



# Spectrum Monitor Capability

AFC Fall 2016 Meeting – Austin, TX

# Capabilities



- Continuously monitor the entire AES spectrum.
- Filter specific frequencies or frequency ranges.
- Can be used to triangulate RF sources using directional antenna (direction finding).
- Observer can be located at an airport site and controlled remotely.
- Ability to demodulate audio and record transmissions.

# In-Field Interference Monitoring



- Travel to airports that are experiencing spectrum interference.
  - Based on incoming interference reports.
  - Monitor frequency that is experiencing interference.
  - Monitor suspected frequencies that could be causing interference.

# High Volume Airport Monitoring



- Travel to high volume airports to monitor entire spectrum.
  - Monitor upper 136 band to ensure proper use of ACARS and VDL stations.
  - Monitor lower band to look for licensed stations that are not being used.



# Alaris Antenna DF-A0047





# Questions?