

Project: PSAS, OreSat deployable antennas

Tag A12

Scoring Categories	Report Scores		Maximum Scores		Comments
	Sub-score	Section Score	Sub-score	Section Score	
Title page Project and sponsor name, team members, course number, date	0	0			Normal score is 0. Penalty of up to 5 pts if missing
Project Objective Statement	5	5	5	5	No penalty since project contract feedback was not available when concept analysis report was due. Please check project report for feedback
System Architecture Block diagram of system & discussion Diagram or table to show major tasks team has to complete	5 0	5	8 7	15	Block diagram is pretty coarse. What is significance arrows and of red boxes. It's common sense that deployment is critical, but you do not offer evidences to support your claim. No schedule or description of progress toward major goals
Subsystem under consideration Choose/identify one major component: Why most important? Primary customer requirements influenced by this component System level performance metrics for this component Subsystem level performance metrics for this component	5 3 3 3	14	5 5 5 5	20	Missing features of subsystem analysis listed in rubric
Concept Analysis Internal and external search process and results Feasibility screening Pugh matrix - concept scoring Mathematical models to bound or predict subsystem performance	5 7 8 8	28	5 10 10 10	35	Math models looks familiar, but terms in Equation (1) are not defined (H? rhom?, rhoc? L? ...) and the right hand sides of Equation (1) are not developed. Where does this equation come from? What do terms mean? See comments on Pugh matrix on marked-up version
Conclusion Concept selection summary & implications List of major challenges yet to complete	5 2	7	5 5	10	Some future work is identified
Written communication Writing is clear, concise Figures and tables all have numbers and captions Appropriate attribution is given to technical information, photos, data and other information that is not created by the team. Writing uses correct grammar and spelling	3 3 4 3	13	4 3 4 4	15	Report refers to "springs" without defining them. Is the helical antenna a spring? Are there other springs crucial to your design?
Total	72	72	100	100	

Overall comments