



Your Key to Global Market Access

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TÜVRheinland[®]
Precisely Right.

Wireless Certification

Since 1872, TÜVRheinland® has been a world leader in compliance and testing, guaranteeing customer satisfaction with its expertise, attention to detail and quick and efficient performance. In addition to its strong product safety testing services, TÜVRheinland® offers wireless certification solutions — just one more way to help you gain access to the world.

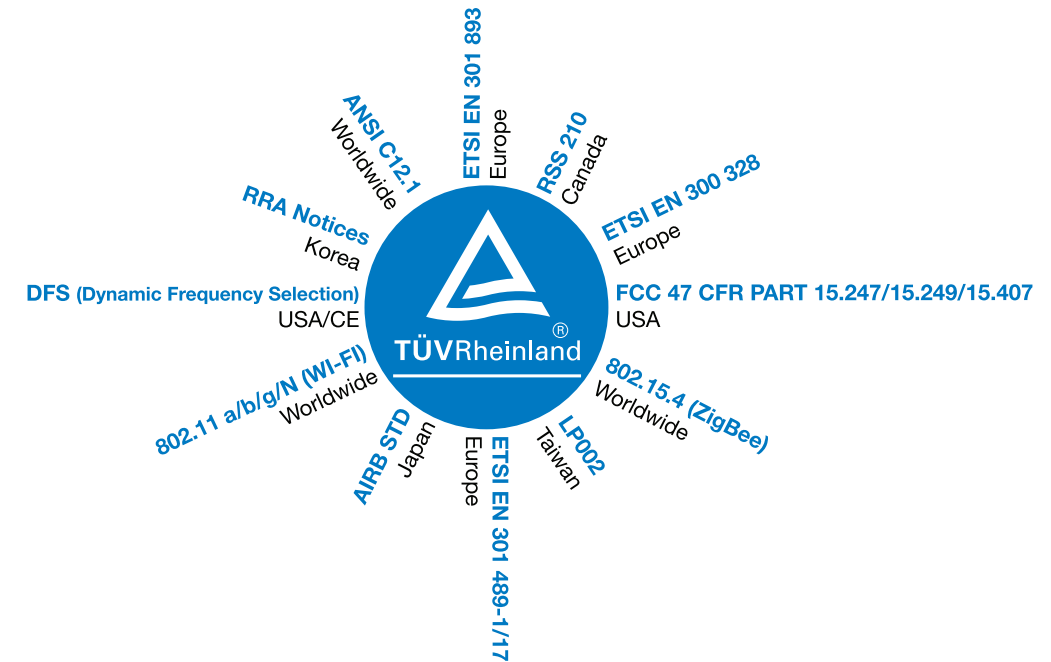


Wireless Standards Supported

TÜVRheinland® is the focal point providing wireless certification to the world.



TÜVRheinland® Wireless Testing & Certifications



TÜVRheinland® is accredited to provide testing and certification solutions for ZigBee® PRO and Smart Energy

With a global network of labs conveniently located from coast-to-coast in the U.S. and throughout Europe, TÜVRheinland® can test to ZigBee® PRO standards as defined by the ZigBee® Alliance and its variations as defined in the Manufacturers' Specific profiles. ZigBee® Smart Energy testing extends to all clusters that include Demand Response and Load Control, Pricing, Messaging and Smart Meters.



As part of the Wi-Fi™ Alliance, TÜV Rheinland Group is one of only 13 independent laboratories worldwide accredited to perform certification testing for Wi-Fi™ Alliance members.



The exploding market for telecommunications products since 1934 has created technological advances that no one could have imagined. However, by upgrading its testing labs across the nation, TÜVRheinland® has met and continues to meet the demand by industry leaders worldwide for electromagnetic compatibility tests — including ZigBee® and Wi-Fi®.

TUV Rheinland of North America is a FCC-approved Telecommunication Certification Body (TCB). This program extends from the heart of Silicon Valley to Japan, Taiwan, and China. This service capability contributes to the list of many reasons that make TÜVRheinland® a one-stop testing and certification lab for wireless devices. Clients can now benefit from a quick certification process.

TÜVRheinland® provides:

- Extensive experience in telecommunications testing and certification, including both wireline and wireless technologies.
- As a Telecommunication Certification Body (TCB) & Industry Canada (IC) as Foreign Certification Body (FCB), TÜVRheinland® can provide both testing and certification in a single process.

- Experienced and highly-trained engineers.
- Technical guidance: its global experience and knowledge far surpasses its competitors. TÜV Rheinland Group can assess a product and ensure it is ready to market in countries around the world by applying specific testing and local documentation requirements.
- Full portfolio of testing to many standards — single source for multiple certification including Wi-Fi®, Regulatory and special interest groups such as ZigBee® and Wi-Fi®.

