Data Sheet

SimMNSA

Simulating M-Code

About MNSA

The Modernized Navstar Security Algorithm, or MNSA, introduces updated cryptography to the GPS signal for the generation of M-code, which is being rolled out as part of the modernization of the current GPS constellation. GPS Modernization began in 2000 when the Selective Availability (SA) feature was set to zero.

Since 1985 Spirent has played a leading role in the evolution of global navigation satellite systems. From the early days of signal generation Spirent has a rich history of innovation that continues with SimMNSA. For more information contact your Spirent sales representative or visit spirentfederal.com

SALES AND INFORMATION

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Solution Overview

Until now, AES and SDS have been the only methods authorized for GPS M-Code simulation. SimMNSA implements the Modernized Navstar Security Architecture (MNSA), taking the next step in GPS signal modernization. SimMNSA continues Spirent's history of constant innovation, and being at the forefront of developing new GPS/GNSS signals as they become available.

Key Features

- Supports simple key & fly scenarios for straightforward receiver integration
- Supports advanced functions for receiver developers
- Allows greater flexibility and control for scenarios than SDS
- No additional hardware for simultaneous Y-code support
- Available to authorized users of the Spirent GSS9000 series simulators

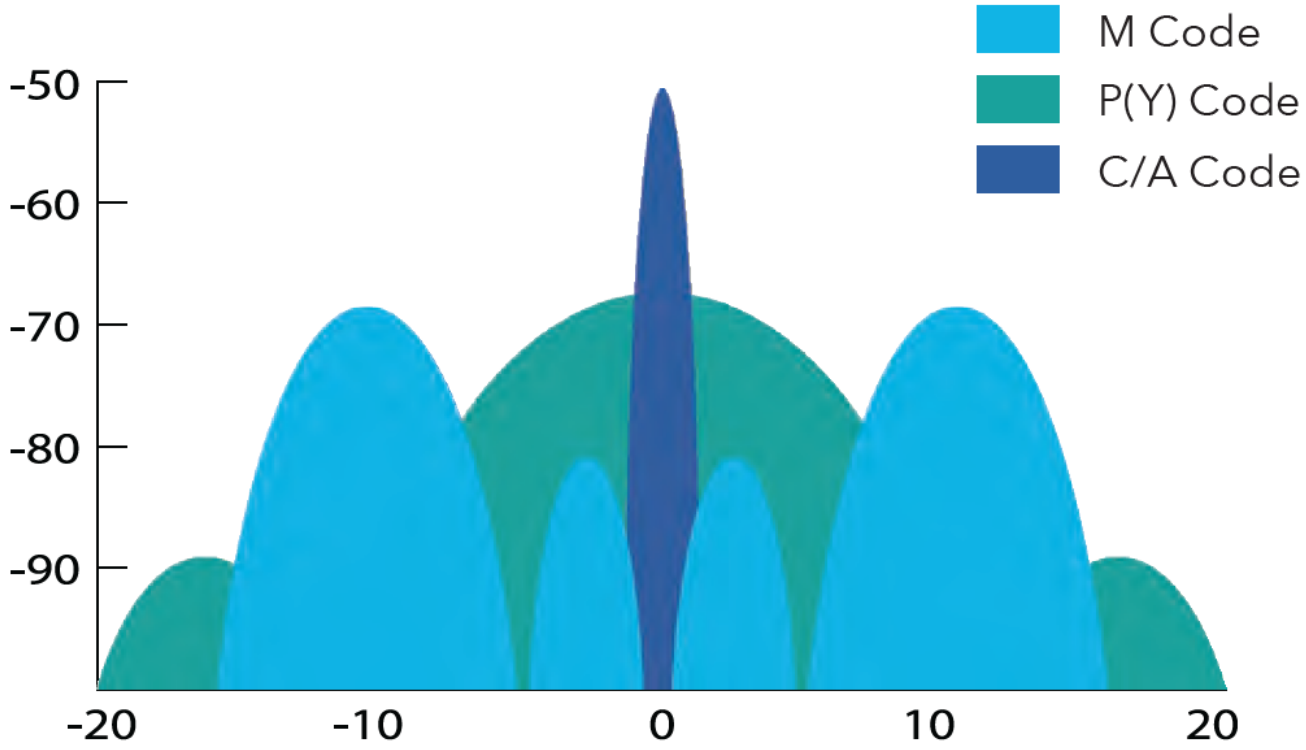
The Spirent GSS9000 Series Constellation Simulator

SimMNSA has been granted Security Approval by the Global Positioning Systems Directorate

SimMNSA and the GSS9000

SimMNSA is offered as an upgrade to the GSS9000 series of simulators. Authorized users can utilize the new M-Code solution in the world's most flexible and scalable GPS/GNSS simulator, the GSS9000.

The GSS9000 Multi-Frequency, Multi-GNSS RF Constellation Simulator sets a new standard of excellence in GPS/GNSS RF simulation and performance testing. The GSS9000 is continually being developed to be at the forefront of simulating new GPS/GNSS signals as they become available.



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