

# Alster News

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## PCTEL - WISP Antennas

### Beam Shaping

Maxrad introduces a new sector panel antenna for the Wi-Fi and WiMAX unlicensed bands for WIPOP installations.

The MSB2401690 shaped beam sector panel antenna - utilizes pattern shaping technology to allow contoured coverage and optimal signal performance within the desired propagation area with 16 dBi gain at 2.4 to 2.5 GHz and outstanding front-to-back ratio of more than 28 dB.

Also new, the WISP24017MBH is a 2.4 GHz horizontally polarized sector panel antenna that offers user selectable horizontal beamwidth options of 45°, 60°, 90° or 120°, and up to 17 dBi gain. Its front-to-back ratio of over 30 dB at 120°, 90° or 60°, and over 26 dB at 45° ensures that the radiated energy is targeted towards the area of coverage, while a typical cross-polarization discrimination of over 26 dB ensures minimum interference from neighboring vertically polarized antennas.

The WISP28016MBH horizontal and WISP28016MBV vertical polarized sector antennas provide adjustable horizontal beamwidth options of 90° or 60°. Please give us a chance to earn your business.



Maxrad - Planar 2.4 GHz Panel

### New Building

Last January, PCTEL announced it will consolidate all its antenna brands (Antenna Specialists and Maxrad) into a new facility in Bloomingdale, Illinois.

PCTEL has successfully moved manufacturing from two Andrew's factories in Mexico to this new facility, and will increase its headcount in Illinois by approximately 45 employees. They will complete moving the Hanover Park facility to the new one by June.

The new building and added employees will improve their manufacturing ability and customer service. Ω

## Vireo - Not for Public Safety Use

Otto Communications, well known for making Public Safety earpieces, headsets and speaker-mics, has introduced the Vireo line of earpieces, headsets and speaker-mics.

### Casinos - Hotels

The Vireo products are designed and well suited for the hospitality industry. These, of course, include casinos, hotels and

resorts.

### Retail - Hardware

They are also perfect for retail operations such as hardware stores, department stores and other stores where communications are needed, but where the environment is enclosed and controlled. These products are sold through our dealer network. Please give us a call for the name of your dealer. Ω

## SunWest Engineering - Cabinets and Platforms

SunWest Engineering custom manufactures cabinets and trailers to house wireless communications equipment. They special in the design and manufacture of either skid, truck or trailer mounted applications.

**www.sunwesteng.com**

You can check them out on the web at [www.sunwesteng.com](http://www.sunwesteng.com) where you will find 1-bay to 10-bay cabinet designs. All you need to do is tell them what you want. Do you want 120, 240 or 480 volt AC? How about -48, 24 or 12 volt DC? They design and build to your specifications.

What size back-up generator do you need? How about the brand of air conditioning you need or the size or equipment racks? They will build it for you.

### Quotation Please

If you download their catalog, please go to page 43. There you will find a list of options that will allow you to configure the cabinet, platform or cell on wheels that best suites your needs. Just work out the part number and give them a call.

If you browse around their webpage, you will find PDF files that can be downloaded showing configurations of 4, 5 or 6 bay COW's and cabinets.

They can even put their Cell-On-Wheels on a Ford F-650 with telescoping antenna and satellite dish.

Please give me a call with your specifications and we'll develop a quotation just for you. Ω



**Trailer Mounted Cabinet**

## Times Microwave SilverLine TuffGrip Cables

Times Microwave Systems announces its new heavy-duty armored **SilverLine™ TuffGrip™** Test Cable series for wireless infrastructure and wireless Internet cell site RF field testing applications.

**SilverLine™ TuffGrip™** Test Cables employ a robust hand grip at the system test end enabling the user to apply as much hand resistance as necessary to make or break heavily weatherproofed RF connections quickly and easily without the use of wrenches and without damaging the test cable, important consid-



erations for technicians working in harsh conditions and under time constraints.

Offering better phase stability with flexure and greater ruggedness than other test cables, these extra-durable cables also employ a steel reinforced flexible outer armor covering to resist cut-through and abrasion and passivated stainless steel connectors. **TuffGrip™** is available on **SilverLine™** Test Cables with 7-16 DIN male and female and Type N female connectors. Please call me for more information or a demonstration. Ω

*Times Microwave introduces the Tuff-Grip option for the high-spec SilverLine Test Cables*

## Federal Signal - Air Mobility Award

Federal Signal announced the completion of installations at the first three of twelve Air Mobility Bases in the US. Federal Signal was awarded the project through a GSA Connections contract with their partner EPS, Inc. of New Jersey.

The project includes Mass Notification installations at each of twelve bases. The systems include Giant Voice Outdoor Warning Sirens, Telephone Notification, and Base-wide Cable Television command interfaces.

