

Designed for in-building testing

## DUAL BAND RECEIVER AMPS and PCS, or GSM and DCS

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### features

- Handheld (approximately 1.3 lbs)
- Battery operated
- 0° to 50°C operating range
- Affordable
- +/- 1.5 dB measurement error

### description

The Model 5500 is a handheld signal strength receiver designed for measuring CW signals from -20 to -110dBm. The signal strength and frequency are displayed on a backlit LCD for easy monitoring. A simple keypad on the front panel allows the user to change frequency, switch bands, or turn on the backlight. Internal rechargeable NiMH batteries provide power for 4 to 5 hours of operation.

The receiver can also be controlled via an RS232 serial port on a PC or terminal. RxScan, Windows™ based software is provided with the receiver to add scanning capability. After installing this software on a laptop or other PC, the user can scan selected frequencies or entire bands. Signal strength data can be displayed or logged in a Microsoft® Excel spreadsheet for analysis.

When used with the companion model 5700 Dual Band Transmitter, the 5500 Receiver is an ideal tool for making path loss measurements.

Also supplied is an AC/DC adapter for charging the NiMH batteries, 2 antennas, and a programming cable.



### typical specifications

#### AMPS/PCS configuration:

- 824 – 894MHz in 10kHz or 30kHz steps
- 1930 – 1990MHz in 30 or 100kHz steps
- Dynamic range -20 to -110 dBm
- + / - 1.5 dB accuracy across a band
- Serial port control and data logging
- Battery operated, 4-5 hours of operation
- Backlit LCD display with low battery indicator

#### GSM/DCS configuration:

- 925 – 960 MHz in 10kHz steps
- 1805 – 1880 MHz in 30 or 100kHz steps



### Dual Band Testing System

The 5500 Receiver and 5700 Transmitter are available separately or as a system. The Dual Band Test Set includes the receiver and transmitter as well as an inline attenuator for calibrating the transmitter to the receiver. The set is packaged in a foam-lined case suitable for use as a shipping container.