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| 1.12 | Weekly Status Report for Software Defined Radio | |
|  | November 14, 2018 | Submitted by: James Bell |
|  | Faculty Advisor: Dr. Stapleton | Team Members:  James Bell [PM]  Samuel Hussey  Zachary Schneiderman |
|  | Sponsor: Texas State University |

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| Green | Current Project Status |
| We have fixed Radio frequency amplifier and we are flying through the initial testing and assembly of our device. | |

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| Activities/Accomplishments this week | |
| Team Member | Description |
| James Bell | I am updating paperwork and compiling the binder for senior design day as well as helping label and compile the parts and sub-assemblies. |
| Samuel Hussey | Soldered and tested low pass filters, tested relay circuits for switching between bandpass filters. |
| Zachary Schneiderman | Soldered the RF Amplifier and tested it, working. Began soldering the quadrature generator |

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| Problems Encountered | |
| Severity | Description |
| High |  |
| Med | Need thinner wire for wrapping inductors, can’t get 38 turns with 22-gauge wire so we can not make the band pass filters yet. |
| Low | . |

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| Activities planned for next week | |
| Team Member | Description |
| James Bell | I am updating paperwork and compiling the binder for senior design day and studying digital signal processing so that when all parts are operating and assembled, I can start programming the Teensy. |
| Samuel Hussey | Assemble and test bandpass filters, implement relay circuit. |
| Zachary Schneiderman | Finish Quadrature generator and test it, try interfacing with clock generator |

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| Upcoming Course Deliverables (next 2 to 3 weeks) | | |
| Deliverable | Due Date | Status |
| Labor cost schedule | 11/18/18 | In progress |
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| Sponsor and Faculty Advisor Meetings Held/Planned | | |
| Who | Date | Topic(s) |
| Dr. Aslan | Wednesdays, 8:20am | Weekly Meeting and discussion on project. |
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