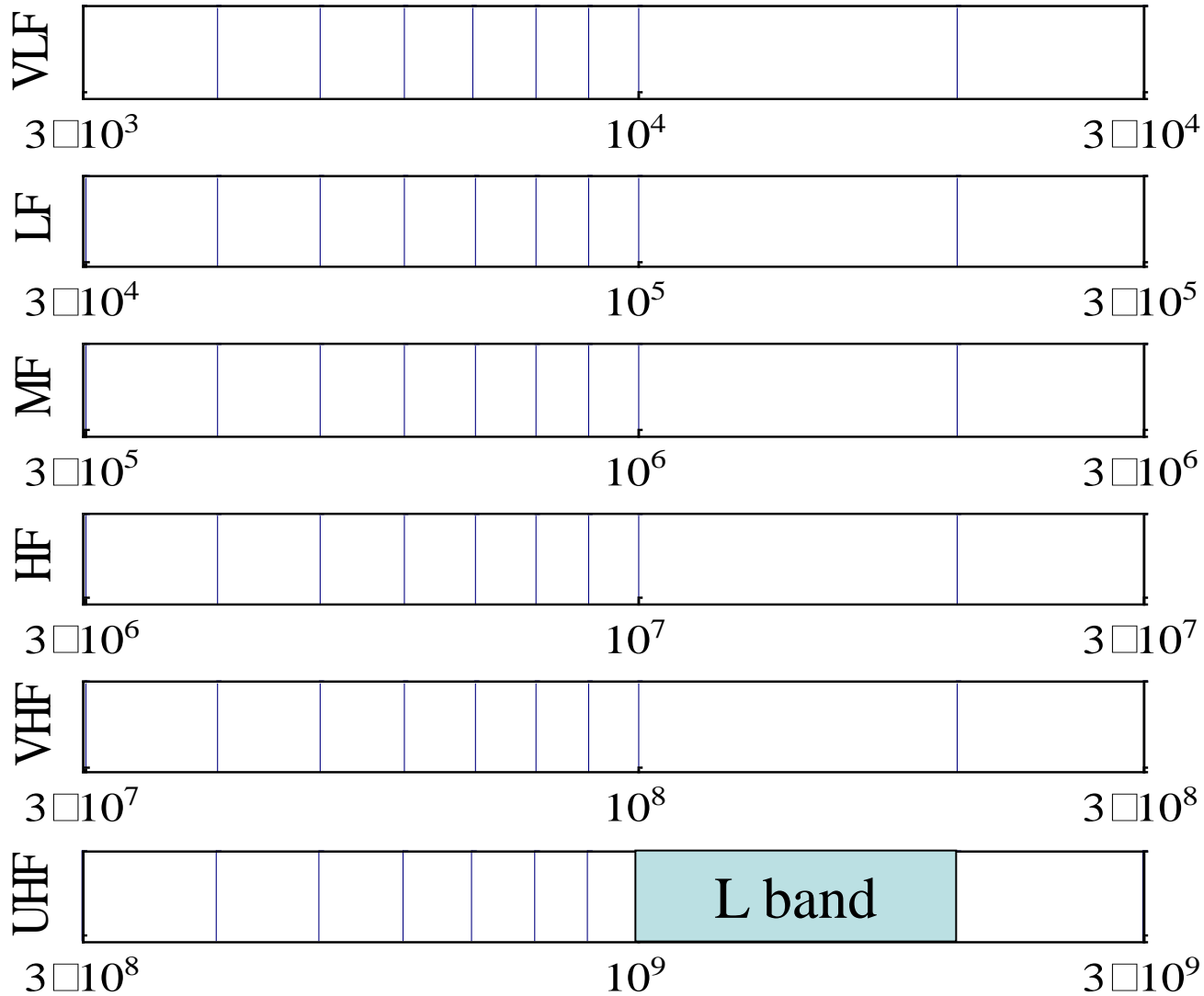
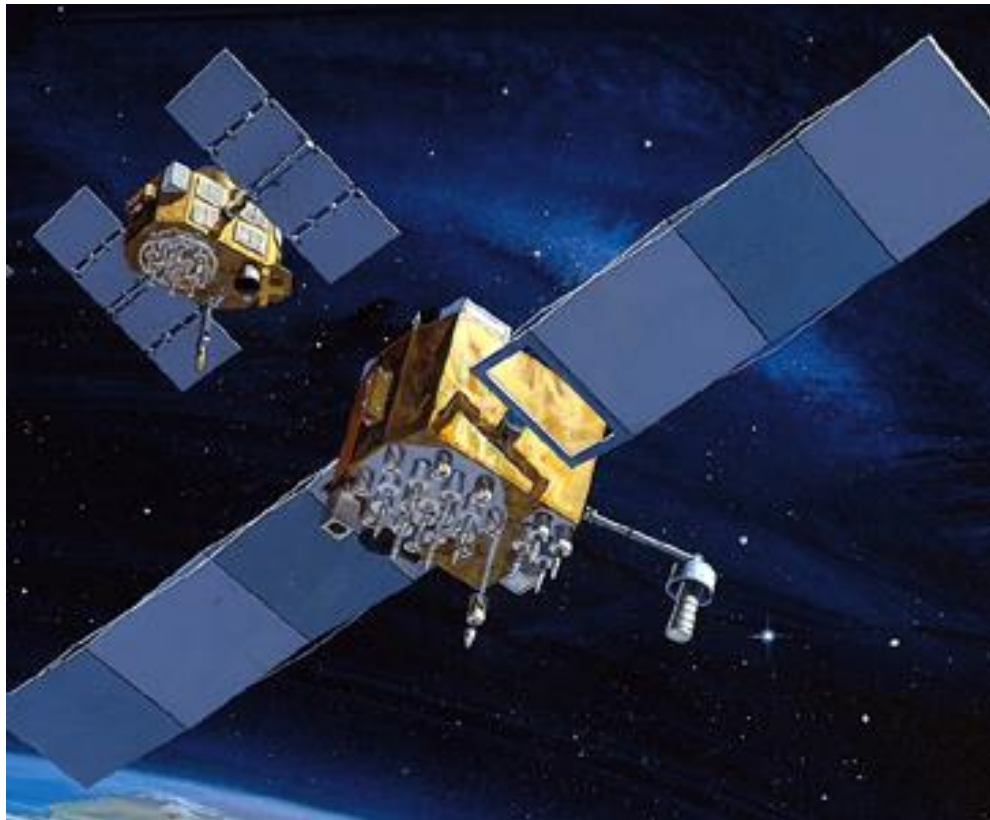
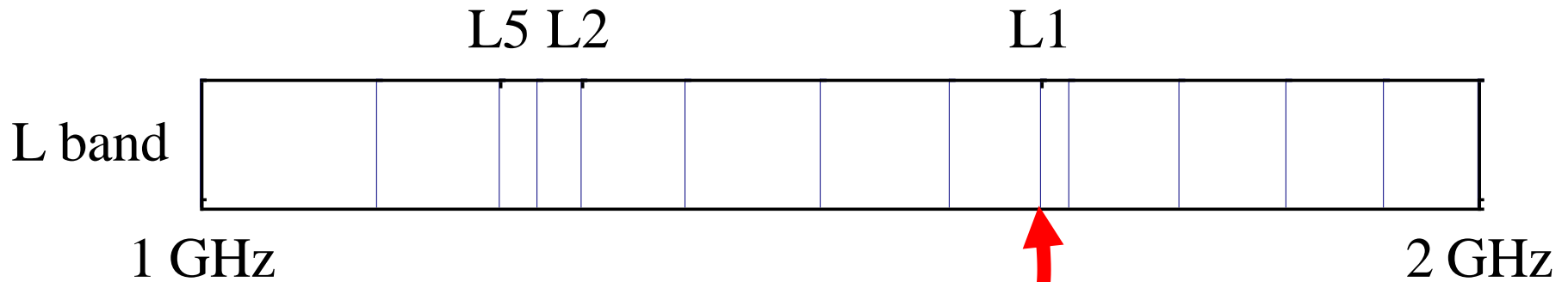


