

1.12 Weekly Status Report for Software Defined Radio

September 12, 2018

Submitted by: James Bell

Faculty Advisor: Dr. Stapleton

Team Members:

James Bell [PM]

Sponsor: Texas State University

Samuel Hussey

Zachary Schneiderman

Green Current Project Status

We have delegated the statement of work out to individual team members and will be comparing rough drafts of each segment Wednesday 9/12/2018 to critique them, correct them and then send them to Dr. Aslan and Dr. Stapleton for review.

Activities/Accomplishments this week

Team Member	Description
James Bell	Filled out project manager forms, documentation, completed the rough draft of my section and found the prototype makers blog with rough documentation of the prototype.
Samuel Hussey	Worked on executive summary and sponsor support elements of statement of work. Began research on mixers and filtering for receiver portion of radio.
Zachary Schneiderman	Worked on first draft for the Business Need and Project Description sections of the statement of work. Started research on efficient amplifiers, and construction of custom inductors.

Problems Encountered

Severity	Description
High	Charlie Morris is very Australian and his accent and the speed with which he talks makes following the videos accurately difficult.
Med	.
Low	Another series of Charlie Morris is more descriptive and in-depth, but does not follow exactly what we will be constructing, so trying to translate the other projects design, to our own.

Activities planned for next week

Team Member	Description
James Bell	Complete final Draft of assigned segments for the Statement of work, and compile to finalized version of the statement of work for submission.

Samuel Hussey	Complete final draft of assigned segments of statement of work, start constructing schematics in LTSpice.
Zachary Schneiderman	Complete final draft of assigned sections of the Statement of Work. Start preparing parts list, and ensure everyone can set up the Arduino Suite.

Upcoming Course Deliverables (next 2 to 3 weeks)

Deliverable	Due Date	Status
SOW	9/24/2018	In progress

Sponsor and Faculty Advisor Meetings Held/Planned

Who	Date	Topic(s)
Dr. Stapleton	9/6/2018	Statement of Work advice, expectations, and commentary
Dr. Aslan and Dr. Stapleton	9/14/2018	Statement of Work review

1.12 Software Defined Radio Open Action Items

9/10/2018 Last Update

Date	Description	DRI	Due By	#D	Notes / Comments
8/31/2018	Rough draft of assigned sections in statement of work	James Bell	9/12/2018	2	
8/31/2018	Rough draft of assigned sections in statement of work	Samual Hussy	9/12/2018	2	
8/31/2018	Rough draft of assigned sections in statement of work	Zachary Schneiderman	9/12/2018	2	
8/31/2018	Watch and take notes of videos for SDR Prototype	James Bell	9/14/2018	4	
8/31/2018	Watch and take notes of videos for SDR Prototype	Samual Hussy	9/14/2018	4	
8/31/2018	Watch and take notes of videos for SDR Prototype	Zachary Schneiderman	9/14/2018	4	

# items	Team Member
2	James Bell
2	Samual Hussy
2	Zachary Schneiderman

1.12 Software Defined Radio Milestone Schedule

9/10/2018 Last Update

86 calendar days until Senior Design Day

DRI	Task	Dur	Start	End	Status
Samual Hussy	Statement Of Work (Executive Summary)	7	8/31/2018	9/24/2018	In progress
Zachary Schneiderman	Statement Of Work (Buisness Need)	7	8/31/2018	9/24/2018	In progress
James Bell	Statement Of Work (Product Scope Description)	7	8/31/2018	9/24/2018	In progress
Zachary Schneiderman	Statement Of Work (Project Scope Description)	7	8/31/2018	9/24/2018	In progress
Samual Hussy	Statement Of Work (Sponser Support Elements)	7	8/31/2018	9/24/2018	In progress
James Bell	Statement Of Work (Aprovals Signature)	7	8/31/2018	9/24/2018	In progress
James Bell	Watch and take notes on Videos of SDR	7	8/31/2018	9/14/2018	In progress
Zachary Schneiderman	Watch and take notes on Videos of SDR	7	8/31/2018	9/14/2018	In progress
Samual Hussy	Watch and take notes on Videos of SDR	7	8/31/2018	9/14/2018	In progress
	List of components in Prototype priced and deliver	7			Not Started
	Schematics for Prototype in multi-sim or other such	7			Not Started
	Organizing, and commenting pre-existing code for F	7			Not Started
		7			Not Started
		7			Not Started
		7			Not Started
		7			Not Started
		7			Not Started
		7			Not Started
		7			Not Started
		2			Not Started
	Thanksgiving Break	5	11/21/2018	11/26/2018	
	Finalize Poster	4	11/26/2018	11/30/2018	Not Started
	Print Poster, Finalize Display	7	11/30/2018	12/7/2018	Not Started
	Senior Design Day	0	12/7/2018	12/7/2018	