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| 2.12 | Software Defined Radio Weekly Status Report | | |
|  | April 17, 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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| Yellow | Current Project Status |
| We have the receiving side of the radio working with Lower sideband modulated signals. Specifically playing “Queen - we are the champions”. The upper sideband will be checked as I write this. We have got all but the microphone connected, which we are working on today as well. This upcoming week we will be verifying receive and collecting data for it as well as very carefully connecting the microphone and looking at the code for transmit. | |

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| Individual Updates (Activities Completed, Activities Planned) | |
| James | Research modulation of SSB Signals, created Upper and lower Sideband converter so we can create many variations of audio files, and helping with transmit code. |
| Zachary | Get radio cleaned up and enclosed |
| Samuel | FDR prep, receive testing, and research for mic implementation. Planning to clean up wiring and implement frequency limitations based on license level. |

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| Upcoming Deliverables (course and project due in next 2 to 3 weeks) | | |
| Deliverable | Due Date | Status |
| Relay Implementation for transmit | 4/5/2019 | Done |
| Transmit Code Implementation | 4/17/2019 | In Progress |
| Microphone implementation | 4/10/2019 | In Progress |
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| Sponsor and Faculty Advisor Meetings/Calls Held & Planned | | | |
| Who | Last | Topic(s) | Next |
| Mr. Welker | 4/17 | Weekly Meeting | 4/24 |