



PRESS RELEASE

SPACEPATH EXTENDS OUTDOOR AMPLIFIER RANGE WITH COMPACT, 1.5 kW C-BAND GaN BUC/SSPA

1.5 kW Solid-State Power Amplifier Added to SpacePath Portfolio for Retrofitting Indoor TWT Amplifiers

22 May, 2025 – SpacePath Communications, a division of ETL Systems, that provides high-performance satellite uplink amplifiers for the global SATCOM market, has introduced its highest power standalone C-band BUC/SSPA utilising the latest Gallium Nitride (GaN) technology.

The powerful outdoor SSPA is suited for replacing aging indoor TWTAs, enabling service providers to eliminate long waveguide runs by installing high-power amplifiers closer to the antenna. The solid-state amplifier's compact size and power capacity makes it ideal for operators to free-up valuable indoor rack space. An indoor rack mount version is also available that is only 8RU high, making this device significantly smaller than older generations of TWTAs.

The GaN BUC/SSPA delivers 1.5 kW Psat within a small form-factor, weighing just 56kg, and boasts high thermal efficiency with a mean time between failure (MTBF) rating designed for mission-critical applications, where reliability is essential. Additional features include best-in-class RF performance, RF sample port, true RMS power measurements and flexible monitor/control capabilities.

Colin Bolton, director of business development, SpacePath Communications, said: "The 1.5 kW amplifier enables operators to replace their indoor amplifiers and benefit from the high power and performance of solid-state technology, while saving significant prime power and freeing up space. The reliability of GaN-based amplifiers also delivers a lifetime of exceptional performance together with lower capital and operating expense."

SpacePath's high performance uplink amplifiers cover all mission-critical segments including high-throughput satellite (HTS), mobile satellite, fixed-earth stations and military satellite communications.



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Note to editors

Caption reads: SpacePath Outdoor 1.5kW GaN BUC/SSPA

About SpacePath Communications

SpacePath Communications, a division of ETL Systems, specialises in high-performance uplink amplifiers and RF power solutions for mission-critical SATCOM applications. Its portfolio includes Travelling Wave Tube Amplifiers (TWTA), Solid-State Power Amplifiers (SSPA), redundant system controllers, and sub-systems—delivering reliable, high-power amplification to satellite operators, system integrators, and defence organisations worldwide.

Renowned for its customer-led product innovation and backed by comprehensive service and support, SpacePath is a trusted provider for system vendors across the global SATCOM market. As part of ETL Systems, a world leader in RF signal distribution, SpacePath expands its capabilities, offering end-to-end solutions across the RF chain.

For further information, visit: www.space-path.com

Media contact for SpacePath Communications.

Neville Rawlings, Media Consultant

+44 7813 670308

neville_rawlings@btinternet.com

