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Ellisys Adds Wi-Fi Analysis Capabilities to Industry's Only All-in-One Bluetooth Analyzer

New Features Address Key Wireless Coexistence Testing Aspects

Geneva, Switzerland — November 29, 2016 — Ellisys, a test and measurement company and a leading worldwide provider of protocol analyzers, testers, and standards compliance suites for Bluetooth Technology and Universal Serial Bus (USB) announced today it has added fully integrated packet capture support for Wi-Fi to its industry-leading Bluetooth Explorer™ 400 All-in-One Protocol Analysis System. The added support, encompassing IEEE specifications 802.11a/b/g/n, enables the company's Bluetooth customers to characterize and optimize product and environmental coexistence of Bluetooth and Wi-Fi communications. Wi-Fi and Bluetooth are commonly co-located on many consumer devices and are increasingly coexistent in a wide variety Internet of Things (IoT) environments such as Smart Home, medical, and automotive.

"Understanding precisely how Wi-Fi and Bluetooth operate together is important for wireless technology developers who must mitigate the quality risks associated with development and product deployments by efficiently creating reliable silicon and consumer products and applications. While Bluetooth and Wi-Fi employ different transmission methods, they generally operate in a common spectral range and can interfere with each other at a physical level, leading to performance issues," stated Mario Pasquali, Ellisys president and CEO. "The addition of fully integrated Wi-Fi capture support to our Bluetooth Explorer system enhances an already high-performing wireless analyzer that has been a prized standard in the labs of leading technology developers for more than 6 years."

Wi-Fi Capabilities Enhance Existing Coexistence Features
The addition of fully integrated, time-synchronized Wi-Fi capture capabilities on the Bluetooth Explorer system complements existing wireless coexistence features pioneered by Ellisys engineers, including an RF spectrum analysis feature and a multitude of real-time analytical and statistical tools that characterize wireless transmission and reception performances and protocol behaviors. With many radios, consumer devices, and emerging IoT applications employing both Wi-Fi and Bluetooth capabilities, the Bluetooth Explorer is uniquely positioned to add value to a wide variety of wireless developer labs.

Bluetooth Explorer 400 Major Features
The Bluetooth Explorer 400 All-in-One Protocol Analysis System includes a proprietary whole-band reconfigurable radio for passive, highly accurate capture of all Bluetooth network topologies and all variants of Bluetooth traffic, including the upcoming release, known as Bluetooth 5. It also includes a wide variety of integrated and tightly synchronized wired capture capabilities, including all common Bluetooth host controller interfaces. This innovative approach instantly revolutionized the characterization and debug of Bluetooth products and radio silicon when it was introduced just a few years ago. With the addition of the new Wi-Fi capture, the Bluetooth Explorer uniquely supports truly integrated, one-click concurrent, synchronized capture of:

- Classic Bluetooth BR/EDR
- Bluetooth Low Energy
- Wi-Fi 802.11 a/b/g/n
- 2.4 GHz Raw Spectrum Energy
- Wireless Coexistence Interface 2 (WCI-2)

- USB HCI (1 port), UART HCI (2 ports) and SPI HCI (2 ports)
- Logic signals
- Audio I2S

Availability, Product Photos, and Information

The Bluetooth Explorer 400 is available in various configurations to meet a variety of customer requirements. For customers that wish to upgrade their units to add Wi-Fi capture, please contact sales@ellisys.com to learn about upgrade path and cost. For more information about the product, including software downloads, please visit www.ellisys.com/products/bex400.

About Ellisys

Ellisys is a Test and Measurement company committed to the design and timely introduction of advanced protocol analysis solutions for USB and Bluetooth technologies. More information is available on www.ellisys.com.

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World Class Solutions for *Bluetooth*, Wi-Fi, and USB

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