



Spectrum Monitoring (LS Observer)

AFC Fall 2015 – Montreal

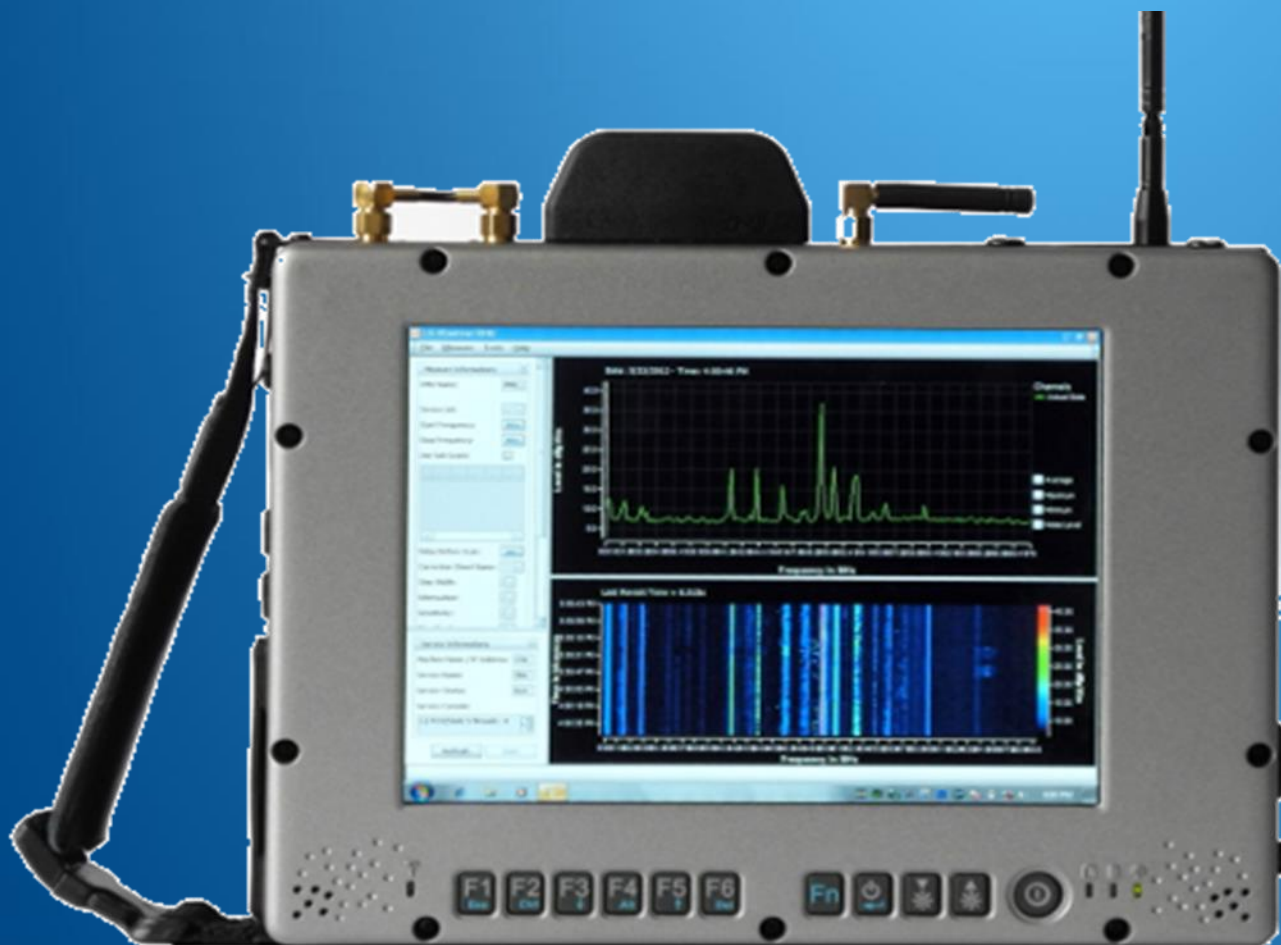
Spectrum Monitoring System



“Combining Monitoring and Spectrum Management for the ultimate Spectrum Optimization”

- LS OBSERVER monitors the entire frequency spectrum and captures everything all the time.
- Long-term historical measurement data for spectrum analysis and policy making.
- Broad scope measurement of the spectrum.

