

2.12 Software Defined Radio Weekly Status Report

February 6, 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

Green Current Project Status

Our project is going well. We are assembling parts and implementing code and testing the subsystems as we work.

Individual Updates (Activities Completed, Activities Planned)

James	Built the audio transformer, and low pass filter sub-system, will make the RF splitter and combiner as well as updating documents.
Zachary	Started working with the software on the Teensy, able to get it working with the Arduino IDE. Started interfacing with the SI5351 Clock Gen Breakout Board
Samuel	Assembled and began testing bandpass filters.

Upcoming Deliverables (course and project due in next 2 to 3 weeks)

<u>Deliverable</u>	<u>Due Date</u>	<u>Status</u>
Bandpass Filters	2/13/2019	In progress
Mixer Circuit	2/20/2019	In progress
RF splitter and Combiner	2/6/2019	Completed
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

<u>Who</u>	<u>Last</u>	<u>Topic(s)</u>	<u>Next</u>
Mr. Welker	2/6	Weekly Meeting	2/13
Dr. Stapleton	2/6	How to do proper system testing of our radio with available off the shelf radios.	2/11

