



Spectrum Monitor High Level Monitoring Plan

AFC Winter 2016 Meeting – Albuquerque, NM

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



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?