

WLII-DT is On-Air with a 19.2kW PARALLAX® VHF D11 DTV Transmitter from Hitachi Kokusai Electric Comark

SOUTHWICK, MA, August 10, 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 that WLII is on-air with a new COMARK 19.2kW PARALLAX VHF band 3 transmitter. WLII, owned by Liberman Media Group LLC, serves the capital city of San Juan, Puerto Rico.

WLII-DT applied for and received a new construction permit from the FCC to increase the station’s ERP from 38kW to 160kW, which necessitated a new VHF transmitter. WLII purchased a PARALLAX 19.2kW single rack cabinet transmitter that includes 14 VHF Band 3 Doherty final power amplifiers and the complete liquid cooling system.

PARALLAX provides the highest in class power density in the industry. This transmitter was also pre-wired to accept two additional final power amplifiers in the future, should the station want to increase the power capability of this system.

The PARALLAX transmitter was delivered complete with dual EXACT-V2 ATSC exciters (in main / standby configuration). The system is fully upgradeable from ATSC 1.0 to 3.0. In addition, COMARK supplied a new 25kW RF mask filter system and channel combiner. The WLII station is combined with an existing channel 7 DTV transmitter via a broadband input port.

COMARK managed the shipment, offloading, and placement of the new equipment into the existing broadcast facility. After the mechanical installation of the new transmitter system was completed, COMARK’s field engineer turned on the new transmitter, performing the complete proof-of-performance testing. The new WLII D11 transmitter system went live on June 21st at roughly 10PM with no issues.

“We are very happy with Comark and their fantastic team. Being on an island brought some specific challenges to the project that Comark was able to overcome. They provided a seamless on-time project completion. The Parallax transmitter at the new 160kw level has made huge improvements in our signal and we are very pleased with the results.” states Winter Horton, Chief Operating Officer.

“The team here at COMARK provided a complete solution to replace WLII’s older VHF transmitter system as part of the station’s plan to increase their ERP”, states Joe Turbolski, VP of Sales and Marketing for COMARK. “We were pleased to work with the team at WLII; their new PARALLAX liquid cooled transmitter will provide a much better OTA signal to the viewers in San Juan.”

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

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