Team Name: sdmay24-25
Team Members: Thomas Gaul, Matthew Crabb, Spencer Sutton, Tori Kittleson, Ian Hollingworth
Report Period: Sept 25 –Oct 8

Summary of Progress in this Period

In this progress period we have dove fully into working on designing the hardware and figuring out more about the codes functions in its current state and how we will expand upon it.

- All teammates got IDE setup for embedded code and have compiled and flashed code to all board types
- Looked into the current code running and explored how it works
- Able to flash some custom code to communicate over UART
- Setup the parts library for hardware design
- Established UART communication between a computer and a cc1352 and completed a handshake
- Completed the first draft of schematic of the MSP430 simplied design

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Pending Issues

- The current code and TI's poorly documented API causes a steep learning curve

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Plans for Upcoming Reporting Period

- Establish communication between two cc1352s and see if they can run 2.4 GHz and Sub-1GHz simulatenously
- Order the breakout board
- Talk to advisor about ordering another dev board of the cc1352
- Complete layout and schematic of simplified MSP430 for the BOB node design.
- Refine requirements and expectations for sniffer board hardware design.
- Meet with Gregory (original code author) to fill us in on the current state of the code and give us pointers how he designed it to be expanded upon.
