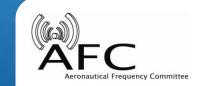


## Spectrum Monitor High Level Monitoring Plan AFC Winter 2016 Meeting – Albuquerque, NM



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1-2 March 2016

## Capabilities

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



# Training with Direction Finding Tool



- Initial training and familiarization with direction finding tool.
  - BWI monitoring for use of unlicensed frequencies.
  - BWI monitoring of upper and lower bands for proper use of licensed frequencies
  - IAD monitoring for use of unlicensed frequencies
  - IAD monitoring of upper and lower bands for proper use of licensed frequencies



## Alaris Antenna DF-A0047





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### **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





# Questions?



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