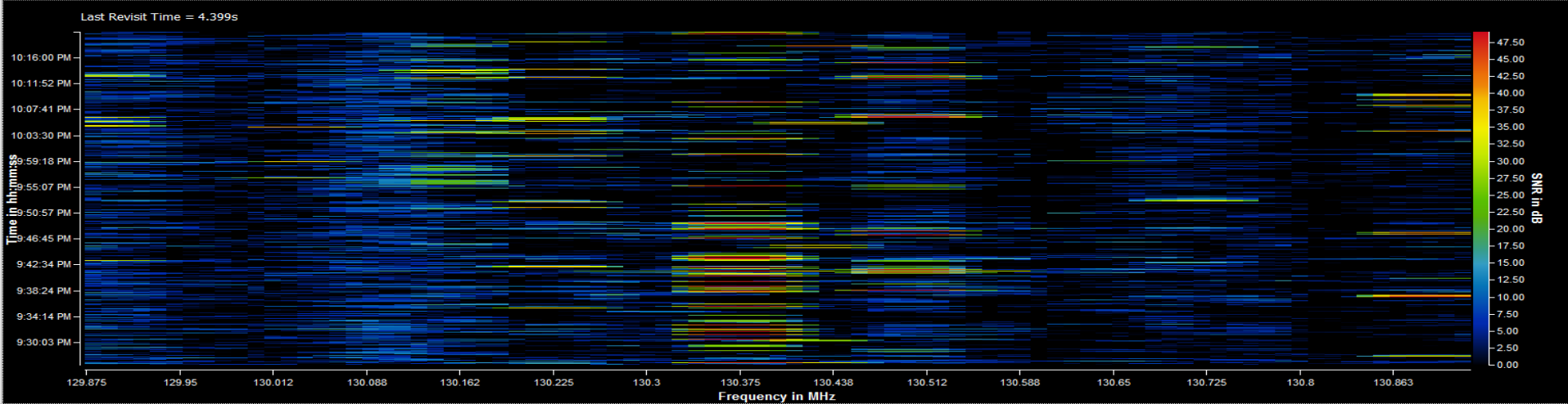
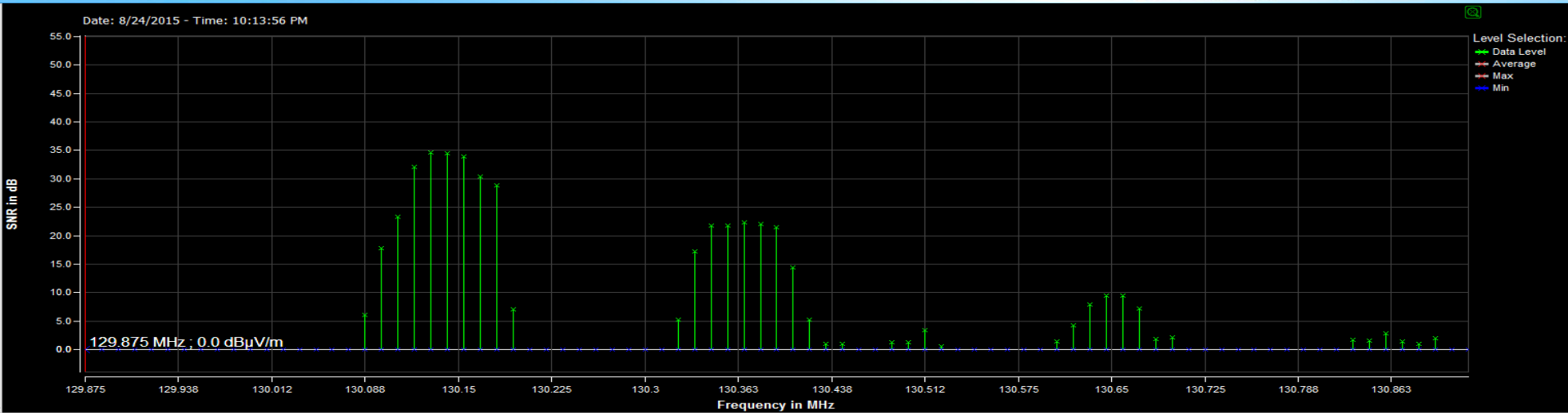
LS Observer



