

News Release

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Versatile Septentrio GNSS platform provides early L2C tracking capability

Leuven, Belgium – Septentrio, a leading European developer of high-end GNSS receivers, is showing an early receiver implementation of the new civil GPS signal on L2 at the Institute of Navigation (IoN) show in Portland, Oregon this week.

Based on the technology used for its commercial line of high-end multi-signal satellite navigation receivers, PolaRx2, Septentrio has built a versatile extension platform that allows fast implementation of new satellite navigation signals. This platform is built with an FPGA and is integrated with Septentrio's PolaRx2 receiver building blocks, combining flexibility with re-use of proven technology. The architecture not only allows fast implementation of tracking and decoding of new signals, but also simplifies evolution to integrated solutions with existing GPS/ SBAS receivers.

"The Septentrio prototype receiver is one of the very first platforms we have seen capable of tracking the L2C signals", said John Pottle, Marketing Director at Spirent Communications. "Connecting the Septentrio receiver to Spirent's new L2C simulator proved straightforward, and it was good to see the Septentrio platform tracking the simulated L2C signal. Septentrio's platform performed well in the tests and Spirent was able to verify the functionality and performance of the simulator with a L2C receiver."

"Receiving many different GNSS signals to enhance accuracy and integrity is a strategic asset in the products Septentrio brings to the market", noted Peter Grogard, CEO of Septentrio. "This early demonstration of the capability to handle the L2C signal illustrates that the Septentrio platform has the required flexibility and power to continue to incorporate all available signals quickly. This is particularly important at this moment when various new satellite navigation frequencies and codes are being developed across the world."

Septentrio will give a number of demonstrations of L2C, connecting the Spirent L2C simulator to Septentrio's L2C receiver at the Institute of Navigation (IoN) show in Portland, Oregon this week.

Septentrio Satellite Navigation NV designs, manufactures, markets, and supports high-end dual-frequency OEM GPS/GNSS receivers for demanding professional navigation, positioning and timing applications. For more information, please visit our website at www.septentrio.com.