

# 无线充电测试认证 Qi COMPLIANCE TEST



## 无线充电测试认证，充电新潮流的品质保障

市场上各类品牌通讯设备层出不穷，使用不同种类的适配器和充电器为日常生活带来诸多不便。传统适配器和充电器需配置电线、插头等各类配件，这也给环境的可持续发展带来一定压力。此外，智能手机和移动设备由于耗电量大，所以即便在室外也需要频繁地为其充电。充电场所的限制已成为信息时代亟待解决的一个问题。

新研发的无线充电技术可望成为移动电源的新来源。为了迎合这一科技趋势，德国莱茵 TÜV 开设了全球第一家由无线充电联盟 WPC 认可的第三方 Qi 设备检测实验室，为您提供安全性和绿色环保检测服务。

带有 Qi 标识的电子产品表明其具有兼容性和互通性的特征。使用者无需因为品牌的不同而担心适配器和充电器不兼容的问题。这项技术创新引领了一种既便利又绿色环保的充电新潮流。

Qi 产品适用于全球不同国家和地区（例如：美国、日本、欧盟与大中华区等）。选择德国莱茵 TÜV 作为您的合作伙伴，您可获得充电设备与移动产品的安全性、兼容性保障，更可以赢得市场竞争优势。

## Qi compliance testing: a quality guarantee for new charging technology

With more electronic brands emerging, mobile life is becoming complicated through dealing with the different adaptors and chargers. Because smart phones and other mobile devices are large power consumers, people frequently need to recharge outside of their homes, where limited suitable places for recharging causes problems. Finally, the manufacture and disposal of the components of traditional adaptors and chargers, including the wire and plug, negatively impact the environment.

Wireless charging technology is expected to become a common new source of mobile power. In response to this trend, TÜV Rheinland has become the world's first third party laboratory recognized by the WPC (Wireless Power Consortium) for Qi compliance testing.

Electronic products with the Qi mark will have ensured compatibility and interoperability, with no need to worry about adaptors or chargers of different brands, resulting in simple, flexible and convenient charging.

Qi products are available worldwide (e.g., United States, Japan, Europe, and Greater China, etc.). With TÜV Rheinland as your partner for Qi certification, you can ensure safe and convenient charging devices and standards for smart phones and mobile devices, giving you an edge over the competition.

## 德国莱茵 TÜV，您值得信赖的合作伙伴

- 作为全球首家第三方 Qi 符合性测试实验室，我们是欧盟指定认证机构、美国政府授权认可的无线通讯产品发证机构（TCB）以及加拿大政府授权认可的无线产品发证机构（FCB），为您的产品提供 IC 和 FCC 认可
- 我们保障您的电子产品与充电设备互相兼容，免去了消费者充电时因产品品牌不同而不可兼容的困扰
- 我们提供快速的测试与认证服务，帮助您快速进入市场
- 我们为您提供专业的“一站式服务”

## TÜV Rheinland is your reliable partner

- As the world's first third party Qi compliance test lab recognized by the WPC (Wireless Power Consortium), we are also recognized TCB and FCB to help you with your IC and FCC approvals
- We help to ensure the compatibility and interoperability of your electronic products, meaning consumers do not need to worry about whether they have the right adaptors or chargers from different brands
- We provide fast and efficient services which help you to get to market quicker
- We provide one-stop services

## 我们的服务

德国莱茵 TÜV 全方位的绿色解决方案为您的无线充电设备，例如数码相机，MP3 音乐播放器，移动电话和移动充电电池，提供针对性的 Qi 检测服务，协助您的产品不仅符合相关法规标准，而且减少对环境的影响。

- 协助符合 R&TTE 指令
- 相关 EMC 检测服务
- 电池检测
- 蓝牙技术检测

## Our services

TÜV Rheinland Qi compliance testing service helps your wirelessly charged products, such as digital cameras, mp3 players, cell phones and battery packs, to fulfill relevant standards and reduce negative environmental impacts.

- Comply with the R&TTE directive
- Related EMC testing
- Battery testing
- Bluetooth testing

## Qi 认证流程

- 申请成为无线充电联盟（WPC）会员
- 提供相关说明书与认证申请
- 提交产品样本进行兼容性测试，所有测试项目依据无线充电联盟低功率 Qi 相容性测试规格（第一章，第三部分）
- 德国莱茵 TÜV 出具测试报告

## Qi certification procedures

- Become member of the WPC (Wireless Power Consortium)
- Submit documents and application
- Submit product for compliance testing, according to Part 3 of the Wireless Power Specification Volume 1: Low Power
- Issue test report

## 适用范围

- 数码相机
- 智能型手机
- MP3
- 遥控器
- 移动充电电池
- 其他

## Applied scope

- Digital Camera
- Smart phones
- MP3 players
- Remote control
- Battery Packs
- Others

## 测试标准

无线充电联盟低功率 Qi 相容性测试规格（第一章，第三部分）

## Testing standards

Part 3 of the Wireless Power Specification Volume 1: Low Power

## 测试标识



"Qi" 标识（读音为 "chee"，在东方哲学中意为“生命的能量”——无形的流动的力量）是电力传输和接收设备互通的标志，即：带有 Qi 标识的接收设备可与所有带有 Qi 标识的传输设备相匹配。

The logo "Qi" (pronounced "chee", meaning "vital energy" in Asian philosophy – an intangible flow of power) is the sign of interoperability between power transmitters and power receivers. A Qi receiver will work with all Qi transmitters.

从研发阶段的产品设计理念到原材料和成品的安全性和性能，以及实现一贯的高品质的流程和管理水平到最终的产品成功进入国际市场，我们的绿色解决方案无处不在，贯穿始终。

Our Green Solutions will help you throughout the business cycle, from product design during R&D to ensuring the safety and functionality of materials during production and maintaining high process and management standards, thereby helping you to gain access to international markets.