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8-VSB EXCITER for DTV TRANSMITTER/TRANSLATOR

Chatsworth, CA – March 20, 2007 - KTech Telecom, a leader in Digital Broadcast and Digital Cable technologies, will be demonstrating at NAB 2007 in Las Vegas its new and improved XTREME-1000E 8VSB Exciter. This unit is equipped with built-in RF input for 8VSB demodulation, GPS input for an On-Channel Booster application, ASI/SMPTE-310M input for accepting base-band MPEG2 Transport Stream, PSIP Modification, and automatic full-time linear and non-linear pre-correction capabilities.

Application –Back-Up 8VSB Exciter

The XTREME-1000E has unique full-time automatic linear and nonlinear pre-correction capability. This makes the unit an ideal back-up exciter for current 8-VSB Transmitters in service.

Application –8VSB Digital Translator

The XTREME-1000E is useful in 8VSB Digital Translator application since the unit will adapt to the transmission characteristics of the existing nonlinear RF amplifier and an output band-pass-filter for both "simple" and "stringent" mask filters.

The unit applies automatic linear pre-correction for the linear distortions present at the output of the translator and pre-correct its modulator output. Linear distortions are created typically due to change in temperature and change in output filter response and cause SNR, MER, Group delay, and Magnitude response degradation.

The unit also corrects automatically the non-linear distortions, which are created typically due to change in temperature and change in the RF amplifier's transistor response over time and cause increased IMD levels. Such increased IMD levels may violate the FCC mask, create adjacent channel interference, and reduce coverage area.

About KTech Telecom

Since 1995, KTech has been a manufacturer of professional digital Broadcast and digital CATV Head-End equipment. Its products include 8VSB modulators, digital demod/decoders, SMPTE-310M to ASI, IEEE-1394 Converters, and 8VSB digital processors.

Visit www.ktechtelecom.com for more information

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