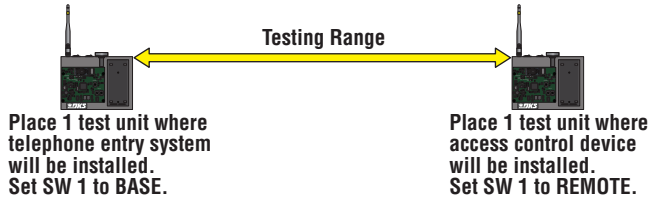
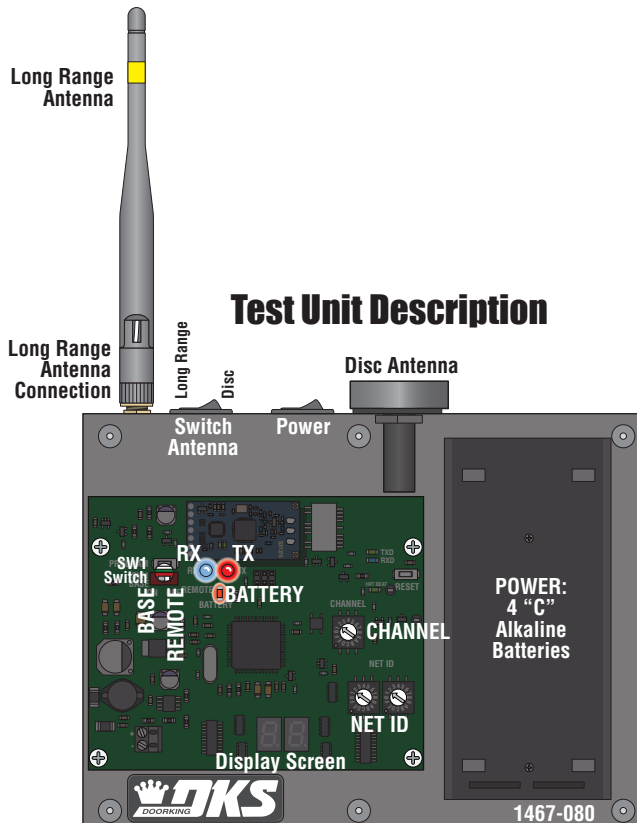


# 900 MHz WIRELESS TEST RANGE KIT



The DoorKing Wireless Test Range Kit allows easy testing of a wireless signal between a DKS telephone entry system location (Models 1833, 1835, 1837 and 1838) and DKS access control device locations such as a card readers, keypads, etc. in their desired positions **BEFORE** they are installed, making sure the DKS entry systems have a good signal to communicate successfully in their desired positions.

The test kit units can also be used to measure the wireless signal between a new access control device to be installed with an existing telephone entry system that has already been installed.



## Test Unit Description

### Switch Antenna Setting

Set switch to the **LEFT** for the **Long Range** antenna. Up to 1000 ft.  
Set switch to the **RIGHT** for the **Disc** antenna. Up to 200 ft.

### SW 1 Switch Setting

**Base**  Set switch to the **LEFT** to act like the **BASE** unit.  
**Remote**  Set switch to the **RIGHT** to act like the **REMOTE** unit.

### RX and TX LEDs

**RX (Blue)** - lights up when signal is **received**.

**TX (Green)** - lights up when signal is **transmitted**.

Note: TX LED will flash transmitting a signal when set as a BASE unit.

### Display Screen

When power is first turned on, battery level will be displayed for a few seconds in volts. Red BATTERY LED will light up when battery level is getting low. **Note: Keep power turned OFF when unit is not in use to conserve battery life.**

Signal strength will be displayed for 2 seconds every time a signal is received from board being tested.

**80** or less is **GOOD** (target 74-76 or lower)

**81-85** is **QUESTIONABLE**

**86-99** is **UNRELIABLE**

### CHANNEL and NET ID Settings

**IMPORTANT:** Set **CHANNEL** and **NET ID** to same settings on test units.

Cycle power to unit after settings have been changed on each test unit.

## Test Units Start-Up

1. Set one test unit SW 1 switch to BASE and the other to REMOTE.
2. Choose antenna switch setting for each test unit - disc antenna or long range antenna.
3. **IMPORTANT:** Set CHANNEL and NET ID to same settings as the DKS system being tested for each test unit.  
Cycle power to test units after settings have been changed.
4. Turn Power ON units.
5. Signal strength will be displayed on screens. Move test units around if necessary to **achieve LED display of less than 79 (Optimal)**.

**TEST SIGNAL Note:** **DO NOT** power up any other wireless devices on the **SAME** Channel or NET ID that is not being tested or LED display signal may **NOT** be accurate.

**Long Range Antenna Note:** Locate antenna 12-15ft above ground to prevent vehicles (trucks, buses etc.) from interfering with wireless signal.