

DTV Ready

With the emergence of DTV, stations are looking for answers to their broadcasting questions.

JAMPRO has pioneered solutions for many decades and today continues to meet the demand as the broadcast industry changes. JAMPRO can offer a broadcaster a variety of options to consider when deciding their conversion to DTV.

The JTW/JUHD now incorporates a UHF Broadband Panel and the Traveling Wave Slot. JAMPRO is the only U.S. manufacturer to completely design, test and manufacture a UHF Broadband panel antenna in the U.S.A. A typical panel has a power handling of 2.5 kW and high power levels are available. The JUHD is designed as either a side-mount or top mount antenna. The antenna is based on a modular design and can be configured to provide various azimuth and elevation patterns. The design of this horizontally polarized panel antenna may be configured to include varying levels of vertical polarization with results ranging from small amounts of elliptical polarization. To ensure many years of trouble-free service, radomes are installed to enclose and protect the panels against corrosive environments as well as rain and ice.

All TV antennas can be used independently to transmit a NTSC or DTV signal. Another TV antenna is the Prostar Series Slot that is designed to produce various azimuth patterns for broadcasters to optimize coverage. Ranging in power handling from 1kW to 70 kW, the Prostar Series can be configured as top, leg or face mounted antenna. Electrical beam tilt and null fill is available which can substantially improve the coverage.

For those broadcasters who need to broadcast a digital and analog signal simultaneously, JAMPRO's TV antennas can be stacked to minimize tower loading. With tower loading and the availability at a premium, the stacking of two proven and reliable antennas is yet another example of JAMPRO paving a path to the future.

The JTW/JAT utilizes a UHF Traveling Wave Slot and a VHF Batwing in one aperture. JAMPRO has manufactured and installed more Batwing antennas throughout the world and thus is the most experienced. The JTW is a top mounted slot antenna that can handle high power and had very low wind load characteristics.

The JTW/JTC again uses a Traveling Wave Slot but utilizes a VHF Spiral into a single aperture. The Spiral is the most superior CPOL antenna and the only true omni-directional antenna available providing circularity of +/- 1dB or less. The Spiral was the 1st circular polarized TV antenna manufactured and can be customized for each application for any single VHF channel 2-13 or UHF 14-69.



The image depicts separate digital and analog signals transmitted from two stacked antennas: a JTW-UHF traveling wave and a