

SIMPLEX for EM- COMM

KEY CONSIDERATIONS

POWER

ANTENNA

HEIGHT

POWER

- Increase your radios output power level
- You can run a amplifier with an hand held radio
- Switch to a mobile radio
- More power means more battery capacity
- Have extra batteries
- Bring a higher capacity battery
- Consider power pole connectors for cables
- You may need a charger for long deployments

ANTENNA

- Use an optional high gain hand held antenna
- Use a roll up JPole antenna
- Or use a omni or a beam base station antenna
- Don't forget some extra coax and adaptor connectors

HEIGHT

- Hold the hand held above you head and use an external mic
- Seek high ground to transmit
- Use a painter pole for an external mast to support an antenna
- Secure the mast to an existing structure (like a sign post)
- A drive on antenna base is helpful
- Mark all guy lines with hi visibility tape