Federal Signal's UltraVoice Personnel Alert System includes the Federal Commander Digital System, which provides two-way status monitoring and control of Modulator Electronic Sirens and UltraVoice Electronic Siren Controllers. The system also includes a telephone notification system that allows base command to develop specific alert scenarios to automatically provide base-wide, or first responder alerts in the event of an emergency situation. Ω



**Modulator 3012**

## Relm Wireless - RP3600 Radio/Pager

### RP-3000

In February, 2005 Relm Wireless introduced the RP3000 wide/narrowband analog, 16 channel, VHF 5/1 watt and UHF 4/1 watt portable that acts as a radio and pager. It scans for 2-Tone pages and standard voice channels and offers over-the-air programming (at 2400 baud).

This rugged portable is ideal for volunteer fire department or road crews where inexpensive communications with paging options are required. Paging features include vibrate and silent/paging mode.

### RP-3600

This month they announced the avail-

ability of the RP-3600. The RP-3600 is a wide/narrowband 128 channel, VHF 5/1 watt or UHF 4/1 watt portable radio, which is field programmable using the 2 X 8 character dot matrix alphanumeric display with the keypad.

It operates in conventional analog and optional (MPT1327) trunking format.

### Talk Back Pager

In conventional mode, the 3600 also operates as a pager including voice storage, vibrate, DTMF and 2 /5 Tone Encode and Decode. The list price of the RP-3000 is \$515 and the RP-3600 is \$616. Please call for a demonstration. Ω



Relm/BK  
RP-3600

## Alster Gets Trained at Acterna

Alstermen Tom Kyle, Kim Torp-Pedersen, Paul Mekouris, Thad Parker and Cliff Peck spent three days in training at Acterna.

They will receive training on "Hands-On VoiP," the new T-Berd 8000, HST-3000, Fiber applications, Transport applications, IP Video and Triple Play.

### VoiP Training

It seems everyone wants VoiP phones, radio control or other audio connections. For those who need to



keep the system going, Acterna has several testing platforms. And now the Alster guys will know all the tricks.

### HST-3000

This versatile hand held tool can do copper, DSL, VoiP and other verification tests. Alster has a demo unit and would welcome the opportunity of putting our training to the test. Call me to set up an appointment to test copper, T1/T3, DSL, VoiP and the rest. It will be fun for me and helpful to you. Ω

*Five Alster guys  
get in depth  
training on many  
Acterna products  
in May*

## TXRX - 700 MHz Super Booster II

TXRX Systems is embracing the new Public Safety 700 MHz frequencies by offering a complete line of filters, combiners and 700 MHz Super Booster II.

Jim Marshall and RF Engineer Scott Buerger spent a week in Hawaii looking at several different booster projects. During this trip they discussed the products TXRX already has for the 700 MHz Public Safety band, including multiple band filters (700/800, 800/900).

The new Super Booster II, which is smaller, lighter and more RF efficient than our old one. It has three amplifier stages and the end user can set the input and output levels at the booster or via the Internet.

If you want help in designing an in-building booster, Jack Daniel has written several articles. Just go to the Internet and type:

[http://www.txrx.com/products/pdf/In\\_Building\\_Communications.pdf](http://www.txrx.com/products/pdf/In_Building_Communications.pdf). Ω



Super Booster II

## Alster - Histories of a 29 Year Old Company

Alster Communications was founded in 1976 by Russ Ellsworth. Based in Boise, Idaho, Russ began selling service monitors and other test equipment.

He added Bryan Gilmore and Denny Herick as independent contractors in the late 70's and early 80's.

### Steve Stouffer

Steve Stouffer joined as an independent rep in 1986. I had been selling steel and welding supplies and decided to change careers and get into communications. My interest in this field began at an early age and continued through my amateur radio experience (N7IBF).

I initially covered Western Washington and was soon given Eastern Washington and Northern Idaho (1988).

Alster has always been a training oriented company, both receiving from our factories and providing training to our cus-

tomers in person and at ACES (The Alster Communications Electronic Showcase).

This training, my association with the Washington State APCO and the Cellular market improved my technical knowledge.

My wife and I bought Alster Communications in 1997. My territory shifted from Washington to Montana and Hawaii. As our company grew, my territory responsibilities have changed. My current territory is Hawaii and my desk, where I provide technical assistance to the Alster reps.

### ACES 2005

ACES 2005 will be Tuesday, October 4 in Salem; Wednesday, October 5 in Issaquah; and Thursday, October 6 in Anchorage. We will have the traditional training seminars, open exhibit area, free lunch and door prizes for you to win.  $\Omega$



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