# NEO – Wireless Placement Test

NEO HS2016 / HS2032 / HS2064 / HS2128 v1.3+

The NEO panel has a feature that allow you to test the wireless signal strength for each PowerG device. In Section [904] - Wireless Placement Test, you can test the signal strength of the zones, repeaters, sirens, wireless keyfobs, and wireless keypads. From any full display keypad (LCD / TCHP) the signal strengths will be referenced on a STRONG, GOOD or POOR scale.

[904] Wireless Placement Test	
	{001 - 128} - Placement Test - Zone 1 - 128
	{521 - 528} - Placement Test - Repeaters 1 - 8
	{551 - 566} - Placement Test - Sirens 1 - 16
	{601 - 632} - Placement Test - Wireless Keybobs 1 - 32
	{701 - 716} - Placement Test - Wireless Keypads 1 - 16

This Wireless Placement Test will provide the current signal strength (Now:) and the average signal strength of the device over the last 24 hour time period (24Hr:).
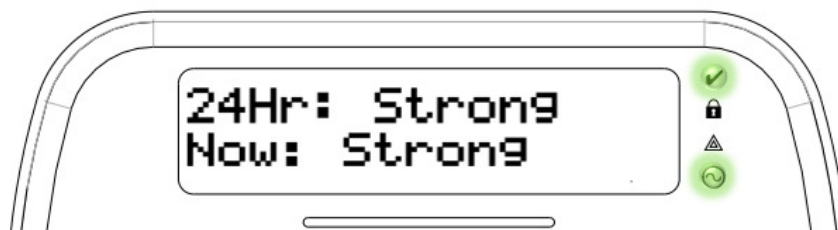
➤ **Tech Tip:** It is recommended to test the signal strength of each PowerG device to ensure the signal strength is adequate. Preferably STRONG.

➤ **Tech Tip:** If the signal strength is not adequate, try changing the position or location of the device and/or transceiver; or add a PG9920 repeater to help achieve the desired signal strength.

➤ **Tech Tip:** The signal strength for the current and the 24 hour average hopefully match. If they do not match, it should be determined what is causing the difference.
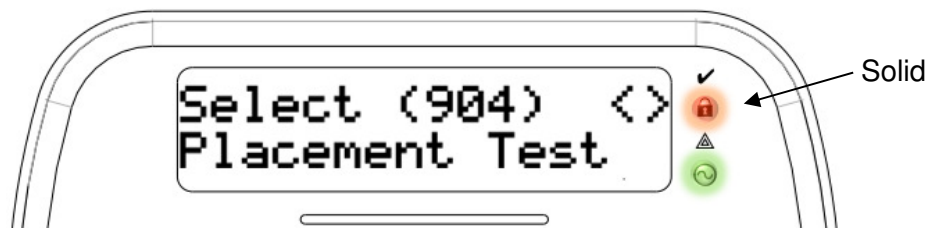
NEO – Wireless Placement Test
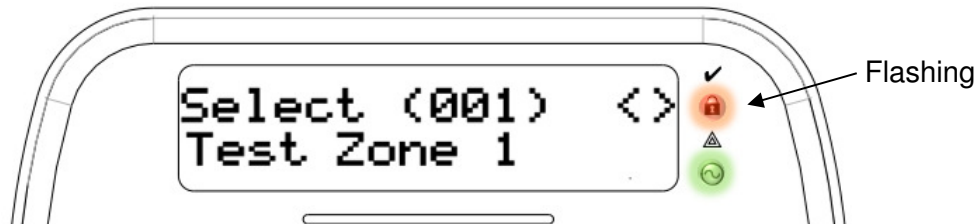
Panel Programming:

[ ] = NEO Panel Section   / Solid ~ Red Lock light in programming /
{ } = NEO Subsection   / Flashing Steady ~ Red Lock light in programming /
( ) = Data   / Solid ~ Green Check light in programming /
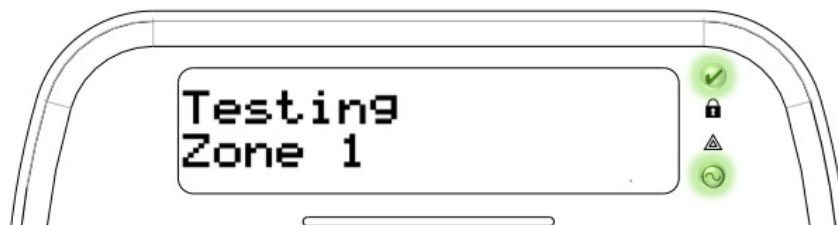
Section [904] - Wireless Placement Test

Enter into Section [904]:


```
Select (904)   <>
Placement Test
```

Solid

Enter the desired Subsection {001 – 716}:


```
Select (001)   <>
Test Zone 1
```

