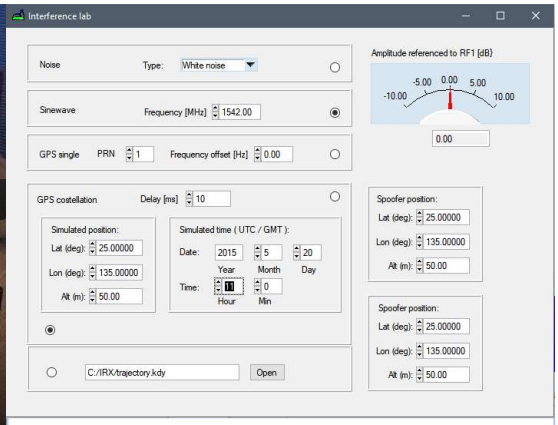
The Ninja™ GNSS RF simulator and Interference Lab



The enclosure may be different from one depicted here.

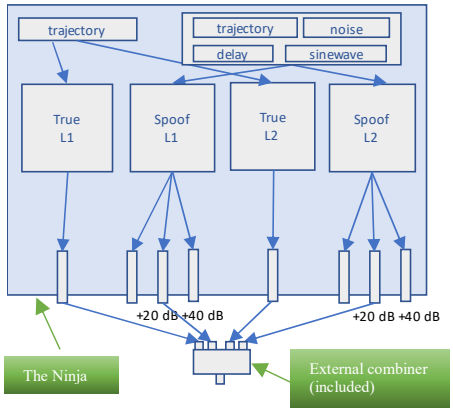
Overview

The Ninja ™ is GNSS RF simulator with advanced capabilities to simulate various interference and spoofing events. Interference signals are available for dual GNSS system or frequency signal as a noise, single harmonic, spoofing GNSS signal and meaconing signal with 60 dB power range achievable in in three steps.

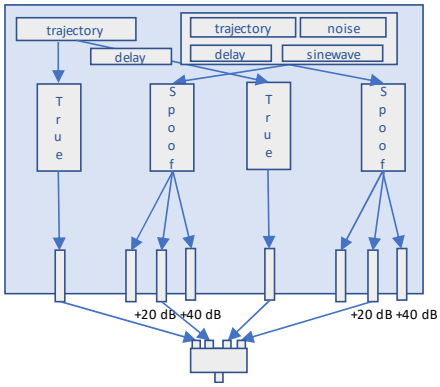
The Ninja has all features of high-end GNSS RF simulator and can be also used to facilitate differential GNSS, LAAS, reflectometry, multipath research, to simulate channel separated satellites for echo chambers by allowing external user-defined channel fading.

The Ninja also allows to add simulated spoofers to played back pre-recorded live GNSS signals.

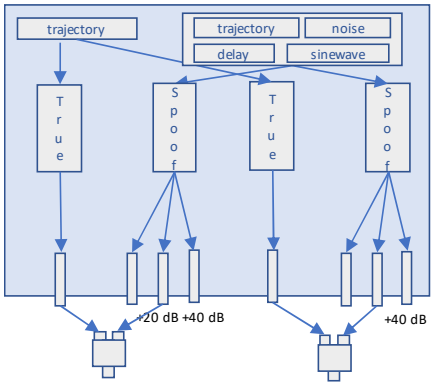
Test scenarios



Simulates signals on two central frequencies for a single DUT antenna, including true GNSS (20 dB range) and a single spoofer (60 dB range).



Simulates signals on a single central frequency for a single DUT antenna, including true GNSS (20 dB range) , up to two spoofers (60 dB range) and one meaconing.



Simulates signals on a single central frequency for two DUT antennas, including true GNSS (20 dB range) and a spoofer (60 dB range).

Additional products

ANSI C "Model" API allows to modify existing or implement custom simulation models.

PORTOS GNSS RF recorder allows to record live GNSS signals, which can be played back by the Ninja.

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