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| **Group #** | **05** | | **Week ending:**  **(Saturday)** | **2/11/17** | | | | | **Report #** | | | **4** |
| **Project Title:** | | **Spectrum Sensing and Signal Identification using USRP** | | | | | | | | | | |
| **Group Leader:** | | **Thomas Wright** | | | **Advisor:** | **Bruce McNair** | | | | | | |
| **Sponsor/Client:** | | **MITRE Corporation** | | | | | | | | | | |
| **Total number of person-hours spent on project by group during past week:** | | | | | | | | **25** | | | | |
| **Is project on schedule?** | | | | | **Yes** | | **[X]** | | | **No** | **[ ]** | |

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| **Weekly status:**  Our team set up and performed an end to end prototype test by piping a known FM stream to the RF front ends, and letting the software identify the signal, push it to a queue, and capture I/Q data. The samples were then passed to the developed machine learning algorithms to optimize the collected I/Q data by performing an FM (Frequency Modulation) test. We also worked on revising our executive summary needed for our elevated pitch.  **“I Pledge my Honor that I have abided by the Stevens Honor System.”**  Andrew Guthrie Joseph Pang Kunal Patel  kunal_signature.jpgjoseph_signature.png  Thomas Wright Vijayrahul Raja  scott_signature.pngVijay_Signature.jpg |