The 'one-stop' service for Bluetooth® qualification

Bluetooth®

As a fully accredited Bluetooth® qualification and regulatory wireless test facility, we cover all layers and standards of Bluetooth® testing for global markets.

Benefit from a complete range of testing and advisory services

Bluetooth® qualification is a mandatory requirement for any product using the wireless technology and displaying the Bluetooth® trademark. We offer 20 years of experience in Bluetooth® compliance and are an accredited Bluetooth® Special Interest Group (SIG) test facility.

Bluetooth® compliance is a complex process encompassing pre-compliance, advisory services, interoperability, regulatory and Bluetooth® qualification testing. We represent one of the few Bluetooth® test facilities to offer a complete range of testing and advisory services for each and every market.

Our 'one-stop shop' makes your route to market more convenient, more cost effective and more straightforward. We can guide you through every step of the compliance and qualification process, helping you to build compliance into your designs, making sure your product works with all other Bluetooth® devices, and avoiding surprises down the line.

Bluetooth® Market Update

6.2 Billion Device Shipments
Since its introduction in 1998, Bluetooth enabled device shipments continue to increase and by 2024, annual Bluetooth enabled device shipments will exceed six billion.

Bluetooth Low Energy (LE) is the new market standard
Bluetooth Low Energy (LE) technology continues to expand at a tremendous rate and remains the fastest growing Bluetooth radio with a 26% CAGR.

205 MILLION Bluetooth® wearables will ship in 2021
Expanding use cases for wearables is powering a steady increase in device shipments. According to the Center for Disease Control (CDC), telehealth saw a 50 percent increase in early 2020 (compared to 2019). Due to a greater need for remote monitoring and early detection of health related issues, sports and fitness devices, as well as smartwatches, are being used to monitor vital signs, track exposure, and allow integration with telehealth services.

Source: 2020 market update from Bluetooth SIG, ABI Research

UL Solutions

Meet the right standards, fast
A full suite of automated test platforms allows us to operate efficiently and price competitively, while reducing your time to market.

Get ready for Bluetooth® 5.1
With our latest investment in Bluetooth® Low Energy test capabilities, we can support you in qualifying for Bluetooth® CLASSIC and Bluetooth® LOW ENERGY.

Stay up-to-date with the latest developments
An active involvement in the Bluetooth® SIG and Bluetooth® Review Board also means we are extremely well placed to provide insight into new Bluetooth® developments, which can inform your own product roadmaps.

Access our global expertise, locally
Because we have experts and test facilities around the world, we can work closely with you on qualification requirements, formulate test plans and assist with the formal listing of your product on the Bluetooth® website (www.bluetooth.com) wherever you are based.

Fast, efficient and cost-effective – on a global scale
As one of the first organizations to invest in Bluetooth® testing technology in 2002, we have built an unrivaled depth of expertise in Bluetooth® wireless technology testing. Since then we have qualified a number of designs using a large and varied number of different chipsets, protocol stacks and supported profiles. We are one of the few facilities able to offer protocol stack debug and compliance.

Take advantage of market-leading test capabilities
With independent, ISO 17025 accredited and FCC listed test facilities in Fremont, Calif., in the U.S., as well as facilities in Europe and Asia, we offer all the appropriate EMC, radio performance and safety test standards you need to gain market access. For multi-technology devices, we also provide an extensive range of expertise in Wi-Fi, cellular compliance and RF exposure (including specific absorption rate) to encompass all device requirements.

Bluetooth® Profile Tuning Suite (PTS)
- Testing software that automates compliance testing to the specified functional requirements of Bluetooth® Host Parts and specifications that reside above the Host Controller Interface (HCI)

Bluetooth® Protocol
- Protocol covering all layers for 4.2, 5.0, 5.1 and 5.2
- Experienced qualification experts to guide you through all applicable testing
- Onsite testing for HCI and above

Bluetooth® RF
- RF covering classic and enhanced data rate 4.2, 5.0, 5.1 and 5.2
- RF covering low energy (5.2)
- RF advisory services

Industries Served

| Consumer Technology | Household Appliances And Lighting | Medical Equipment | Commercial Equipment |

To learn more about UL Solutions Bluetooth® services, visit UL.com/Solutions.

Solutions

Safety. Science. Transformation.™