

Alster News

PCTEL/Maxrad/Antenna Specialists

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Four of your Alster guys attended technical training with PCTEL at the end of January. We learned several useful things and want to share them with you.

Wideband VHF Mobile

The Maxrad MWV1322HD(S) is a 26 MHz broadband mobile antenna with 2.4 dB gain. It comes with a heavy duty .125 to .100 tapered stainless whip and can be ordered with or without spring. Performing very well, this is a good choice for Public Safety agencies.

ASP-7455

The A/S Elastomer spring is a good performing antenna in both VHF and UHF. The Elastomer spring reduced induced noise in both TX and RX.

No Ground Plane

Another new product is the 2.4 GHz and 4.9 GHz "Shotgun Shell" MLPV. These no ground plane, wideband antennas are perfect for Public Safety data application.

GPS Multiband

PCTEL has introduced several multiband GPS antennas. For use in public safety and



MLPV4900NGP
No Ground Plane 4.9 GHz

vehicle tracking by GPS where VHF/UHF/800 communications is required. You can use the same antenna "hole" for GPS and communications.

Interoperability Vehicle

When you are creating your incident response vehicle, let us help you design the antenna system (or farm) that will occupy the roof. Our engineers will help you locate the appropriate antenna in the best spot for operational success.

PCTEL, Maxrad, Antenna Specialists products are available through your local dealer or distributor. Ω

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IWCE - March 28 through 30

The International Wireless Conference and Exposition will be held in Las Vegas at the end of this month. As usual, all of the Alster guys will be in attendance supporting our factories.

Free Exhibit Hall Passes

Alster has free exhibit only passes available - just give us a call and we will get one to you.

Factories At IWCE

We will be supporting the following factories in Las Vegas:

Aeroflex, Bird Technologies, Federal Warning Systems, JPS Communications, Multiplier Industries, NCS, Otto, PCTEL, Relm Wireless, Survey Technologies, Times Microwave and Trident Micro-Systems.

We will see you there. Ω

Times Microwave - LMR-600

LMR standard is a UV Resistant Polyethylene jacketed cable designed for 20-year service outdoor use. The bending and handling characteristics are significantly better than air-dielectric and corrugated hard-line cables.

LMR-DB is identical to standard LMR plus has the advantage of being watertight. The addition of waterproofing compound in and around the foil/braid insures continuous reliable service should the jacket be inadvertently damaged during installation or in the future.

LMR-FR is a non-halogen (non-toxic), low smoke, fire retardant cable designed for in-building runs that can be routed anywhere except air handling plenums. LMRFR has a

UL/NEC & CSA rating of 'CMR/MPR' and 'FT4' respectively.

LMR-FR-PVC is a general-purpose indoor cable and has a UL/NEC & CSA rating of 'CMR/MPR' and 'FT4' respectively. It is less expensive than LMR-FR, however it emits toxic fumes (HCL) and greater smoke density when burned.

Flexibility and bend ability are hallmarks of the LMR-600 cable design. The flexible outer conductor enables the tightest bend radius available for any cable of similar size and performance. Low Loss is another hallmark feature of LMR-600. Size for size LMR has the lowest loss of any flexible cable and comparable loss to semi-rigid hard-line cables. Ω



**Times Microwave
Spools at Talley - Lynnwood**

Multiplier Intrinsicly Safe for CP200/XTS

Multiplier announces four new Intrinsicly Safe batteries for the CP200 and the XTS 1500/2500 and PR-1500.

M4852

The CP-200 can now be used in hazardous areas using this 1650 mA Ni-MH battery.

M9816

This 1700 mA Ni-Cad is FM approved for hazardous areas for the XTS 1500/2500 and PR-1500. All Multiplier batteries are made in America - Buy American.

M9857

This 2100 mA Ni-MH battery also fits the XTS/PR and can be used in hazardous areas.

M9857X

This 2700 mA Ni-MH battery has more capacity than the OEM makes for the XTS/PR radio. FM approved for hazardous areas, this battery will give your radios the longest talk time available. Product available through your dealer or distributor. Ω

*Multiplier now
makes Intrinsicly
Safe batteries for
the CP200 and the
XTS-1500/2500
and PR-1500*

TXRX Systems - Control Station Combiners

These multi-channel Control Station Combiners provide frequency-agile operation across their entire frequency range. They are used to reduce the number of antennas required on a communications site while also ensuring that predictable radio-to-radio isolation is maintained at all times.

Single antenna-port mobiles may be connected to these combiners to provide operation on two-antenna configurations (one Tx and one Rx), or through a duplexer to

a single antenna (i.e. Tx/Rx). These capabilities can significantly reduce tower clutter and loading, and simplify cabling installation at Control Center facilities.

