



## Hitachi Kokusai Electric Comark Announces Improved E-Compact High-Power Air-Cooled Transmitters at NAB-2022

**Southwick, MA, March 01, 2022** – Hitachi Kokusai Electric Comark LLC (hereinafter “COMARK”), a manufacturer and supplier of DTV transmitters, encoding systems, and associated field services for 50 years, has announced the introduction of the newly improved ***E-Compact*** EC700HP-BB3 series high-efficiency air-cooled solid-state UHF DTV transmitters. The “BB3” version is the third generation in the high-powered product line and supports the US post-repack channels 14-36.

The EC700HP-BB3 product line is available with a single final power amplifier or up to 12 x PA’s in parallel, producing from 1.1kW to up to 13.2kW respectively. These output power levels are measured after the mask filter. Improvements to the “BB3” series include:

- Dual commercial off-the-shelf GE AC to DC rectifiers in the power supply of each PA
- Hot-swappable rectifiers accessible from the front panel of the PA chassis
- Newly improved system controller with a simpler user interface GUI
- Optional front panel touch screen for easier user access to the control / monitoring GUI
- Optional outdoor cabinet for sites lacking adequate space in equipment shelter

E-Compact “BB3” production and transmitter testing will be performed in the company’s Southwick, MA facility to enhance product line flexibility and reduce product lead times.

The “BB3” continues to feature the latest asymmetric broadband Doherty LDMOS amplifiers (the same device as the award-winning PARALLAX® series liquid-cooled UHF transmitters). The amplifier technology allows power efficiency of up to 44%. The air-cooled PA design includes automatic cooling fan speed control that provides lower acoustic noise levels during operation. The transmitters include a built-in web-GUI and SNMP for remote control and monitoring. The ***E-Compact*** also features EXACT-V2 IP Optimized DTV exciters with DualCast technology and is easily upgraded from ATSC 1.0 to 3.0, protecting your investment today for use tomorrow.

The ***E-Compact*** family is compact and rugged, perfectly suited for broadcasters looking to replace their current older and less efficient equipment or for future ATSC 3.0 SFN systems. The EC700HP-BB3 transmitter will be on display at NAB 2022 at Hitachi Kokusai Electric Group’s booth (C4409).

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# News Release

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***About Hitachi Kokusai Electric Comark LLC:***

For 50 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.

Emmy® is a registered trademark or trademark of The National Academy of Television Arts and Sciences, Inc. and Academy of Television Arts and Sciences Corporation.

***Look for Hitachi Kokusai Electric Group at NAB  
2022, booth # C4409.***

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

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