



The Sales Group MANUFACTURERS REPRESENTATIVES

WIRELESS NEWS

Upcoming Events



Welcome Bob Shropshire!
 Industry veteran Bob Shropshire has joined The Sales Group, and will cover SW Washington and Western Oregon. Bob can be reached at: (253) 344-6973 or Bob@thesalesgroup.com

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- MICROWAVE NETWORKS** **2**
 provides full range of licensed and unlicensed radios from 900 MHz to 80 GHz. *New Line*
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 announces their new Spectrum Analyzer E8600B
- G WAVE Solutions** **3**
 is our newest line. They manufacture BDA's, Fiber DAS, Tower Top Amplifiers
- EXACOM** **4**
 Announcing representation of EXACOM logging recorder solutions

www.thesalesgroup.com

Pacific Northwest Edition

Telewave Transmitter Combiners

Combine your strengths and save valuable tower space!

Telewave transmitter combiners save valuable tower space and eliminate interference with proven technology. As many as 14 transmitters can share the same antenna system, and dual band configurations such as 700/800 MHz can be provided. Hybrid combining techniques allow very close channel spacing, even adjacent channels if required.

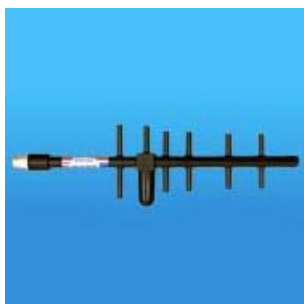
Telewave combiners are custom-built on any frequency between 30 MHz and 960 MHz, and are compatible with any narrow or wideband, analog or digital air interface including P25 Phase I and II. Duplexers, receiver multcouplers, preselectors and power monitors can all share the same rack.



More information at:
www.telewave.com



YAGI (DIRECTIONAL) 138-2700 MHz - 500 WATTS



Yagi antennas from 138-960 MHz ship standard with a welded mounting plate for vertical polarization. Antennas from 1470-2700 MHz have no welded plate which allows hand held operation. A small U clamp is included which allows fixed mounting for either polarization. For horizontal mounting of Yagis from 138-960 MHz, use ANTM400H or ANTM940H. The ANT150Y10H is unique so please see that data sheet.

Microwave Networks Mission Critical Microwave

Microwave Networks provides the most reliable and flexible microwave radios in the industry. These highly reliable software defined radios offer the ability to transport both native IP and native TDM traffic and are perfect for any infrastructure, last-mile, or access application. **Provides full range of licensed and unlicensed radios from 900 MHz to 80 GHz.**

Successful networks depend on each individual piece working reliably and seamlessly with every other part of the network. The same is true for your wireless infrastructure or access system. With our family of Integrated Microwave Solutions, our radios provide a complete line of advanced, cost-effective, and reliable products that work together to solve your complete communication system's needs.

In addition to the standard Plesiochronous Digital Hierarchy (PDH) technology, all of our radio platforms offer customer interfaces for IP and data transport. This unique combination offers network operators the ability to leverage their current network infrastructure and provide an efficient evolution to their next generation networks. As voice and data traffic grow within the networks, PDH systems can be supplemented with Synchronous Digital Hierarchy (SDH) platforms to carry data as high as 311 Mbps.

With over 40 years in the microwave radio business, (formerly Motorola Microwave) we are dedicated to producing products and services that meet new and emerging market requirements as well as traditional, established microwave radio applications. **Microwave Networks Offers Full Turnkey Solutions and Maintenance Support Services**



www.microwavenetworks.com

Deviser E8600B Spectrum Analyzer

Designed specifically for wireless communications field engineers and technicians, the E8600B Spectrum Analyzer provides all necessary measurement functions and performance to accurately characterize the signal environment in addition to clearing, detecting, identifying and locating signal interference in a lightweight, handheld instrument.