Models are available in the 132-150MHz, 150-174MHz, 380-450MHz and 450-520MHz, bands in standard configurations for 4, 8, 12, 16, and 32 capacities. Other frequency bands and higher channel capacities are also available upon request.

Call me for more information. Ω



**TXRX Control
Station Combiners**

JDSU/Acterna SmartClass/Test Um Units

Are you looking for an inexpensive ADSL tester? How about an Optical Power Meter? How about a pocket sized Voice, Video, Data and IPTV tester?

ADSL2+

This is the easiest sync and ping tool on the market for the field installer working on ADSL services.

OLP55

The OLP-55 Optical Power Meter is designed for installing, testing and maintaining singlemode and multimode networks and cables. The OLA-55 Optical Attenuator is 40 Gbps ready. The OMK-55 is a test kit containing all of the tools you need.

Stocking Distributors

JDSU has established the following distribution partners for the popular SmartClass and Test-Um units:

Power & Tel

Shawn Kohan - 800-823-7470

Specialized Products

Andrea Smolanovich - 714-997-9423

Test Um

The Test Um products are very inexpensive in-home test, verification and trouble shooting needs. Their IVT-600 tests Voice, Video, VoIP and other residential gateway issues. Please call Shawn, Andrea or me for more information. Ω



JDSU/Acterna
Test Um IVT-600

What is WiMAX?

I'm sure you've heard the term before, but what does it mean? Worldwide Interoperability for Microwave Access - WiMAX.

Who Will Use It?

WiMAX has the potential to replace a number of existing telecom infrastructures. It can replace a telephone copper network, a cable network while offering ISP services.

This "Last Mile" broadband wireless access is the alternative to cable modems, DSL's and T1/E1 service. Therefore, WiMAX can and will be used by anyone wanting to

replace fixed services with wireless services.

Wi-MAX is different from Wi-Fi because it covers a larger area. Where Wi-Fi covers about 100 yards with up to 11 Mbps service, Wi-MAX covers about 6 miles with up to 72 Mbps service. Not only does Wi-MAX offer more throughput than Wi-Fi, it offers carrier grade quality and security.

Wi-MAX will be used in point to point and point to multi-point applications.

So, next time you hear people speaking of Wi-MAX, you will know more about it. For more information, give me a call. Ω

Wi-MAX is taking over for telephone and cable system infrastructures.

Aeroflex Now Shipping Handheld 3500

The Aeroflex 3500 meets the needs of a variety of vehicle radio tests and commercial radio applications by offering the latest in portability, battery life and performance. It provides quick "Drive By" testing to isolate radio installation failures. It also helps isolate cable and antenna problems.

The 3500 measures high power (up to 20 watts without an external attenuator and up to 200 watts with an external attenuator). It weighs only 8.5 pounds and the battery

will last five hours on a full charge. It will operate from -10 to +50 degrees C.

Now Shipping

Aeroflex has been taking orders for the product for a couple of months and now the product is shipping. There is a backlog, so get your order in today.

Please call me for a demonstration of the 3500 or any other Aeroflex product. Seeing is believing. Ω



Aeroflex 3500
Handheld Monitor



60 Years Experience As Alster In The NW

Alster Communications, LLC has the experience you need to help solve problems. The Alster guys consistently attend training on the products we sell to help identify and solve technical needs. Each Alster guy is your advocate to the factory.

Cliff Peck - has been associated with Alster since 2005 and brings years of dealer oriented customer service.

Thad Parker - an Alster guy since 2003 brings years of technical repair and management to you.

Paul Merkouris - has been with us since 1998 and has 30 years of Alaskan experience in construction and big project management. He applies his experience to help solve your problems.

Kim Torp-Pedersen - joined us in 1997

and brings a computer based technical aptitude and is a strong advocate for you.

Tom Kyle - is a long time (1992) Alster guy who brings a business degree and several years of management experience to give his customer the help they need.

Steve Stouffer - is now the old timer (1986) and brings 20 years of customer advocacy to his customers. Together we have 60 total years of experience as Alster in the Pacific Northwest. Let us help you.

ACES October 2007

We will hold our 2007 ACES the first week of October at the following locations:

Salem, OR - Isaaquah, WA - Anchorage, AK

See you there!

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Steve Stouffer
PO Box 12428
Mill Creek, WA 98082

Phone: 800-365-1272
Fax: 425-379-2574
Email: steve@alster.com

**FIND US FAST
WWW.ALSTER.COM**