|  |  |  |  |
| --- | --- | --- | --- |
| 2.12 | Software Defined Radio Weekly Status Report | | |
|  | February 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 |

|  |  |
| --- | --- |
| Red | Current Project Status |
| The micro-controller and the audio shield for it have been burned out by accident. Another one should be arriving by 5pm 2/13/2019, This has not set us back to far time table wise but until it arrives, we are missing 2 key components of the project. | |

|  |  |
| --- | --- |
| Individual Updates (Activities Completed, Activities Planned) | |
| James | I have gotten the in-phase and 90 degree out of phase signals to be generated by the clock generator, reducing the physical complexity of the design. I will also be updating documents. |
| Zachary | RF amplifier is fully tested and working, with a gain of about 25 at 3MHz. Working on the enclosure. |
| Samuel | Assembling and began testing bandpass filters. |

|  |  |  |
| --- | --- | --- |
| Upcoming Deliverables (course and project due in next 2 to 3 weeks) | | |
| Deliverable | Due Date | Status |
| Bandpass Filters | 2/13/2019 | In progress |
| Mixer Circuit | 2/20/2019 | In progress |
| Speaker Circuit | 2/20/2019 | In progress |
| LCD for Teensy | 2/20/2019 | In progress |
| Encoder for Frequency Selection | 2/20/2019 | In progress |

|  |  |  |  |
| --- | --- | --- | --- |
| Sponsor and Faculty Advisor Meetings/Calls Held & Planned | | | |
| Who | Last | Topic(s) | Next |
| Mr. Welker | 2/13 | Weekly Meeting | 2/20 |
| Dr. Stapleton | 2/12 | How to avoid burning out any more circuits on the radio, a lesson in powering things. | 2/18 |