

P09343 Microwave Devices II
 Weekly Progress Report MSD SD I **Week 4**
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Team Members		
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Major Milestone Chart (*Milestones from 11 week schedule*):

Task	Expected Date	Responsible Team Member	Modified Completion Date	Comments
Initial Research	12/18/08			
Butler Matrices		All	12/12/08	
Benchmarking		All	12/12/08	
180 Degree Coupler		Joel	12/12/08	
90 Degree Coupler		Michael	12/12/08	
Phase Shifter		Mia/Amanda	12/12/08	
Miniaturization		Amanda		Time permitting
Presentation		All	Continuous	Presenting to each other
Initial Simulations				
180 Degree Coupler	1/6/09	Joel		Needed to be redone using "Ideal" simulation tools
90 Degree Coupler	1/12/09	Michael		Needed to be redone using "Ideal" simulation tools
Phase Shifter	1/12/09	Mia/Amanda		Needed to be redone using "Ideal" simulation tools and to reflect proper

				theory
System A	1/16/09	Mia		Modified to reflect components needing to be redone
System B	1/23/09	Amanda		Modified to reflect components needing to be redone
Detailed Design				
Paper Design	1/9/09	All	12/19/08	
Simulations	1/28/09	All		In Progress
- 180 Degree Coupler		Joel		
- 90 Degree Coupler		Michael		
- Phase Shifter		Mia		
System Level Design/Integration	2/13/09			
- System A		Mia		
- System B		Amanda		
Full Simulations	2/13/09	All		
Manufacturing Cleanup	2/20/09			
Laying out on CAD software		Michael/Joel		
Manufacturing	4/24/09	Anaren		
Test and Verification	5/15/09	All		
System A		Mia/Michael		
System B		Amanda/Joel/ Michael		

Completed for 1/9/09:

Task	Responsible	Completion Date	Comment
Met with Dr. Venkatarman and Prof. Slack to discuss deliverables	All	1/7/09	
Met with Anaren to discuss HFSS	All	1/9/09	Discovered issue with Schiffman Phase Shifter, redesign required
Initial Simulations	All		Simulations have been in progress, new information has led to an extension on the goal deadline

To Be Completed for 1/16/09:

Task	Responsible	Completion Date	Comment
Preparation for Design Review	All	1/16/09	
Initial Simulation – System A	Mia	1/16/09	

Comment/Question/Difficulty:

Ideal simulations are nearing completion for components and have begun for the systems. HFSS simulations for the components, the couplers and the phase shifter have begun. The focus for the upcoming week is preparation for the design review.
