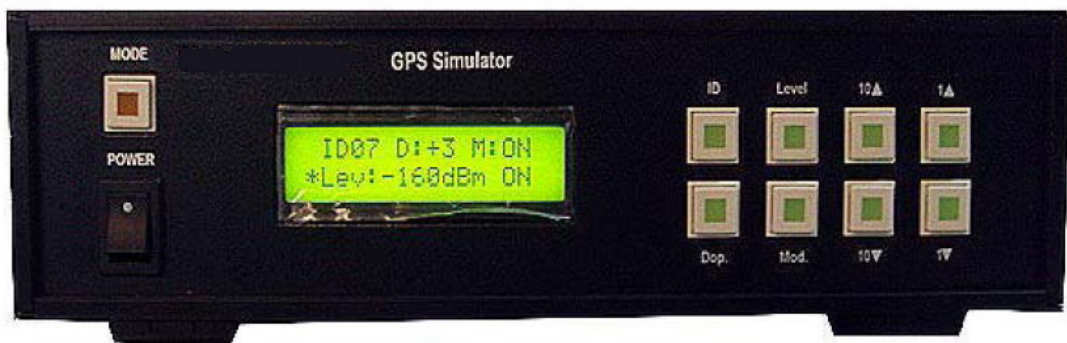


GPS Satellite Simulator

GPS-550



Overview

- **GPS-550** is a GPS signal generator designed for generating a simulation signal of GPS satellite .
- Low cost and high performs.
- Production test sensitivity tests of GPS satellite.
- GPS R&D optimizing tracking tests.
- Verify operational integrity of GPS receivers
- Adjustable RF levels from -60 dBm to -160 dBm in 1 dB steps
- Doppler control allows the operator to select a positive or negative carrier frequency shift of approximately 3 kHz
- GPS navigation function tests.
- Small size and easy to operation.



GPS Satellite Simulator

GPS-550

Specification

Frequency	L1, @1575.42 MHz
Oscillators	OCXO
C/A Code	1.023 MHz, 1023 bit gold code
Frequency Accuracy	Less than 1×10^{-9} per day
Number of channel	Single channel
Modulation	BPSK
Navigation Data rate	50 bps
Doppler	0,-3,+3 kHz
Simulated signals	SV 1~32 selectable
RF power Level	-60~-160dBm
Power Resolution	1dB
Power Accuracy	-60~-100dBm < 0.5dB -101~-160dBm < 1.0dB
Harmonics	<-40dBc
Control / Remote Control	Manual / RS232
Supply Voltage	AC 110~240V