Capabilities

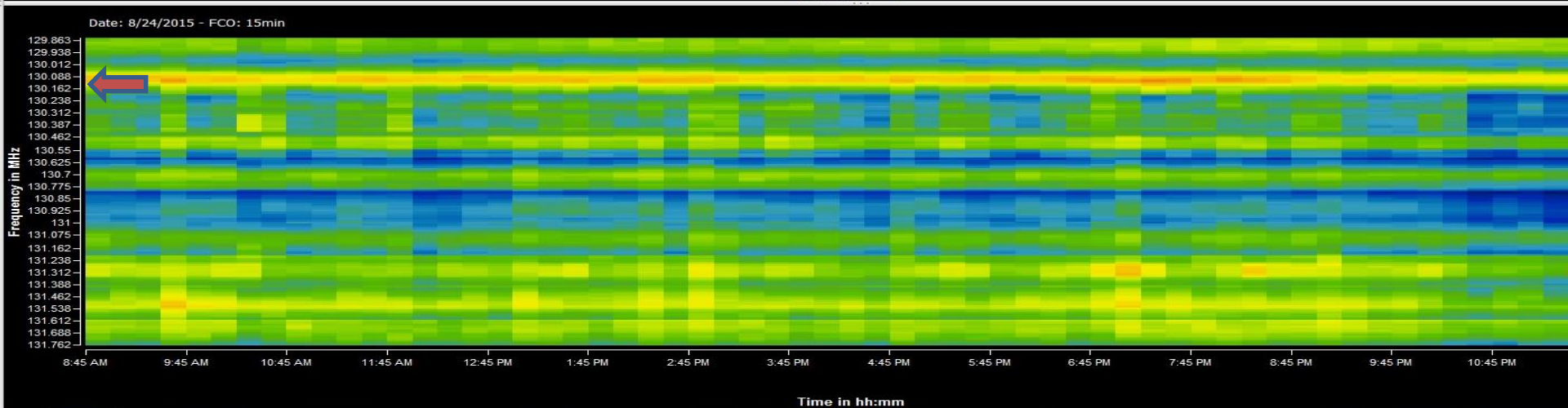
- Continuously monitor the entire AOC spectrum.
- Filter specific frequencies or frequency ranges.
- Can be used to triangulate RF sources using directional antenna (direction finding).
- Observer can be located at an airport site and controlled remotely.
- Ability to demodulate audio and record transmissions.

Power level in dB on 130.100, peaking at 37.5 dB.



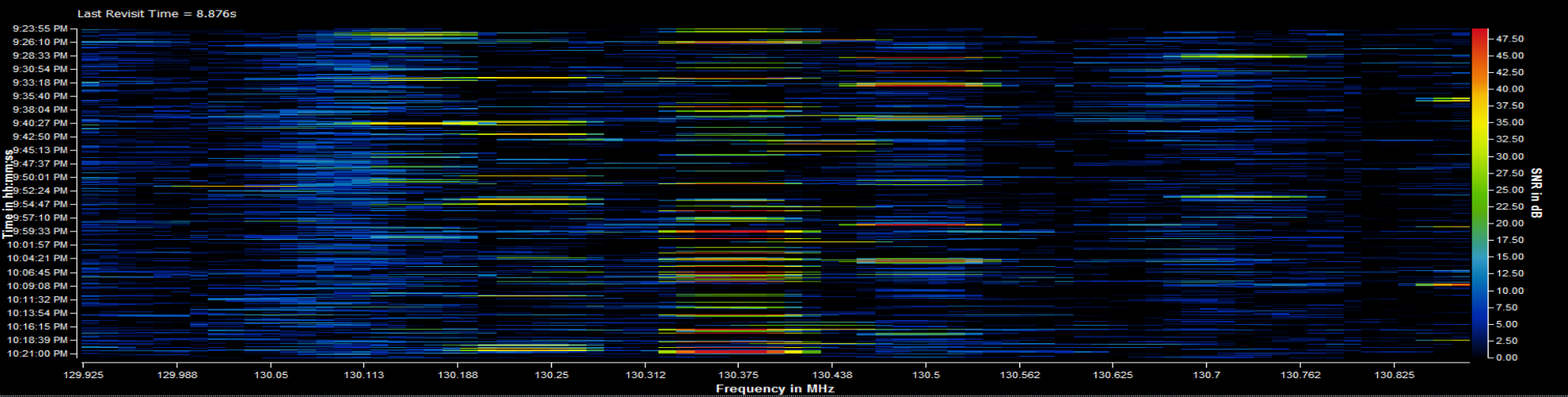
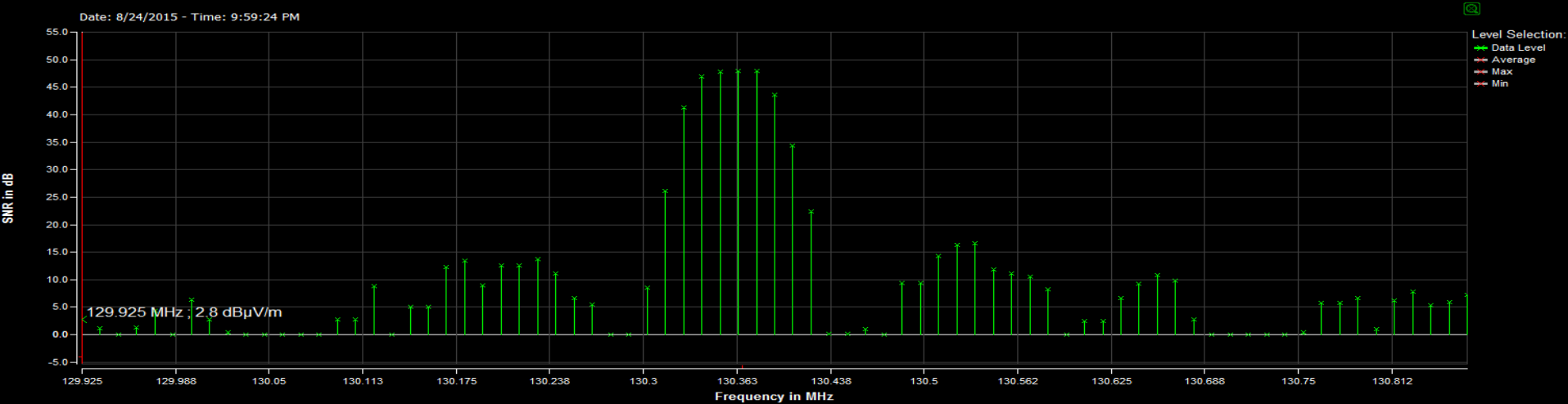
130.100 @ ORD 8/25/15

