



ACROAMATICS
TELEMETRY SYSTEMS

NEWS RELEASE

FOR IMMEDIATE RELEASE

GDP Space Systems Announces New Integrated 70MHz Test Modulator Function with Telemetry Receiver Product Line

(Horsham, PA) November 2020 – In addition to GDP Space Systems' unique 4-Input Diversity Combiner Function and our Ethernet Outputs supporting IRIG 218-20, IRIG 106 Chapter 7 / Chapter 10, and IRIG 106-17 Appendix 2G Best Source Selection (DQE), the Model 4426 Digital RF Telemetry Receiver product line is now available with an internal 70MHz Test Modulator Output function!

This new function allows the loop-back testing of PCM/FM, BPSK, QPSK & SOQPSK. Internal simulated data, available in the unit, includes PRN 11, PRN 15 (Pseudorandom Patterns) as well as the ability to generate and send an IRIG 106 Chapter 4 PCM Minor Frame test stream with programmable Frame Sync pattern and a programmable Minor Frame length. The simulator also generates Viterbi, Reed-Solomon, LDPC, and Forward Error Correction (FEC).

The receiver can also provide Bit Error Rate Performance measurement as well as Frame Sync lock performance measurement, utilizing its built-in BERT and Frame Sync pattern detectors with programmable Search / Check / Lock and Flywheel parameters. This performance testing can be performed on both live and loop-back simulated data, all in the same box.

The Model 4426 offers unmatched performance, features, and functionality all contained in a single unit. If available at all, this level of functionality would normally require multiple boxes from other receiver vendors. Additionally, the Model 4426 is implemented totally with secure FPGA technology. It is designed as an appliance and is not built around a Personal Computer which has a cumbersome Operating System with corresponding security and performance issues.

About GDP Space Systems

For nearly 50 years, GDP Space Systems has been a leading supplier of ground-based aerospace telemetry products and systems. GDP Space Systems' reliable, innovative products, systems, and software offer unparalleled performance and superior functionality, which has been proven in real-life testing by customers. GDP products are in use at satellite ground terminals, telemetry ranges, and testing facilities worldwide. For more information visit www.gdp.space.com, follow [@Delta_Info_Sys](https://twitter.com/Delta_Info_Sys) on Twitter, or contact Cassandra Lang at clang@delta-info.com

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