



## **Hitachi Kokusai Electric Comark presents the E-Compact DOHERTY Air Cooled Transmitter Family at NAB-2016**

Southwick, MA, April 16, 2016...Hitachi Kokusai Electric Comark LLC (hereinafter “Comark”), a manufacturer and supplier of DTV transmitters, encoding systems, and associated field services for over 40 years, has announced the introduction of the *E-Compact* series of high efficiency air cooled solid state UHF DTV transmitters. The *E-Compact* is available to support the worldwide DTV Industry; available in ATSC, ISDB-T, and DVB-T/2.

The *E-Compact* series utilizes Doherty solid state amplifier technology; requiring less energy to deliver more power. The heart of the transmitter is a 3RU amplifier chassis that produces over 800 watts RMS in ATSC. The design now includes Quick Coupling System for easy maintenance of the power drawers (Hot Swappable). The exciter is available with “DualCast” technology which is easily upgraded via firmware from ATSC 1.0 to 3.0; protecting investment today for use tomorrow.

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 product family is now available in 700 Watts through 8,500 Watts (ATSC) in post filter measurements. E-Compact incorporates Doherty 50VDC LDMOS devices and air cooling to ensure ultimate reliability and efficiency. The new Automatic Fan Speed Control provides lower acoustic noise levels during operation.

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 40 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 2016,  
booth # C4309!***

Information about products from Hitachi-Comark is  
available at [www.comarktv.com](http://www.comarktv.com).

Contact:  
Joseph Turbolski  
Director of Sales Operations  
Tel: +1 413 998 1100  
Email: [jturbolski@comarktv.com](mailto:jturbolski@comarktv.com)