



## **Freespace Systems Introduces the first 1,000mW High Performance 802.11b/g Radio**

Freespace Systems enters the high performance 802.11 miniPCI radio market with the Valemount KXS30SG – the first full 1 Watt miniPCI radio module available worldwide. Freespace Systems and StarOS, both from Valemount Networks Corporation, are responsible for hundreds of thousands of successful wireless network deployments worldwide and recognized as a pioneer and the worldwide leader in wireless networking performance.

### **Hastings, Minnesota – June 27, 2008**

Freespace Systems, Inc. today introduces the Valemount KXS30SG, an FCC certified high performance 802.11b/g miniPCI radio module delivering 30dB (1,000mW) of power. Based on industry leading RF amplifier design technology developed for use in the WiMAX radio market, the KXS30SG is also capable of far greater power and performance as regulatory domain allowable.

"We're very excited to be the first to market with a radio platform as advanced as this" said Lonnie Nunweiler, Chief Technology Officer of Freespace Systems. "It will allow links to be created in underserved and disadvantaged areas where Internet and telephone service has not been possible before. We support programs delivering Internet and VoIP services in Africa and the KXS30SG radio will be a huge help in our efforts there."

The Valemount KXS30SG is totally platform and operating system independent and will integrate seamlessly anywhere the Atheros AR5414 chipset is supported. This includes popular operating systems such as StarOS and the freely available Linux MadWifi drivers utilized by many other wireless operating systems available.

The KXS30SG is the most advanced high performance radio of its type in both power and network performance design. The innovative power amplifier is specifically designed to minimize distortion at extremely high power levels thus preserving exceptionally high receive sensitivity across all modulation rates. Network performance features include full support for 5/10/20/40 MHz channel sizes, advanced QoS, as well as full Atheros XR and SuperG support which are all critical to wireless network performance. In addition, the KXS30SG implements advanced RF filtering and blocking for unsurpassed noise immunity, advanced rate control with enhanced error correction, and enhanced compression and fast frames to further improve overall network performance.

"With the KXS30SG, network operators and WISPs can now finally improve their ability to deliver real bandwidth at greater distances without the use of an external amplifier" said Mr. Nunweiler. "It's an effective tool for both long distance point to point and point to multipoint applications where high bandwidth delivery is a priority".

The KXS30SG is a type III miniPCI form factor radio with both u.fl and MMCX type connectors. It is available now for evaluation and ongoing volume purchases for WISPs, network integrators, and OEMs worldwide. The KXS30SG is available from our distribution partners Microcom Technologies, and Canada based Cue-Link, and their resellers worldwide.

For more information please contact George Miller at [gmler@freespace-systems.com](mailto:gmler@freespace-systems.com) or visit our website at [www.staros.com](http://www.staros.com).



### **About Freespace Systems**

Freespace Systems and StarOS, both from Valemount Networks Corporation, are recognized in the industry as the outdoor wireless performance leaders. Ours Works™.

Innovation and quality are paramount at Freespace Systems. Pioneers in the outdoor wireless networking industry, our vision of achievement is driven by over 20 years of highly successful direct wireless networking systems development experience, and hundreds of thousands of successful wireless network deployments globally; experience to know the difference between hype and effective technology. Our engineering team develops all RF drivers, operating systems, and electronics designs internally and works with the best engineers and manufacturers globally to produce products optimized for the highest network performance possible.

Freespace provides complete wireless networking solutions including the StarOS operating system and high performance radios, and mesh, point to multipoint, and point to point systems to satisfy every network deployment need.

### **ABOUT MICROCOM TECHNOLOGIES**

Microcom Technologies is a stocking, wholesale distributor specializing in the wireless networking industry. They cater to resellers offering them a virtual one stop shop of a broad selection of wireless products in addition to excellent support and advantageous purchase terms. This versatility in their product offerings, combined with their commitment to uncompromising customer service, enables their clients to get the wireless components they need, the on-time delivery and support they deserve, and the savings they've always wanted. Contact David Golob at [sales@microcomtec.com](mailto:sales@microcomtec.com) for further information. Visit Microcom Technologies at [http://www.microcomtec.com/product\\_valemount.html](http://www.microcomtec.com/product_valemount.html)

### **ABOUT CUE-LINK**

Cue-Link is a stocking distributor of the complete line of products from Freespace Systems. They offer a simple and convenient way to purchase StarOS endorsed WISP equipment, while providing the fastest processing and shipping possible. Contact Ken Karol at [cuelink@gmail.com](mailto:cuelink@gmail.com) for further information. Visit Cue-Link at <http://www.cue-link.com>