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| 2.12 | Software Defined Radio Weekly Status Report | | |
|  | March 13, 2019 | Submitted by: James Bell | |
|  | Course Instructor: Mr. Welker  Faculty Advisor: Dr. Stapleton  Sponsor: Texas State University | Team Members:  James Bell [PM]  Samuel Hussey | Zachary Schneiderman |

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| Red | Current Project Status |
| We have burned out the Teensy due to a miss wiring of the microphone. A new one will be in our possession Thursday morning. From there we will have to make up lost time and implement the microphone. We can also start testing the receiving portion of the front end as we discovered the arbitrary function waveform generators on campus can create a SSB modulated signal. | |

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| Individual Updates (Activities Completed, Activities Planned) | |
| James | Research demodulation of SSB signals and create a modulated waveform for testing the receiving side of the radio. |
| Zachary | Implemented code to control LCD with the rotary encoder, next week will work on implementing and testing subsystems together. |
| Samuel | Finished switching relays and worked on implementing mic with teensy and speaker. Next week I will continue working on mic implementation with more care in order to start audio tests. |

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| Upcoming Deliverables (course and project due in next 2 to 3 weeks) | | |
| Deliverable | Due Date | Status |
| Mixer Circuit | 2/20/2019 | In progress |
| Audio Pass through | 3/13/2019 | In progress |
| Demodulation of SSB Signal Testing | 4/1/2019 | In progress |

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| Sponsor and Faculty Advisor Meetings/Calls Held & Planned | | | |
| Who | Last | Topic(s) | Next |
| Mr. Welker | 3/13 | Weekly Meeting | 3/27 |