

Constellations

- GPS
- GLONASS
- Galileo
- BeiDou
- IRNSS
- QZSS
- SBAS

Frequencies

- 1539-1627 MHz (L1/E1/B1/SAR)
- 1167-1255 MHz (L2/L2C)
- 1146-1234 MHz (L5/E5/B2)
- 1215-1303 MHz (E6/B3)

RF Signals

- Up to 64 signals on one RF output
- -65 to -160 dBm
- Connected or radiated
- ± 1 dB accuracy
- 0.1 dB resolution
- White noise generation

Navigation Data

- Ready-to-go built in data
- Downloadable Rinex file from internet or "live" GPS receiver
- Editable to simulate errors
- Full control of the nav bits

Interfaces

- LAN
- GPIB
- USB
- SCPI command set
- Web browser GUI
- Stand-alone front panel controls

Scenario Data

- Date/Time
- Duration - unlimited
- Position
- Atmospheric models
- Antenna models
- Trajectories
 - NMEA data
 - Google maps interface
 - 6DOF via RSG trajectory
 - Kepler orbits
 - High velocity motions
- Events

Synchronization Allows for Multi-Unit Configurations

Managed by GSG StudioView Windows Software

Configurations

- Signal generator
- 4-16 channel single frequency
- 32-64 channel multi-frequency
- Multi-unit configuration for 128, 256, Signals

Timing Functions

- High quality internal oscillator
- Sync to external clock via 10 MHz input
- Sync date/time via NTP
- Sync other equipment via trigger
- 10 MHz output
- 1/10/100/1000 PPS output

Impairment Signals

- Interference
- Jamming
- Multi-path

Advanced Applications

Testing

- RTK
- CRPA
- HIL
- PPP
- A-GNSS
- Spoofing

Infrastructure

- Intelligent Repeater