The Radio Spectrum: An Essential Resource & Chessboard



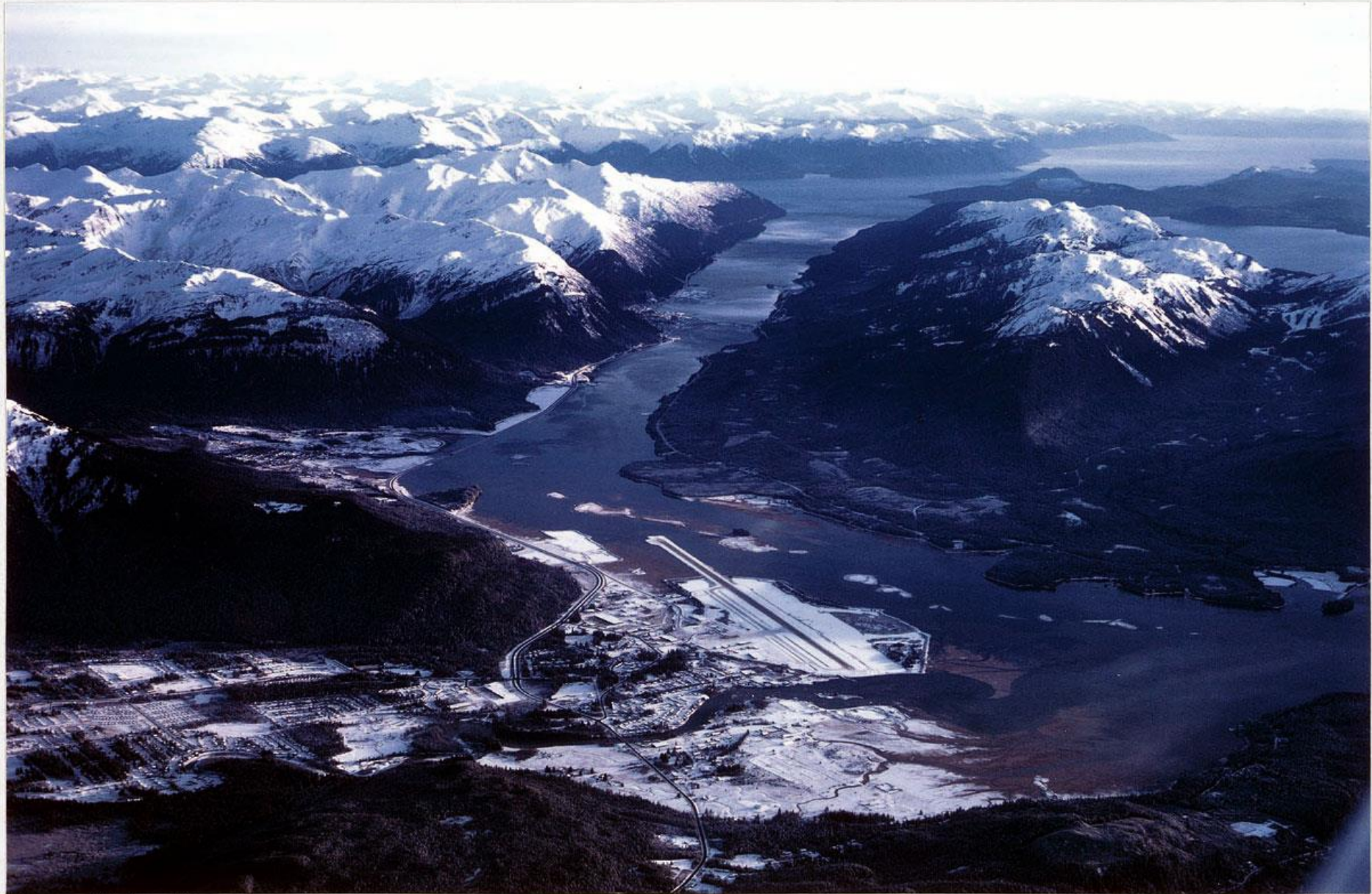
L1 Capability for