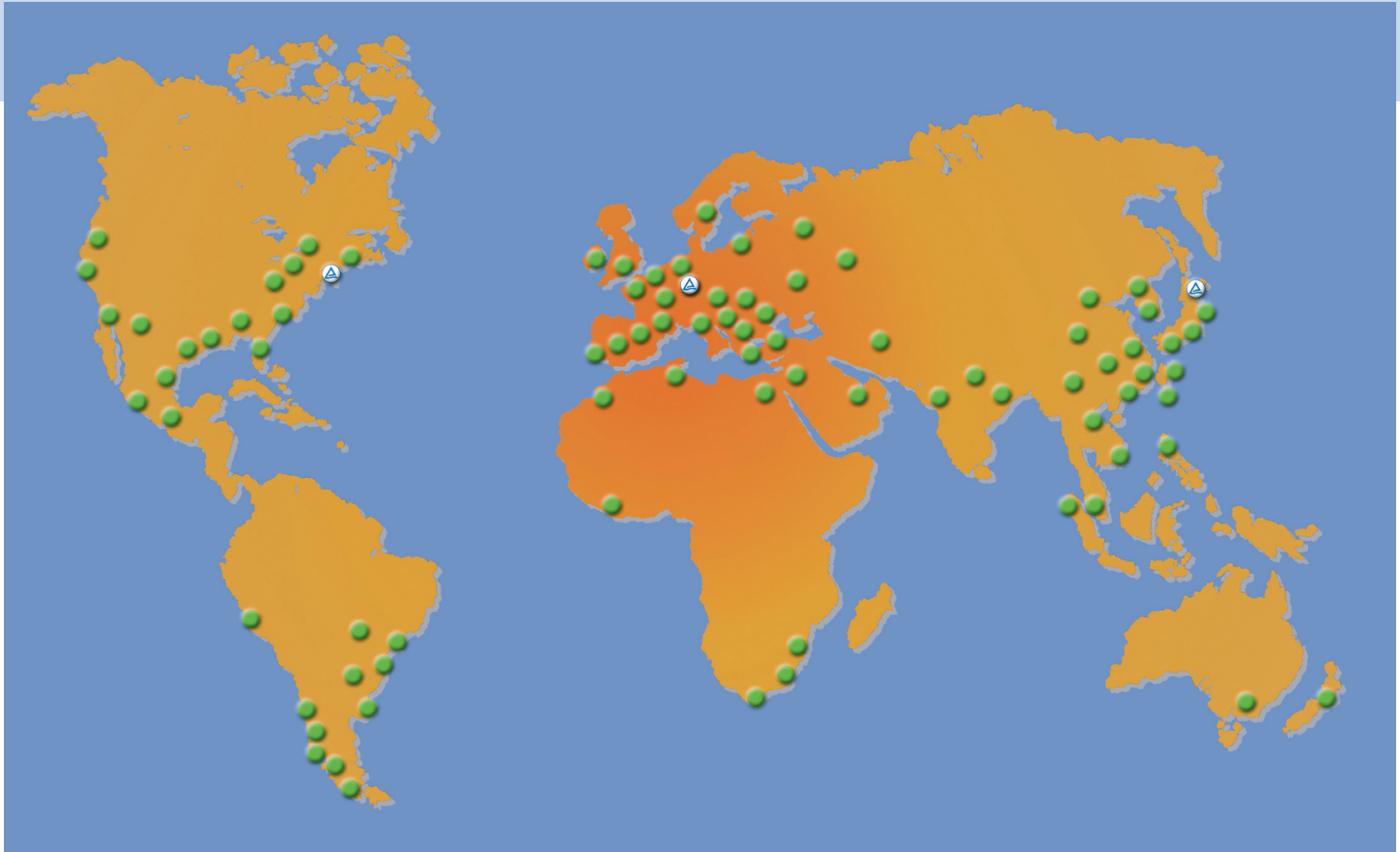
At TÜVRheinland®, customers are more than just clients – they are partners. By working together, long-term strategic relationships flourish.



STANDARD	COUNTRY	DESCRIPTION
FCC 47 CFR Part 15.247/15.249/15.407	USA	Low Power License Exempt Radio Communication Device
RSS 210	Canada	Low Power License Exempt Radio Communication Device (All Bands)
ANSI C12.1	Worldwide	General Meter Testing Requirements
ETSI EN 300 328	Europe	Electromagnetic compatibility and Radio Spectrum Matters (ERM); Wideband transmission systems; Data transmission equipment operating in the 2.4 GHz ISM band and using wide band modulation techniques; Harmonized EN covering essential requirements under article 3.2 of the R&TTE Directive
ETSI EN 301-893	Europe	Broadband Radio Access Networks (BRAN); 5 GHz high performance RLAN; Harmonized EN covering essential requirements of article 3.2 of the R&TTE Directive
ETSI EN 301 489-1/17	Europe	Electromagnetic compatibility and Radio Spectrum Matters (ERM); ElectroMagnetic Compatibility (EMC) standard for radio equipment and services; Part 1: Common technical requirements; Part 17: Specific conditions for 2.4 GHz wideband transmission systems and 5 GHz high performance RLAN equipment
Dynamic Frequency Selection (DFS)	USA	FCC (Subpart E) Part 15.407/ ETSI EN 301 893
AIRB STD 66	Japan	Second generation low-power data communication system/wireless LAN system
AIRB STD 67	Japan	Telemeter, telecontrol and data transmission radio equipment for specified low-power radio station
RRA Notices	Korea	Technical requirements for radio equipment
LP002	Taiwan	Low-power radio-frequency devices technical regulations
802.11 a/b/g/N	Worldwide	General purpose Wi-Fi™ Alliance standards
802.15.4 (ZigBee®)	Worldwide	General purpose ZigBee® Alliance standards

With Over 490 Locations in 61 Countries

We can help get your products to market quicker



TÜVRheinland®

Precisely Right.

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TÜVRheinland® is the world leader in independent testing and assessment services. The \$1.5 billion corporation is comprised of an international network of 13,300 employees at over 490 locations in 61 countries and serves most industry sectors and markets worldwide. With North American headquarters in Newtown, Conn., TÜVRheinland® has additional offices throughout North America.

United States

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