

The T-shirt that communicates!

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Status

Plan

Data

Next

* Our Product

Interactive T-shirt that shares and displays information.

* What's New

Successfully splits information on two led boards.

* Tests and Experimentation

Still ongoing. Failed a bunch of tests and need to work on stability of system.



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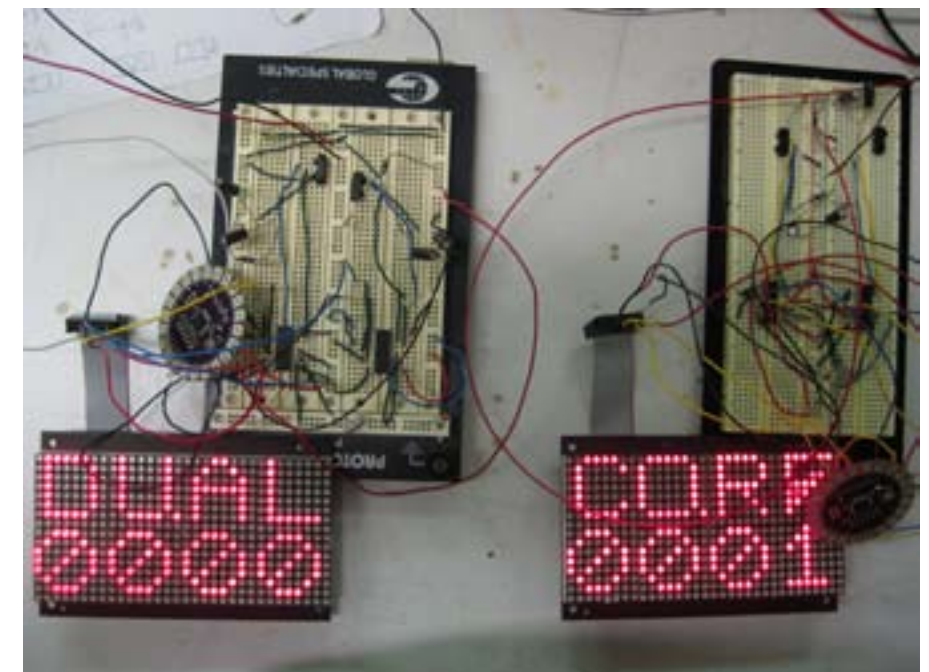
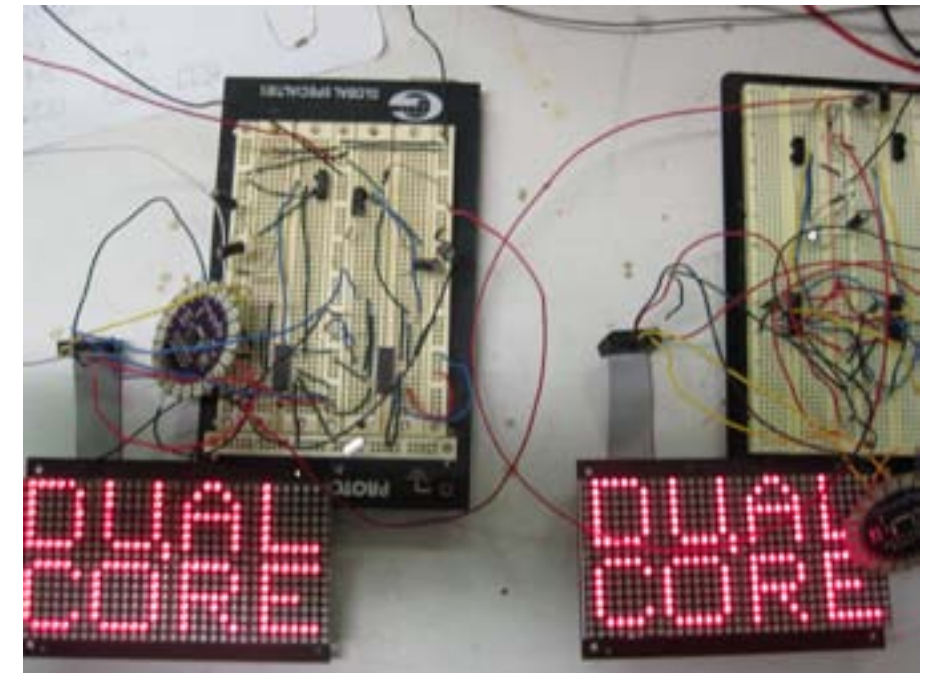
Next

