

Team Name: sdmay21-proj07

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Report Period: Feb 1-26

Summary of Progress in this Period

- We have met with our project advisor as well as our mentor.
 - We have decided to move forward with a CANbus + Radio transceiver design, and have begun researching IC's and regulations.
 - Researching parts and hardware necessary to complete project idea
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Pending Issues

Regulations regarding FM Tx/Rx are not super clear, as best we can tell we are limited to 0.01microwatts unless we are licensed. But then we'd be licensed at 100w minimum, so we are not sure where the sub 100w transmitters lie. Our device is designed for IOT, but 0.01uW power only gets us ~1-200feet of range with line of sight. We're not sure if this is sufficient.

Plans for Upcoming Reporting Period

- Clarify legality of our proposal.
 - Select hardware IC's.
 - Read datasheets on IC's.
 - Get hands-on with BeagleBone.
 - Start familiarizing with KiCAD.
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