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| 2.12 | Software Defined Radio Weekly Status Report | | |
|  | March 27, 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 found out how to create SSB signals on the function wave generators in the labs and started receiving testing with the radio. We are seeing some complications with the mixers and are working on finding the source. After talking with Dr. Stapelton it is possible we did not have the modulated signals amplitude high enough to be seen on the oscilloscope or heard with the speaker. We will meet Sunday to do more testing and research about this problem as well as try and clean up wiring as to limit or avoid possible shorts or wire related problems. | |

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| Individual Updates (Activities Completed, Activities Planned) | |
| James | Research demodulation of SSB signals and created a modulated waveform for testing the receiving side of the radio. I will be trying to identify problems with the receiving side of the radio and correct them. |
| Zachary | Receive radio testing and speaker volume research. |
| Samuel | Receive radio testing, and I will continue researching mic implementation with more care. |

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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 | 3/27 | Weekly Meeting | 4/3 |