



Hitachi Kokusai Electric Comark Announces the “Repack Optimized” E-Compact Air Cooled Transmitter Family at NAB-2017

Southwick, MA, April 12, 2017 — Hitachi Kokusai Electric Comark LLC (hereinafter “COMARK”), a manufacturer and supplier of DTV transmitters, encoding systems, and associated field services for over 45 years, has announced the introduction of the Repack Optimized *E-Compact* series of high efficiency air cooled solid state UHF DTV transmitters.

E-Compact air cooled DTV transmitters have been optimized for the US repack market. It now incorporates the latest broadband Doherty amplifiers using the same LDMOS device as the company’s award winning PARALLAX UHF liquid cooled Doherty transmitter family.

The *E-Compact* has been upgraded with asymmetric broadband Doherty solid state amplifier technology; requiring less energy to deliver more power. The heart of the transmitter is a 950W 3RU amplifier chassis. Thanks to the latest LDMOS FET technology, the amplifier is rated at the same power level for either ATSC 1.0 (8VSB) or ATSC 3.0 (OFDM). *E-Compact* is available in Transmitter Power Output (TPO) levels from 850W to more than 10kW.

The *E-Compact* platform is compact and rugged, perfectly suited for broadcasters looking to upgrade or replace older less efficient equipment currently at their TV stations or for future ATSC 3.0 SFN systems.

The PA design includes Quick Coupling System for easy maintenance of the PA drawers (Hot Swappable). The Automatic Cooling Fan Speed Control provides lower acoustic noise levels during operation. The product features the EXACT-V2 “IP Optimized” DTV exciter with “DualCast” technology; it is easily upgraded from ATSC 1.0 to 3.0; protecting investment today for use tomorrow.

User control and monitoring is simple with the *E-Compact* – a front panel man-machine interface provides the basics while a built-in web server allows more in-depth metrics and control. And an optional SNMP client is available for broadcasters that want remote access back to a central network operations center (NOC). The *E-Compact* transmitter will be on display at the Hitachi Kokusai Electric Group’s booth, located at C4309.

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News Release

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 entire 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 lead the way in developing technologies for the future, with efficiency and performance initiatives for improving coverage and saving power.

***Look for Hitachi Kokusai Electric Group at NAB 2017,
booth # C4309!***

Information about products from Hitachi-Comark is
available at www.comarktv.com.

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