

Wavestream's C-Band Solid State Amplifier

Ready for Its Close Up

Live Satellite Link Demonstration at Starz Entertainment



In a situation akin to a Hollywood close-up, Starz Entertainment's Englewood, Colorado facility was the backdrop to the successful live demonstration over satellite link of Wavestream's PowerStream® 757C-i 600W C-Band Solid State Power Amplifier (SSPA). During the November 2010 meeting of the Rocky Mountain Chapter of the SSPI (Society of Satellite Professionals International),

Wavestream's 600W C-band product was used in a typical live broadcast environment to illustrate how next generation SSPA technology provides powerful, reliable form, fit and function capabilities to replace traditional TWTAs.

Starz Entertainment installed the 600W indoor C-band product and successfully transmitted live video, audio, and data utilizing a 9 meter dish during the SSPI Chapter meeting. The demonstration also included groundbreaking wideband digital transmission with up to 32APSK modulation, showcasing the highly efficient and linear Wavestream SSPA capabilities.

Meetings such as this are important venues to help the broadcast industry keep abreast of technology changes that can deliver the highest quality entertainment at the lowest cost. The Colorado meeting provided an excellent opportunity to not only hear about innovative new technology, but see it demonstrated live in a working teleport environment.

Wavestream's patented spatial power combining technology enables higher output powers from smaller packages with greater efficiency, reliability and maintainability. This results in significantly reduced lifecycle costs over traditional tube technology, and in many cases, over other SSPA implementations. Wavestream's indoor PowerStream C-band product is designed as a high performance, cost effective, form/fit/function replacement to many existing TWTAs.

Wavestream worked closely with Starz to show attending SSPI broadcast operators a new solid state power amplifier technology operating live in a typical broadcast environment. According to Colin Boyd, Wavestream's vice president of Broadcast Sales, "Wavestream's spatial power combining technology provides a way to integrate a powerful new amplifier alternative to help broadcast sites improve performance and functionality, and reduce operational, energy and lifecycle maintenance costs."



Boyd continued, “The live demonstration of Wavestream’s C-band amplifier allowed operators to experience first-hand how new amplifier design techniques offer a variety of performance and cost-saving benefits. As operators begin upgrading systems to accommodate changing satellite communications technologies and the increasing demand for bandwidth, SSPAs are increasingly becoming the more reliable, efficient amplifier alternative to consumable TWTAs.”

Power. Performance. Reliability. Savings. Count on Wavestream to deliver.

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