Distance Test on Irda Transmission

Angle Test on Irda Transmission

Stress Test on Data Quality

Message Split Test

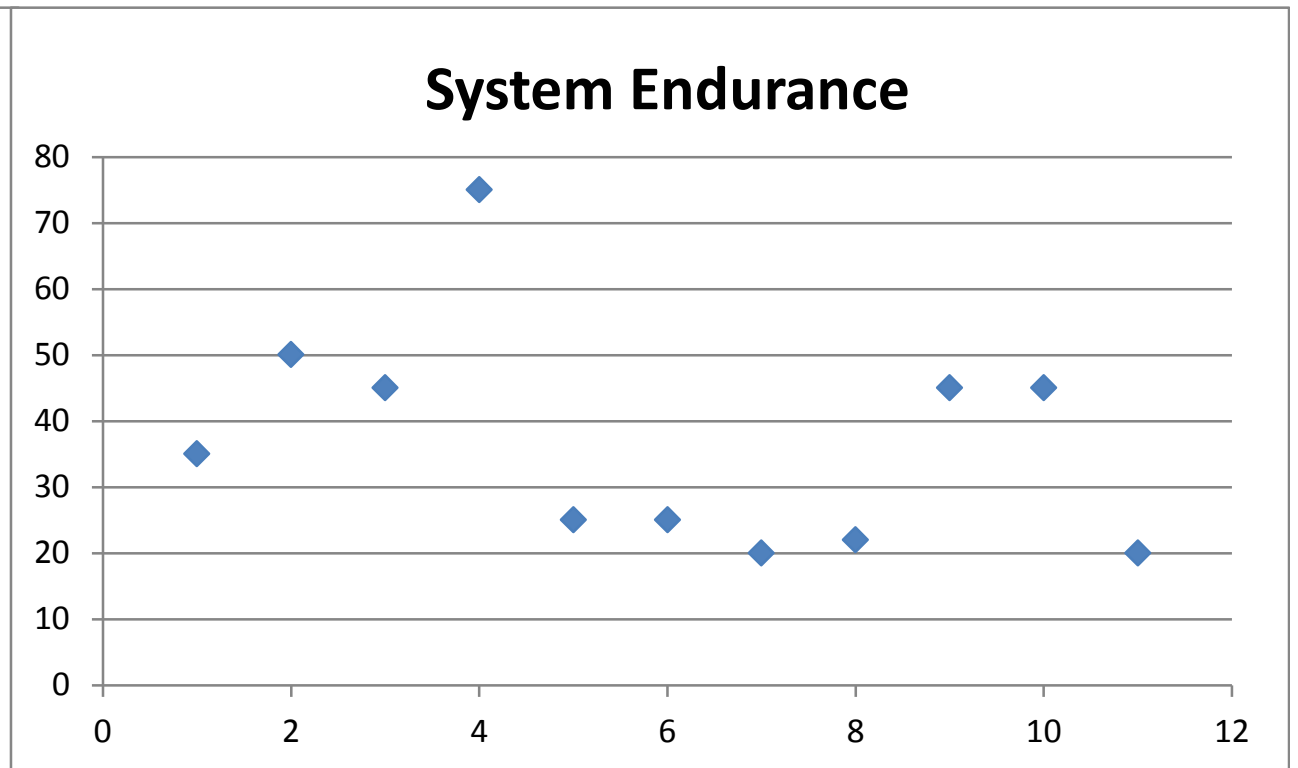
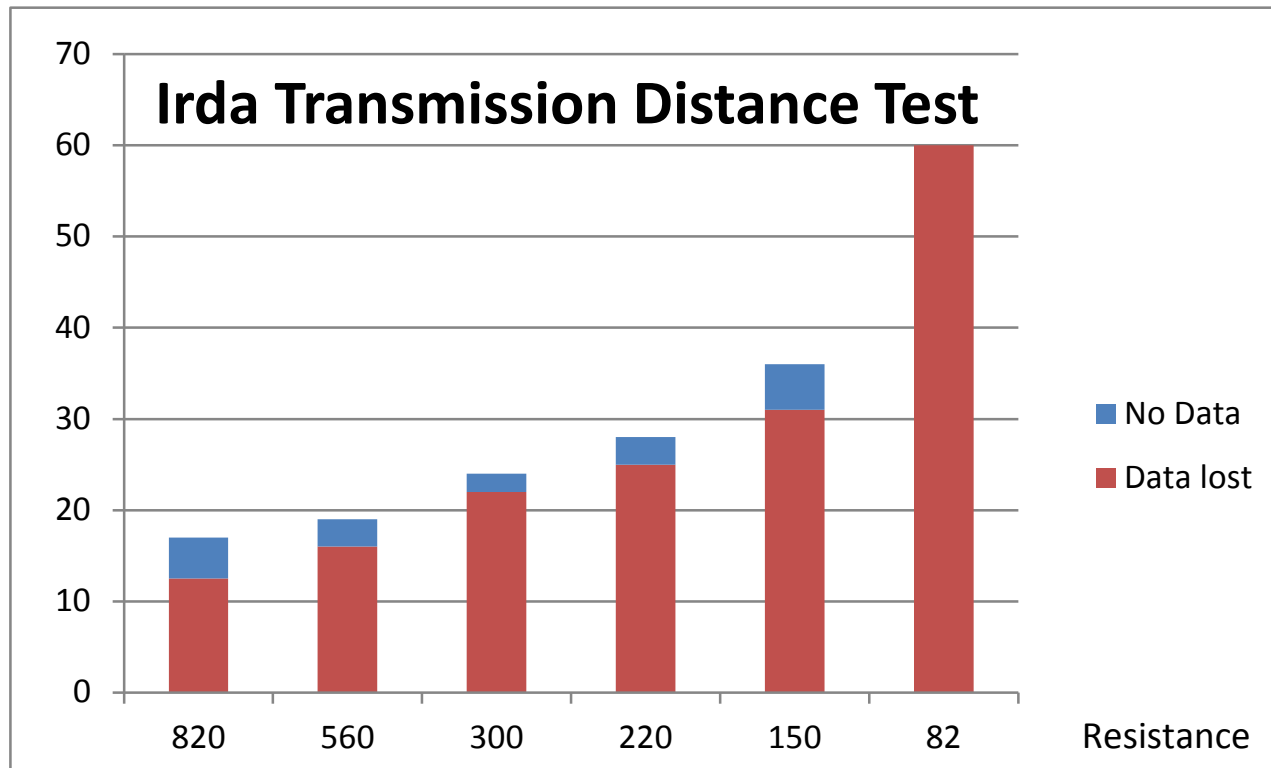


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Best resistance for use case: 300 ohms.
Correspondent effective transmission distance:
5-25 inches.

Maximum angle with negligible influence on
data transmission: 20 degrees.

Average system effective working time: 37s.
Very sensitive to environment impact.
i.e, oscillation, sudden movement, etc.

No problem splitting message into two parts.

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* Next Steps

Increase system stability.

1. Extend system working time.
2. Reduce system sensitivity to noise.

Increase system scale.

Extend group communication to three micro-controllers.

Packaging.

Solder wires.

Brainstorm new system carrier. Possibly on hats.

