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Ellisys Releases Qualification Tests Update for New Bluetooth® 5.3 Specification

Latest Ellisys Bluetooth Qualifier™ Release also Introduces Validation Test Suite

Geneva, Switzerland — July 13, 2021 — Ellisys, a leading worldwide provider of test and analysis solutions for Bluetooth, Wi-Fi®, Universal Serial Bus (USB), and other wired and wireless communications technologies, today announced the availability of qualification tests supporting this week's official release of version 5.3 of the Bluetooth Core Specification. The company also released a new suite of validation tests, called the Quality Suite, that exceed the scope of qualification test requirements defined by the Bluetooth Special Interest Group (SIG). Both test suites are available on the Ellisys Bluetooth Qualifier (EBQ) dual-mode radio controller development and qualification test system.

"With the onset of the pandemic in 2020, new Bluetooth test requirements expectedly slowed, but with the new Bluetooth specification and its associated test requirements, known as TCRL 2021-1, this latest EBQ release represents the largest ever addition of updates to the widely deployed EBQ system," said Mario Pasquali, Ellisys president and CEO. "Just from the latest list of Test Specification Errata (TSE), we added 360 test updates. The prior TCRL update, 2019-2, required just 52 errata-driven test updates. Adding dozens of tests for new Bluetooth 5.3 features, and with the initial release of the Quality Suite, we are pleased to have met our design goal — to be ready to support development and qualification for our customers on the day the new Bluetooth specification was released."

New Specification Addresses Several Areas and Continues Bluetooth Features Expansion

The Bluetooth SIG formally approved the adoption of version 5.3 of the Bluetooth Core Specification this week, the latest in a series of specifications that have also introduced direction-finding capabilities, audio over Bluetooth Low Energy, speed and range extensions, and other popular features. This latest version of the specification adds several new core features, including power-savings enhancements, security updates, and channel selection improvements.

Debut of Quality Suite Marks Expansion of Testing Capabilities

With the initial release of the Quality Suite, Ellisys extends its test complement to nearly 2,000 tests. While adherence to the requirements defined in the latest TCRL (Test Case Reference List) from the Bluetooth SIG, fully supported by the EBQ platform, goes a long way toward ensuring Bluetooth interoperability and performance goals, the addition of the Quality Suite takes that a step further by covering test areas not defined by the TCRL. Many of these tests are implemented based on suggestions from the Ellisys customer base, and most focus on later-generation Bluetooth features. Currently, Ellisys is accepting Beta user requests from its customers for the Quality Suite Beta. For more information, contact Ellisys at sales@ellisys.com.

Ellisys Bluetooth Solutions Support

Ellisys Bluetooth test and analysis solutions are used by developers worldwide, including radio and controller manufacturers, IP companies, including software stack creators, makers of consumer electronics, cyber security services, automotive companies, test labs, and others. The company's solutions include the Ellisys Bluetooth Qualifier (EBQ) platform, and several protocol analyzer tools supporting both Bluetooth radio types – Low Energy and Classic (BR/EDR). EBQ is a comprehensive compliance, validation, and development system for Bluetooth technology, targeting the behaviors of the lower communications layers, including implementation of nearly two thousand test cases. Ellisys protocol analyzers include the ubiquitous Tracker™, Explorer™, and Vanguard™ systems, offering deep features sets designed to meet a variety of customer requirements.

Availability, Photos, and Product Information

The EBQ is available from stock to Bluetooth SIG-recognized test labs, known as Bluetooth Qualification Test Facilities (BQTF) and Bluetooth Recognized Test Facilities (BRTF), and to Bluetooth SIG member companies involved with radio controller and IP development. Ellisys protocol analyzer systems are available from stock either direct from Ellisys or from authorized distributors worldwide. For more information, please visit www.ellisys.com/ebq for EBQ, www.ellisys.com/products/btcompare.php for our Bluetooth analyzers, or contact Ellisys at sales@ellisys.com.

About Ellisys

Ellisys is a leading worldwide supplier of advanced protocol test solutions for Bluetooth, Wi-Fi®, USB 2.0, SuperSpeed USB 3.2, USB Power Delivery, USB Type-C®, DisplayPort™, and Thunderbolt™. More information is available on www.ellisys.com.

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World Class Protocol Test Solutions for Bluetooth, USB, and Wi-Fi

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