



## *Broadcast Antenna Systems*



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**KWOP Channel 33/31, Salem, Oregon**  
The site-mounted, dual adjacent, TRASAR antenna operates both NTSC & DTV signals simultaneously.



Full size antenna section undergoing a pressure test in one of two Andrew anechoic chambers dedicated to broadcast products.



The Andrew Direct System Planner (ADSP) helps you to configure digital and analog television broadcast systems. It provides printed antenna patterns with tabulated data, data for power analysis, produces electronic files of antenna patterns for propagation studies, and comes pre-loaded with more than 35 popular broadcast transmission lines. Download ADSP from [www.andrew.com](http://www.andrew.com) or ask for our Powerbook CD-ROM.

Andrew has been providing broadcast antennas, systems and services for more than 60 years. Broadcasters worldwide have learned that Andrew technology is cost-effective and provides the highest level of performance, quality and reliability.

### Full Range of Antennas for DTV and NTSC

#### High Power Television Broadcast Antennas

- **TRASAR<sup>®</sup>** traveling wave antennas for both UHF and high band VHF applications
  - Choice of full radome or slot covered design
  - Choice of stacked antenna designs
- **PANAR<sup>™</sup>** broadband panel antennas for UHF-TV application
- **GUIDELINER<sup>®</sup>** waveguide antennas for UHF-TV applications
- **G-Series** emergency and standby antennas for UHF-TV and high-band VHF-TV applications, designed for permanent installation
- **STACKER<sup>™</sup>** optimized mounting structure for TRASAR antennas

#### Low to Medium Power Television Broadcast Antennas

- **ALP Series II** antennas for UHF applications
- **ALR Series** antennas for UHF translator and low power DTV applications

#### NMDS-ITFS Antennas

- **NMD Series** transmit antennas for global wireless cable applications
- **DATA MASTER<sup>™</sup>** Series sector antennas for 2-way NMDS applications

### Widest Variety of Broadcast Transmission Lines in the Industry

#### Rigid Coaxial Transmission Lines

- **MACXLine<sup>®</sup>** rigid line featuring unique bellows inner conductor
- **WIDELINE<sup>™</sup>** broadband rigid line for multiplexing broadcast applications
- **DUALLine<sup>™</sup>** rigid line for optimized transmission of multiple channels

#### Waveguide Transmission Line

- **GUIDELINE<sup>®</sup>** high efficiency waveguide features advanced design for superior efficiency and stability

#### Air and Foam-Dielectric Coaxial Cables

- **HELIX<sup>®</sup>** coaxial cables widely used for broadcast systems, including 5" high power coaxial cable