

Hitachi Kokusai Electric Comark Supports Live ATSC 3.0 SFN Demo During 2019 NAB Show

Las Vegas, NV, March 27, 2019 – Hitachi Kokusai Electric Comark LLC (hereinafter “COMARK”), a manufacturer and supplier of DTV transmitters, encoding systems, and associated field services for over 45 years, will be supplying the National Association of Broadcasters (NAB) an end-to-end ATSC 3.0 solution for SFN signal distribution during the NAB Show in Las Vegas April 6 – 11 (exhibits open April 8 – 11).

NAB’s goal during the upcoming trade show is to highlight the production readiness of ATSC 3.0 equipment and show the capabilities of SFN architectures. To illustrate the capabilities of this Next Generation Broadcasting Television (NGBT) standard, a master ATSC 3.0 headend system will be used to feed four independent Single Frequency Network (SFN) exciters located throughout the Las Vegas Convention Center (LVCC). Of the four exciters, three of them will be strategically located within the North Hall with a fourth exciter providing signal coverage to the Central Lobby. The demo system will be broadcasting live video as well as pre-recorded content to multiple receivers on the Show floor.

As a principal contributor to this demo, COMARK will supply the full ATSC 3.0 headend solution that will be located in the ATSC’s Ride the Road to ATSC 3.0 pavilion in the North Hall. This headend solution includes software-based HEVC encoders, a ROUTE server, and a Broadcast Gateway/Scheduler. The system also includes a StreamScope for test and monitoring. The entire ATSC 3.0 headend system was installed into a portable rack, integrated, and pre-configured by Comark Digital Services. COMARK will also be supplying two EXACT-V2 ATSC 3.0 DTV exciters that will represent half of the SFN transmitter points.

“We’re thrilled to be working with COMARK and other industry contributors in the SFN demonstration at the NAB Show,” said Lynn Claudy, NAB Senior Vice President of Technology and ATSC Chairman. “Attendees will see how SFN architecture can make ATSC 3.0 reception more reliable, with mobile receiver viewing kiosks at several locations in the North Hall and Central Lobby. COMARK is helping to get ATSC 3.0 really moving!”

“COMARK has been investing a lot of time and money in the ATSC 3.0 space” says Dick Fiore, President and CEO of COMARK. “Our Comark Digital Services group has the engineering laboratory, expertise, and hands-on know-how to easily make these demos happen. In addition to the NAB SFN demo, COMARK will also be displaying a full end-to-end ATSC 3.0 demo at the Hitachi Kokusai Electric Group’s booth, C4409.”

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About Hitachi Kokusai Electric Comark LLC:

For over 45 years COMARK has been synonymous with broadcast expertise and innovation. A trusted partner to the world's leading broadcasters, COMARK has pioneered many developments that have shaped the industry, leading innovation in IOT & MSDC-IOT technology, transistorized solid-state technology, Digital Adaptive Pre-correction (DAP), and also winning multiple Emmy® Awards; and gaining numerous patents in technologies that have become fundamental to broadcasting. COMARK is now building on this great heritage with the release of an entirely new range of transmission products for terrestrial television broadcasting, and state-of-the-art products for scientific/industrial RF applications. With thousands of active COMARK transmission systems deployed worldwide and a global support presence, COMARK plans to continue to develop technologies for the future, with efficient performance initiatives that improve coverage and save power.

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***Look for Hitachi Kokusai Electric Group at NAB
2019, booth # C4409.***

Information about products from COMARK is
available at www.comarktv.com.

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