

## **Senior Design Bi-Weekly Status Report; Fall 2020**

**Team Name:** sdmay21-14

**Team Members:** Kwanghum Park, Jacob Bernardi, Douglas Zuercher, Zacharias Komodromos, Bryce Staver, Eddie Duan

**Report Period:** Oct 18-Oct 25

### **Summary of Progress in this Period**

- Continued learning Altium Designer
- Completed the second revision of the Design Document
  - Sections 3 and 4 complete
  - Sections 1 and 2 updated to reflect recommendations from previous revision
- Revisited the transmission and reception of signals
  - Exploring low-power transceivers as replacement for wake-up receiver and MCU transmitter
- Developed hardware tests which we want to run to obtain data about prospective components.
- Completed Altium parts library updates

### **Pending Issues**

- Get access to labs from Prof. Duwe
- Get ahold of Powercast harvester
- Finalize transceiver IC & high-level design

### **Plans for Upcoming Reporting Period**

- Email ETG on how to purchase a transceiver IC to start testing
- Start testing Powercast harvester
- Get ahold of and start testing the MCU