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Ellisys Expands Wi-Fi 6E Coexistence Capabilities on Bluetooth Analysis Platform

Addition of Concurrent Wi-Fi 6E Capture Complements Multi-Protocol Wireless and Spectrum Analyses

Geneva, Switzerland — June 16, 2023 — 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 integrated Wi-Fi 6E capture capabilities on its Bluetooth Vanguard™ Advanced All-in-One Wireless Protocol Analysis System. This new capability gives Bluetooth engineers the ability to capture and analyze Wi-Fi 6E traffic concurrently and synchronously with Bluetooth, Low-Rate Wireless PAN (LR-WPAN) technologies such as Zigbee and Thread, raw RF spectrum, and a host of wired communications protocols common in development environments. Developers of Bluetooth technology often focus on the impact spectrally competitive wireless technologies can have on the performance of their designs. The ability to capture and analyze multiple wireless protocols operating in the same bands where Bluetooth operates is critical to such tasks.

“Like Wi-Fi, Bluetooth is everywhere these days, and it is commonly co-located on SoCs or otherwise co-resident with Wi-Fi and other same-band wireless technologies on an endless variety of products,” said Mario Pasquali, Ellisys president and CEO. “Most Bluetooth developers, from controller manufacturers to makers of consumer devices and well beyond, must utilize standardized and sometimes proprietary approaches to minimizing the impact of other radio technologies. This latest addition to the Bluetooth Vanguard system brings our customers the latest mainstream Wi-Fi protocol and spectrum analysis capabilities and greatly enhances an already-comprehensive approach to wireless test and analysis.”

Wi-Fi 6E Targets Data Intensive Applications Like High-Definition Video

Wi-Fi 6E expands the 802.11ax specification into the 6 GHz band. It also operates in the 2.4 GHz and 5 GHz bands, with channels up to 160 MHz wide. Wi-Fi 6E is targeted at data intensive applications like high-definition video and is expected to relieve much of the congestion that has frustrated users in prior Wi-Fi standards. Bluetooth presently operates in the same 2.4 GHz ISM spectrum where Wi-Fi operates.

Availability, Photos, and Product Information

Bluetooth Vanguard systems may be purchased with optional Wi-Fi- 6E capabilities (part number BV1-ENT/OPT-W6E) either direct from Ellisys or from authorized distributors worldwide. Units in the field may be upgraded by an Ellisys support facility (reference part number BV1-ENT/UPG-W6E). For more information on Bluetooth Vanguard purchases that include Wi-Fi 6E, or upgrades, please visit https://www.ellisys.com/products/bv1/purchase.php or contact Ellisys at sales@ellisys.com.

About Ellisys

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

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