



News Release

Wavestream Introduces 400W C-Band Solid State Power Amplifiers

Indoor and Outdoor Products Target Satellite Broadcast Market

San Dimas, California, March 14, 2011 – Wavestream has introduced new indoor and outdoor PowerStream® 400W C-band solid state power amplifiers that are plug and play replacements for traditional unlinearized 750W Traveling Wave Tube Amplifier (TWTA) products used in satellite communications, teleport and satellite news gathering systems. The new PowerStream 454C-i and 454C-o products complement Wavestream's 600W C-band product family, and provide a lower power, cost effective solid state solution to support applications where larger antennas or more powerful satellites are used.

"Wavestream continues to expand its product portfolio to meet the demand for high power solid state amplifiers that offer integrators a convenient, form/fit/function upgrade path to replace aging TWTA technologies," stated Cliff Cooke, president and chief executive officer of Wavestream. "Our new PowerStream 400W C-band products provide the power and performance needed to support broadcast satellite operations, while creating dramatic cost savings via improved efficiency, reduced energy consumption and the elimination of expensive system redesigns and downtime."

The PowerStream product family incorporates Wavestream's field-proven, next generation Spatial Power Advantage™ technology to provide high output power and greater efficiency. When used in a redundant configuration, PowerStream products draw less power than 750W unlinearized TWT system solutions and require no warm up time, helping improve reliability and reduce lifecycle maintenance costs.

The PowerStream 454C-i is a 400W indoor unit suitable for mobile and fixed rack-mount satellite communications systems. The PowerStream 454C-i includes an easy-to-view front panel display screen and quick-touch function keys for convenient access to a variety of system status data, including power, temperature, fault, and local/remote information.

Wavestream's PowerStream 454C-o is an outdoor 400W C-band amplifier that can be mounted close to the antenna to significantly reduce waveguide loss. The PowerStream 454C-o is ruggedized to withstand harsh environments, and can be easily controlled from a Redundancy Controller or an operator's computer, providing convenient, indoor desktop access to power, temperature and status information.

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Optional 1:1 Redundancy Kits are available to insure uninterrupted, reliable transmissions and accommodate a variety of customer mounting and power level requirements. For indoor data centers, customers can easily install Wavestream's Redundancy Kit into an existing cabinet or rack configuration without the need for additional space or system redesign.

About Wavestream

Wavestream designs and manufactures next generation solid-state power amplifiers for mission-critical defense and broadcast satellite communications systems. The company's innovative, patented Spatial Power Advantage technology provides higher output power, greater reliability and lower energy usage in more compact packages than traditional amplifier solutions. Wavestream's proven family of products meet the growing demand for greater efficiency and significant lifecycle cost reductions for satellite communications systems worldwide.

For more information, please visit the company's web site at www.wavestream.com

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