Civil Users of GPS



GPS L1 supports over 100 million users:

- maritime
- aviation
- space
- cell phones
- car navigation
- science
- emergency services

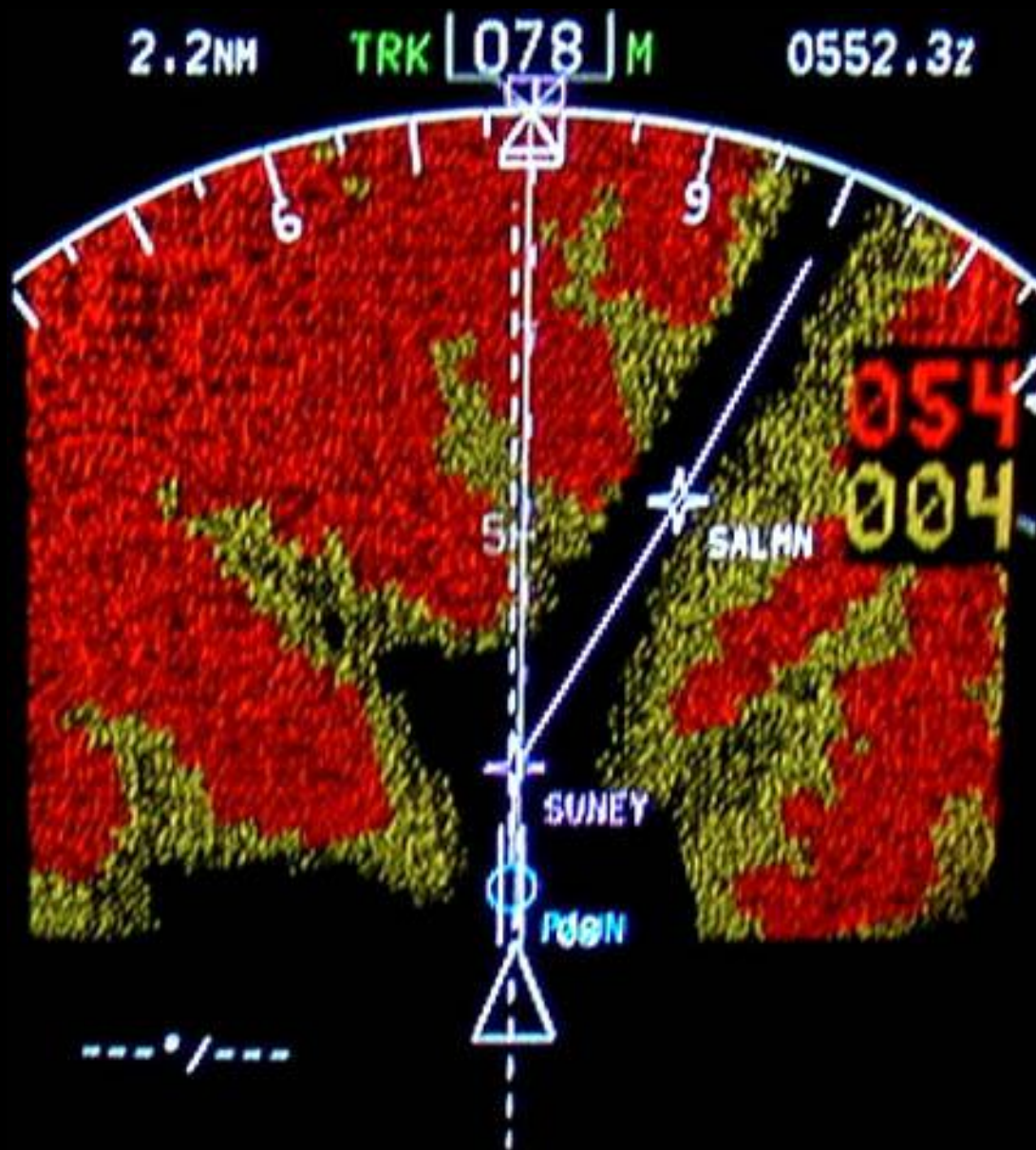
Juneau, Alaska



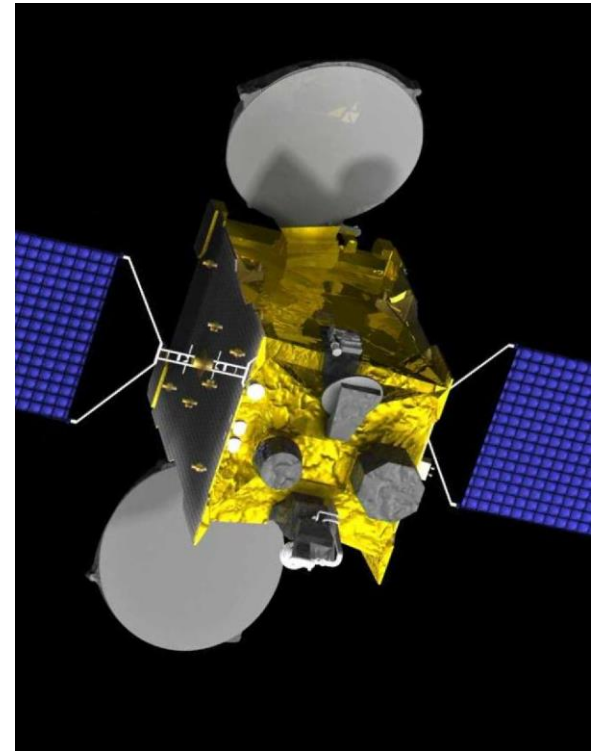