Key Benefits

Handheld rugged design able to withstand harsh environments and lighting conditions. Intuitive menu structure enables ease of use and quick measurements. Quickly identifies, locates and maps signal interference. Performs comprehensive signal analysis for complete site profile and monitoring the signal environment. Occupied bandwidth, Channel Power and ACPR. Dual spectrum and spectrogram measurements. Verify RF transmissions in FM and AM.

Optional Measurement Modes

- Interference analyzer
- Coverage mapping
- High precision power meter
- Tracking generator
- GPS
- LTE FDD Analyzer, LTE TDD Analyzer, LTE FDD & TDD Air Interface.



www.deviserinstruments.com



TSG Introduces G-WAVE BDA & DAS Solutions

G-Wave designs and manufactures wireless indoor/outdoor signal enhancement systems such as: Bi-Directional Amplifiers, Fiber DAS, Tower Mounted Amplifiers, and Fiber Optic solutions; servicing the Public Safety, Government, Military, and Commercial/Private markets. Utilizing hands-on experience and knowledge, G-Wave's design team has the ability to efficiently identify the product solution to satisfy the scope of installation requirements. Solutions are customized to fit even the most scrutinizing of requirements within a short concept to production time frame.

Bi-Directional Amplifiers (BDAs) / Repeaters

Bi-directional Amplifiers (BDA) extends the coverage of both the uplink and downlink signal within buildings and other RF shielded environments, where signal is weak or non-existent, but usable signal is available outside the structure. By bridging the signal using the BDA, cables and antennas, it is possible to take the usable outdoor signal, and retransmit it inside. Available in indoor and outdoor NEMA-4 enclosures, G-Wave BDAs have been used in all types of buildings, including hospitals, hotels, high-rise buildings and shopping malls, as well as tunnels, remote villages and highways that are not covered by the base station.



G-Wave Launches LightLink Fiber DAS

G-Wave Solutions launches a new family of fiber optic based Distributed Antenna Systems (DAS) products. The LightLink family of products enhances communication coverage in buildings and integrates system balance in RF shielded environments by allowing RF control for distinct operators in multi-operator deployments.

By providing advanced RF design solutions, the Lightlink system is able support VHF, UHF, 700/800/900 MHz Public Safety applications as well as LTE, Cellular850, PCS and AWS communication services.

The LightLink fiber optic distributed antenna system uses single-mode optical fiber cable to distribute RF signals between a central RF hub and remote antenna units (RAU™). The wireless distributed system is comprised of a master distribution unit (MDU) that interfaces with RAU™'s placed throughout a building. RAU™'s are available in various power configurations to provide scalability in design, thereby improving performance and enhancing cost-effectiveness.

This flexibility allows an engineer to scale a system design to the precise requirements without over-engineering individual RAU™'s. Unobtrusive, lightweight antennas are strategically placed to optimize the profound RF coverage area already provided by LightLink. Bi-directional Amplifiers (BDA) extends the coverage of both the uplink and downlink signal within buildings and other RF shielded environments, where signal is weak or non-existent, but usable signal is available outside the structure. By bridging the signal using the BDA, cables and antennas, it is possible to take the usable outdoor signal, and retransmit it inside. Available in indoor and outdoor NEMA-4 enclosures, G-Wave BDAs have been used in all types of buildings, including hospitals, hotels, high-rise buildings and shopping malls, as well as tunnels, remote villages and highways that are not covered by the base station.

