**Date: 10/4/2014**

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| **Group Number and Name** | **#14 Low Cost RF power meter** |
| **Client/Advisor** | **Dan Stieler/ Prof Neihart** |
| **Attendees/Role** | **Silu Feng/Leader, Xiaoshuo Li/key idea holder, Yijia Huang/webmaster, Boyang Hu,Cong Han/communicater, Yusi Xie/key idea holder** |

# Past week accomplishments

What was done, who did it, and when it was done

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| * The diode group test the voltage regulator on ADS. * The diode group make a build material list. * The layout of PCB board is almost done in eagle software. * The coupler group rebuild and test the coupler. * The coupler group test the single cable with function generator and oscilloscope. |

# Plan for coming week

What to do, who, and when should it be done

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| * The coupler group needs to test the coupler. * The coupler group need to finish coupler building. * The diode group needs to simulate the whole detector including voltage regulator in ADS. * The diode group needs to put the circuit on PCB board. |

# Pending Issues

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| * Build and test the directional coupler in the box. * Finish the design and PCB layout of diode detector. |

# Individual Contributions

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| * Silu Feng work with Yijia Huang test and find the problem of coupler. Try to solve the problem. (4 hr) * Xiaoshuo Li use ADS to test diode detector. Work with Boyang Hu to design and test the voltage regulator. Design the voltage divider for the offset voltage.(10 hr) * Yijia Huang rebuild test directional coupler and try to debug the system. We tried to test single cable with Function Generator and Oscilloscope. And we found out with high frequency around 10-25MHz the output signal is larger than the input signal.(3 hr) * Boyang Hu work with Xiaoshuo Li to design and test the voltage regulator. Revise the design of voltage supply for offset voltage.(5 hr) * Cong Han keep finishing the PCB board design(3hr). Finishing the part order database.(1hr) * Yusi Xie work with Yijia Huang to test and build the coupler. Try to solve problems. (4 hr). |

Individual hourly Contributions

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| **NAME** | **Hours this week** | **HOURS**  **Cumulative** |
| Silu Feng | 4 | 25.5 |
| Xiaoshuo Li | 10 | 39 |
| Yijia Huang | 3 | 34 |
| Boyang Hu | 5 | 31.5 |
| Cong Han | 4 | 26.5 |
| Yusi Xie | 4 | 25 |

# Comments and extended discussions:

We all did a great job in the past week.