Frequency Channel Occupancy on 130.100, peaking at 82 %.



130.100 @ ORD 8/24/15

Power level in dB on 130.350, peaking at 45 dB.



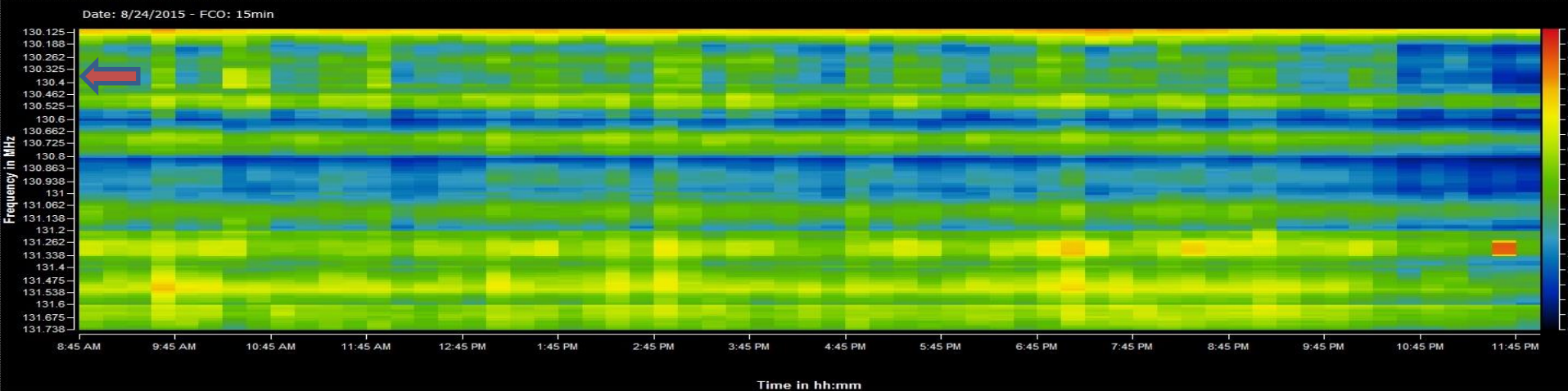
130.350 @ ORD 8/25/15

6-7 Oct 2015

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Percentage of Use on 130.350, peaks at 65%



130.350 @ ORD 8/24/2015



Questions?