Our Distribution Partners

HUTTON TESSCO
...your wireless product experts *making wireless work*

More information at: www.gwaverf.com



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The Sales Group

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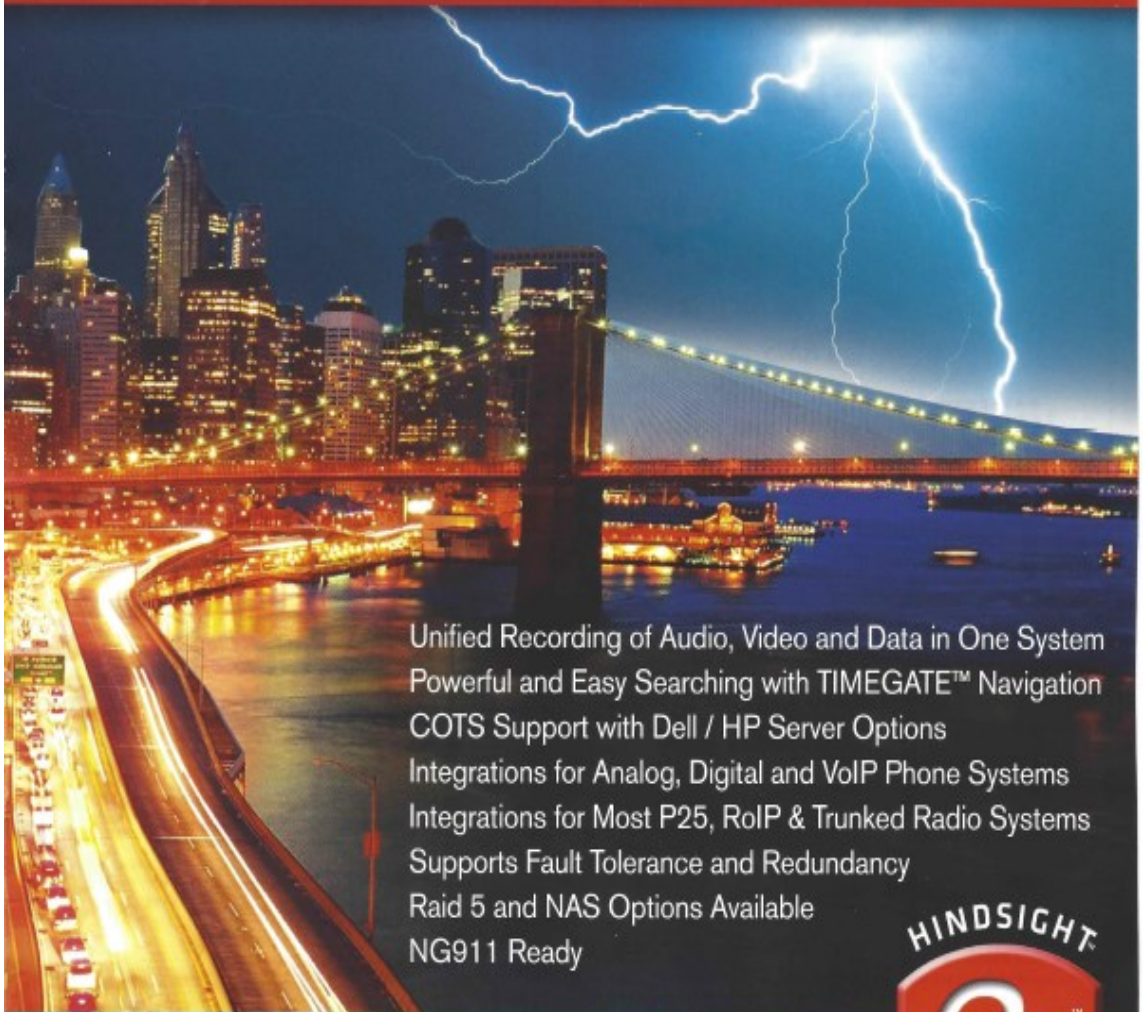
Proud Members of



The Sales Group Represents EXACOM Recording Solutions

Critical Communications Management Made Easy

NEXT GENERATION RECORDING TECHNOLOGY



Unified Recording of Audio, Video and Data in One System
Powerful and Easy Searching with TIMEGATE™ Navigation
COTS Support with Dell / HP Server Options
Integrations for Analog, Digital and VoIP Phone Systems
Integrations for Most P25, RoIP & Trunked Radio Systems
Supports Fault Tolerance and Redundancy
Raid 5 and NAS Options Available
NG911 Ready

www.exacom.com

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