



## Your Trusted Partner in Test & Evaluation for Assured PNT Systems

### Our Mission

We understand that state-of-the-art PNT test solutions are critical to national defense, so we've made it our mission to pioneer market-leading capabilities. Our innovative test solutions ensure the reliability, accuracy, and robustness of PNT systems for the U.S. government and warfighters.

### We Accelerate Your Mission Readiness

With Spirent Federal, you get faster development cycles with less time and resources. **From NAVWAR to launch vehicles to complementary PNT,** we empower our customers with advanced tools that make it easy to test your PNT designs with complex mission-representative environments and rapidly field new capabilities.

### We partner with customers from pre-silicon to system of systems:



#### CHIPS

Advanced chipsets, FPGAs, and secure ASICs



#### EMBEDDED HW

Subassemblies including radios, SDRs, and encrypted devices



#### RECEIVERS

Next-generation receivers, including new signals, multi-GNSS, and Alt PNT



#### MISSION SYSTEMS

Complex weapon systems and navigation suites, combining GPS, inertial, sensor fusion, and more

We proudly support mission-critical programs across sea, land, air, and space domains.



### CUSTOMER

## TESTIMONIAL

"We want to be prepared to meet the technical demands of an ever-changing threat environment, and we need to be certain our receivers are prepared for the fight the first time, every time. We put our receivers through the paces by running them through thousands of trials on our Spirent simulators to validate and verify our performance under the most demanding scenarios."

SHAUN ELHARD, BAE SYSTEMS

## Product Overview



### PNT X Simulation System

- Most comprehensive, flexible simulator for all-domain PNT testing
- Designed for the rapidly-evolving complexity of NAVWAR threat vectors
- Full suite of restricted military signals
- Scalable CRPA testing
- Complementary PNT



### PNT Xe

- Easy-to-use, economical desktop simulator
- AES M-Code capable
- Shortens learning curve
- Facilitates agile testing
- In-field spoofing threat representation



### GSS6450 Record & Playback

- Record live-sky signals for playback & testing in the lab
- High dynamic range for interference recording
- Record complementary PNT alongside GNSS

## Conducted at Desk or in Lab

PNT X Simulation System



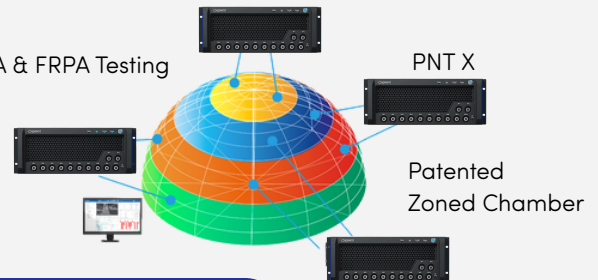
PNT Xe



16-element CRPA Test System

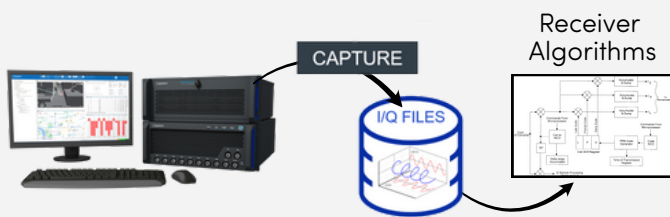
## Radiated in Anechoic Chamber

CRPA & FRPA Testing



Patented  
Zoned Chamber

## Spirent Federal Test Methodologies



### Digital Testing for Software-defined Receivers



### Synchronized Live-sky & Emulated Signals

## Our Expertise

With decades of expertise in PNT, our engineers can help you achieve project milestones and deliver dominant technology to protect warfighters and our nation.

Contact us today to learn how we can partner with you.



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