REVOLUTIONIZING THE WAY YOU WORK WITH PNT

Experts, committed to creating innovative solutions for PNT system performance, GNSS simulation and threat mitigation for NAVWAR applications.

POSITION, NAVIGATION + TIMING

GNSS SOFTWARE + SYSTEMS

HARDWARE + INTEGRATION

BROADSIM

A scalable software-defined platform used for GNSS and Jamming simulation, and allowing for simultaneous interference and multi-constellation signal generation. Intuitive control using Skydell’s SDX.

ORIGINAL (4U)

Rack-mounted 4U box leveraging 4 RF outputs.

- Designed for Jamming and Spoofing
- High-end power and performance
- Simulate hundreds of satellites in real-time
- Simulate all constellations, codes simultaneously
- Differential GNSS and multi-vehicle simulation
- Comprehensive and intuitive API
- Flexible licensing and upgradability

WAVEFRONT

- Software-defined CRPA simulation
- Scalable from 4 to 16 elements
- Phase coherent to <1°1-sigma
- Real-time automated calibration
- Supports jamming and spoofing

ANECHOIC

- Up to 32 RF Outputs
- 16 Dual Frequency Antennas
- Automatic Antenna Mapping
- Automatic Time Delay Calibration
- Automatic Power Loss Calibration

SIMULTANEOUSLY SIMULATE:


GPS ENCRYPTED CODES  L1Y, L2Y, L1M, L2M, MNSA

GLONASS  G1, G2

GALILEO  E1, E5a, E5b

BEIDOU  B1, B2

SBAS  L1, L5

JAMMING
THREATBLOCKER
JAMMING + SPOOFING DATA, DETECTION AND PROTECTION

- Provides jamming + spoofing data, detection and protection
- L1/L2 jamming detection and Anti-Jam (AJ) capabilities
- Enables operations in GPS-disrupted environments
- In-line solution, configurable to meet your requirements

- LED Status indicators for real-time awareness
- Intuitive Web UI for viewing real-time and historical data

BROADSHEILD
JAMMING + SPOOFING DETECTION IN YOUR DEVICE

We integrate our jamming and spoofing detection software into your hardware platform to assure the PNT of your product.

BROADSENSE
JAMMING + SPOOFING SENSOR

A low SWaP jamming and spoofing detection sensor, utilizing a sophisticated GNSS receiver, integrated antenna and patented algorithms for real-time awareness.

PANACEA
PNT TESTING SIMPLIFIED

An autonomous PNT performance and vulnerability test suite. Simultaneously test up to 32 receivers, simulate multiple constellations, produce a time sync'd live sky test environment and output standardized data for easy post-test analysis.

PANORAMA
MAKE DECISIONS, NOT PLOTS

An easy analysis tool that visualizes receiver data collected by PANACEA and RxStudio. Maximize your time by analyzing plots and making decisions, instead of tediously formatting data.

VALIANT 153M
MGUE RX TEST FIXTURE

A breakout card enabling users to easily power, communicate and control GB-GRAM / GB-GRAM-M receivers. All I/O pins are broken out to the test fixture. Integrated COTS receiver for simultaneous comparison/verification testing.

RXSTUDIO
100+ RECEIVERS - ONE FORMAT

Real-time GNSS receiver data collection, control and display. Supports a growing list of receiver protocols, multiple serial interfaces and Ethernet communication from over 100 receiver manufacturers.

www.talen-x.com