Flashing

If you see **'Testing'** wait a few moments and the signal strength will automatically appear.


```
Testing
Zone 1
```

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If you see '**Activate Device**' manually trigger the device.

```
Activate Device
Zone 1
```

Test Results:

```
24Hr: Not Test
Now: Strong
```
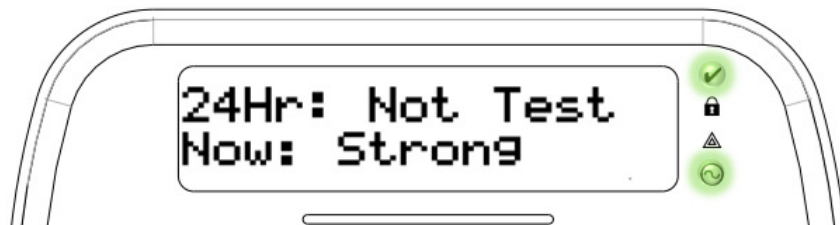
> ➤ **_Tech Tip:_** If the 24 hour test comes back as '**Not Test**', the PowerG environment has not been consistently powered up over the last 24 hours.

Things to consider if '**Not Test**' appears in the 24Hr: display:

1) Was the panel or device recently powered up?
2) Was the panel or device recently power cycled?
3) Was the device recently added?
4) Was the transceiver recently disconnected from the Corbus?
5) Was there an issue with the wiring of the transceiver on the Corbus?

Once the PowerG environment and devices have stabilized for 24 hours, you should get the reading for the 24 hour period.

Things to consider if '**Not Test**' appears in the Now: display:

1) Does the device have a battery low?
2) Does the device have a dead battery?
3) Is the device out of range of the transceiver?
4) Is the device's path being blocked to the transceiver?
5) Is the device damaged?
6) Is the device missing?
7) Was the wrong ESN programmed in for the device?
8) Was the Enrollment Button activated during the enrollment process or after the ESN was programmed into the system?
9) For repeaters: Is there any issues with the AC or DC of the repeater?
10) For repeaters: Is it out of range or is its path being block to the transceiver?

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Wireless signal strength can also be viewed by uploading the system's programming into DLS5 software.

The signal strength for each device can be view under the 'Status and Function' tab:

    Status and Functions / Zone Status

    Status and Functions / All Module Status Options / Keypad Status / [+] Wireless

    Status and Functions / All Module Status Options / Wireless Sirens

    Status and Functions / All Module Status Options / Wireless Repeaters

<u>For example</u>:

    DLS5 - Status and Functions / Zone Status
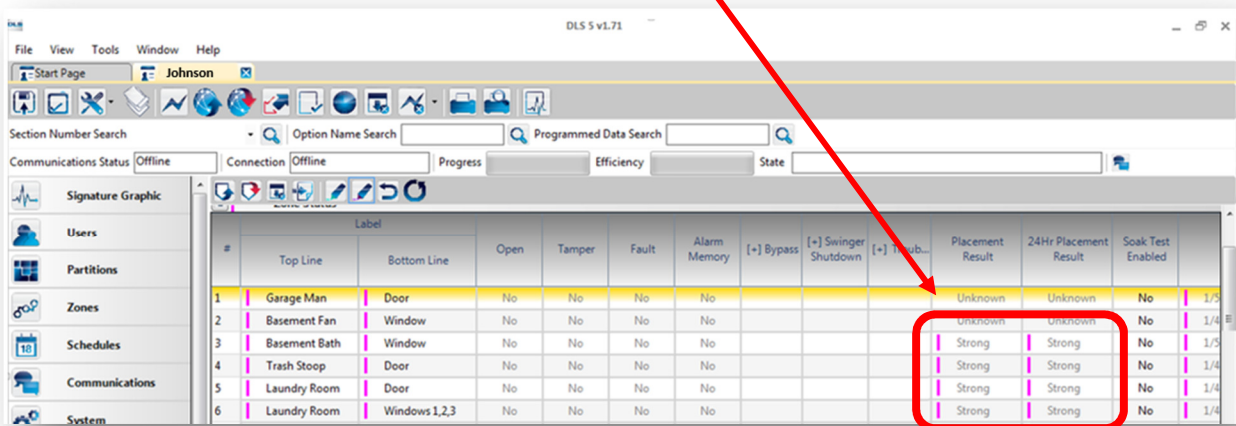
Wireless signal strength can also be determined at the device level using the Local Placement Display Mode:

- Local Placement Display Mode is initiated after a device tamper.
- Stays active for 15 minutes
- LED on device will display placement

Long pulse for "Signal Sent"

Followed by…

3 flashes for STRONG SIGNAL

3 flashes for MODERATE SIGNAL

3 flashes for WEAK SIGNAL