advice for manufacturers wishing to use pre-approved radio modules in their products as well as radio performance evaluation, antenna characterisation and spectrum investigations.

E-marking of Wireless Devices

Kiwa Electrical Compliance is an approved Technical Service for the Vehicle Certification Agency (VCA). We perform UNECE Regulation 10 'E-Mark' testing for electrical / electronic sub-assemblies (ESA's) and components, as well as devices intended for after-market fitment.

Kiwa Electrical Compliance will submit all test reports/technical documentation to the VCA. Subject to a satisfactory review of the submitted documents and a quality assessment to assure the Conformity of Production (CoP) the VCA issues a type approval certificate.

The 'E mark' approval number can be affixed on the product after receiving the approval documentation from the VCA, via Kiwa Electrical Compliance.

Testimonials

"Thank you for the whole team's effort. We are really impressed with how comprehensive and professional the work was and look forward to working with you in the future".

"Thank you so much for your hospitality last week. I had a great week getting to know you all and I'm sure I'll be back down soon enough. Please pass on my thanks to the engineers for all their help".

"Had the pleasure of being here for 2 days, staff are very knowledgeable and friendly".



Visit www.kiwa.co.uk to understand more about our comprehensive range of services, call +44 (0)1277 352219 / (0)1495 229219 or email uk.electrical@kiwa.com