1. This test will work on Windows XP and 7 PC’s only. A working VCM II is required to run this test. The test automatically software-selects a usable WiFi adapter on your IDS laptop PC to communicate with the **D-link being tested in the VCM II**. If the test software cannot detect a usable PC wireless interface a pop up will appear (see Fig. 1). If this occurs, use a different PC that has a usable wireless interface. It is OK if a D-link adapter is connected to the IDS laptop; the test will not use it.

2. Reboot the PC after downloading and saving wifi-scan.exe to your Desktop.

3. Double-click on wifi-scan. The test setup screen will appear (see Fig. 2). Follow the step-by-step instructions.

**NOTE:** When positioning the PC away from the VCM II, while connected with the USB cable, use a straight line-of-sight, non-obstructed, space between the PC and VCM II. This is typically 10 feet, the length of the VCM II USB cable.

4. If the VCM II is not connected to the PC via the USB cable, and not detected by the software within 30 seconds, the test will have to be closed and restarted (see Fig’s. 3 & 4).

5. When the VCM II has been detected the Wireless Test Part 1 will start. Software will automatically use a wireless adapter on the PC (**not** the D-link) and will scan for either 120 seconds or until 40 scans have been completed (see Fig’s. 5 & 6).
6. If the PC could not detect the VCM II in the Wireless Test Part 1 an error message will appear (see Fig. 7). Make sure that the PC is not connected to the workshops LAN with an Ethernet cable. Close the test program, restart the VCM II by cycling the power (DLC cable and USB cable) and retry the test. If a wireless network error message appears (see Fig. 8), the test will have to be closed and restarted.

7. The PC “associates” with the VCM II D-link being tested and collects and analyzes the broadcasts messages being sent from the VCM II D-link during the Wireless Test Part 2 (see Fig’s. 9 & 10).
8. The passed or failed test results are then displayed (see Fig’s. 11 & 12) and an associated log file is generated. The log file may be requested by your regional technical support when inquiring about a replacement D-link.

![Test Passed](image1)
![Test Failed](image2)

Fig. 11  Fig. 12

9. Repeat the test on the other D-link adapter used in the IDS VCM II system. First close the test program. Then remove all power from the VCM II by disconnecting the vehicle DLC cable and the USB cable from the PC. Replace the D-link adapter in the VCM II with the other (untested) one. Re-run the wifi-scan test. Report any failures to your regional technical support for a replacement D-link.

Notes:

- **IMPORTANT:** After the test is performed the user will have to “manually connect” back to the workshops wireless network. The test software will not automatically re-connect to the wireless network.
- During Part 2 of the Wireless Test on Windows 7 PC's the “Set Network Location” dialog will pop up (see Fig. 13). The user should select the “Cancel” button on this screen.

![Set Network Location](image3)

Fig. 13

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