Presentation Outline

May 29, 2015

* Motivation
* Approach
* System Overview
* Individual Modules
  + CPOL Antenna
    - Overview
    - Approach
    - Initial Design and Implementation
    - Challenges
    - Final Design
    - Results
  + DTMF Controller
    - Overview
    - Approach
    - Initial Design and Implementation
    - Challenges
    - Final Design
    - Results
  + Switching Circuit
    - Overview
    - Approach
    - Initial Design and Implementation
    - Challenges
    - Final Design
    - Results
  + ROIP Nodes
    - Overview
    - Approach
    - Initial Design and Implementation
    - Challenges
    - Final Design
    - Results
* System Integration
* Results
* Future Work
  + Test CPOL during field day
* Demo
  + Allstar Link Node
  + Echolink Node
  + Antenna Switching through mobile transceiver
  + CPOL measurements with VNA/Spectrum Analyzer
* Questions