

WiFi CODE TEST

GROUP 4

2nd December 2016
Version 1

Abstract

This test verifies that the provided Wifi code works with our robot.

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1 BACKGROUND

1.1 Edit History

Jake Zhu: 2016-10-28, Initial set up

Alexis Giguere-Joannette: 2016-10-02, Test results **Mamoun Benchekroun:** 2016-12-01, Added Abstract

1.2 Test Information

Tester: Alexis

Author: Alexis and Jake

WiFiConnection Class Version: 1

2 GOAL

To test the reliability of the WiFiConnection class provided and to understand how it is implemented.

3 PROCEDURE

Setup:

1. Log into the DPM WiFi network with the brick and with the server's computer
2. Upload the WiFi Test code to the brick

Test:

1. Run F15FinalProjectSandbox.java on the computer to start the server
2. Run WiFiTest.java on the brick
3. Write parameters in the prompted box of the server and click start
4. Observe the output file of the brick to note if the connection was successful and if the parameters were received

4 EXPECTED RESULT

We expected the code provided to be successful for all the trials as it was provided by the teaching assistants of the course.

5 TEST REPORT

Trial	Connection successful	Parameters received
1	True	True
2	True	True
3	True	True
4	True	True
5	True	True
6	True	True
7	True	True
8	True	True
9	True	True
10	True	True

6 CONCLUSION

As expected, the code provided to connect to the competition's server over a WiFi connection was successful for all trials. The connection was successful for all 10 trials and the parameters were received also for all 10 trials.

7 ACTION

No action needed. The code will be implemented as it is.

8 DISTRIBUTION

Software Team