Press Release

Teledyne Paradise Announces Innovative New SSPA: A Dual Band SSPA that Offers Lower Cost, Higher Reliability for Satellite Command & Control

Covering both L and S-bands, the SSPA is the ideal solution for Tracking, Telemetry, and Control applications with benefits far superior to aging klystron platforms

STATE COLLEGE, PA – Feb. 19, 2020 – Teledyne Paradise Datacom (Paradise), part of the Teledyne Defense Electronics Group, today announced the wide availability of a new, leading edge L- and S-Dual Band solid state power amplifier (SSPA) for today's evolving satellite command systems.

Both S- and L-band frequencies have been the industry's bands of choice for positioning and tracking applications like global positioning systems (GPS) and Tracking, Telemetry, and Control (TTC) ground stations. This new dual band product offers customers a virtual "'two for the price of one" SSPA solution that dramatically lowers the costs of command and control, leaves a much smaller footprint, but also delivers higher reliability compared to traditional klystron power amplifiers. Download the Product Overview.

For more information, visit **Teledyne booth #708** at the Satellite 2020 show in Washington, DC March 9-12.

"Smaller satellites and new deployment technology are reducing satellite launch costs, and the number of satellites in-orbit is increasing dramatically. This is increasing the demands on operators performing station keeping, and the need for reliable command and control systems," said Mike Towner, Senior Director of Sales and Marketing. "The introduction of the industry's first outdoor dual band SSPA gives the flexibility of a single amplifier covering both bands, and the reliability and reduced maintenance costs that come with a solid state solution."

An ideal fit for both Military and Commercial command and control environments, the L/S-band SSPA provides the high reliability of solid state technology required to support critical communications between the earth and satellites, in a rugged outdoor-rated enclosure.

Compared to older vacuum-based technology, the enhanced reliability and ease-of-use gives operators the opportunity to support command and control facilities with non- or semi-technical staff. In instances where modular solid-state deployments with n+1 redundancy are used, it is often even possible to benefit from unmanned or remotely manned uplinks.

The L/S Dual Band SSPA is available in two power levels, both of which are housed in rugged, outdoor-rated enclosures. Power levels up to 800W are available in the High Power Outdoor SSPA package, part number HPAS2800GHXXXXXG, and up to 400W in the Compact Outdoor SSPA enclosure, part number HPAS2400GCXXXXXG. Both units are available covering sub-band "G" (1.75 to 2.12 GHz).

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About Teledyne Paradise Datacom
Teledyne Paradise Datacom designs, manufactures and sells satellite modems, solid state power amplifiers (SSPA), low noise amplifiers (LNA), block up converters (BUC) and associated redundancy subsystems. We deliver satellite communications products around the world and have unparalleled experience in satellite communications products. At Paradise, we focus on creating significant product differentiators and innovative architectures in order to make ourselves the supplier of choice in the satcom industry. www/paradisedata.com.

About Teledyne Defense Electronics
Serving Defense, Space and Commercial sectors worldwide, Teledyne Defense Electronics offers a comprehensive portfolio of highly engineered solutions that meet your most demanding requirements in the harshest environments. Manufacturing both custom and off-the-shelf product offerings, our diverse product lines meet emerging needs for key applications for avionics,

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