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| 2.12 | Software Defined Radio Weekly Status Report | | |
|  | April 3, 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 the receiving side of the radio working with duel sided AM modulation. I do not know if this means the radio will be working with single sideband signals or not as I do not know how to generate that type of signal on the function wave generator.  We are also postponing working on the transmit until the we have identified why the combiner toroid is eating all the power of the signals out of the mixers and collected all of the information possible for the final design review next week. | |

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| Individual Updates (Activities Completed, Activities Planned) | |
| James | Research modulation of SSB Signals, collect data for FDR, and work on documentation. |
| Zachary | Research why combiner toroid is eating all the power in the transmit system and attempt to correct the issue. |
| Samuel | See about improving gain on the 20-meter band through the radio frequency amplifier to meet minimum of gain of 12. |

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| Upcoming Deliverables (course and project due in next 2 to 3 weeks) | | |
| Deliverable | Due Date | Status |
| Demodulation of SSB Signal Testing | 4/1/2019 | Done |
| Relay Implementation for transmit | 4/5/2019 | In Progress |
| 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 | 4/3 | Weekly Meeting | 4/10 |