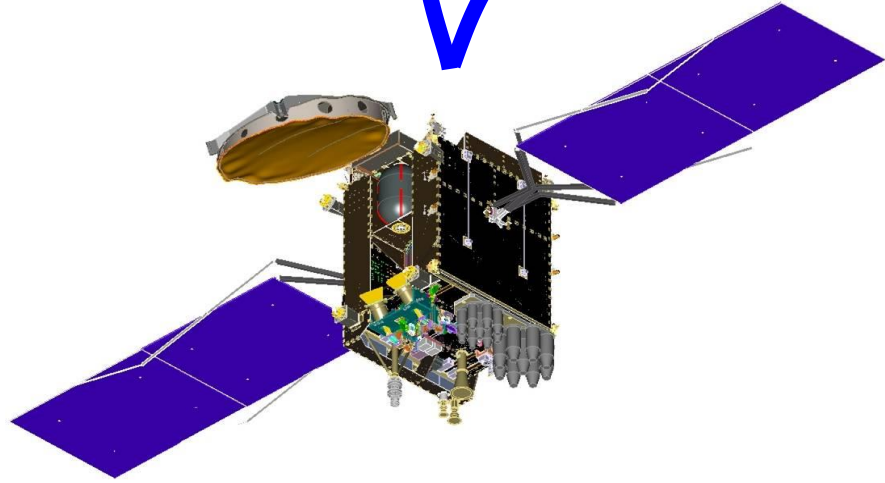
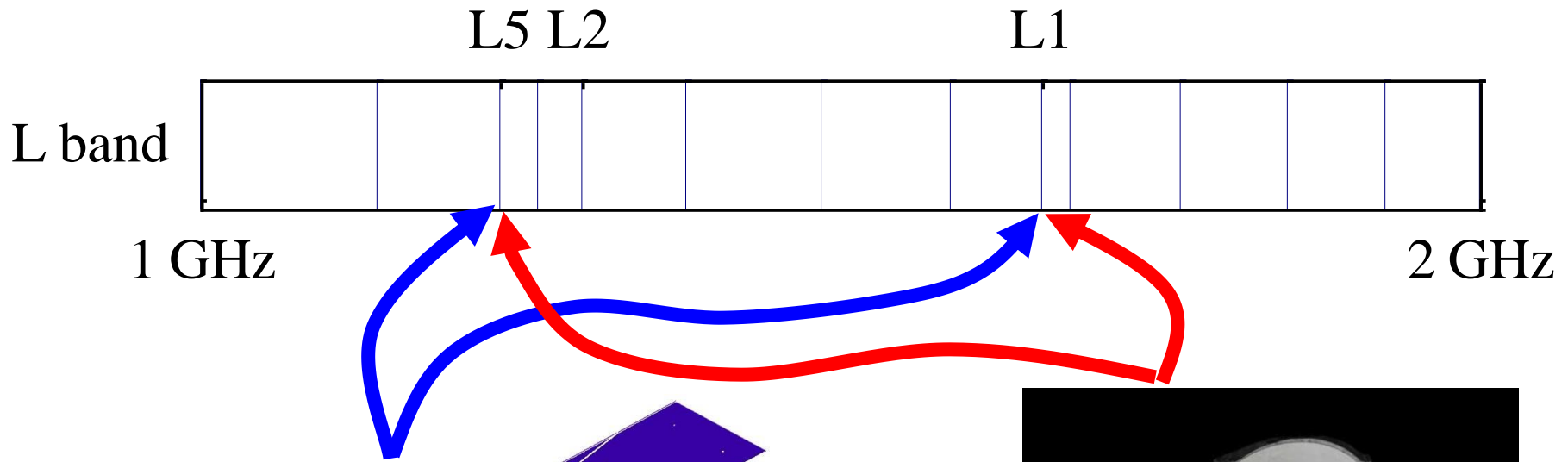
Juneau Alaska - '80







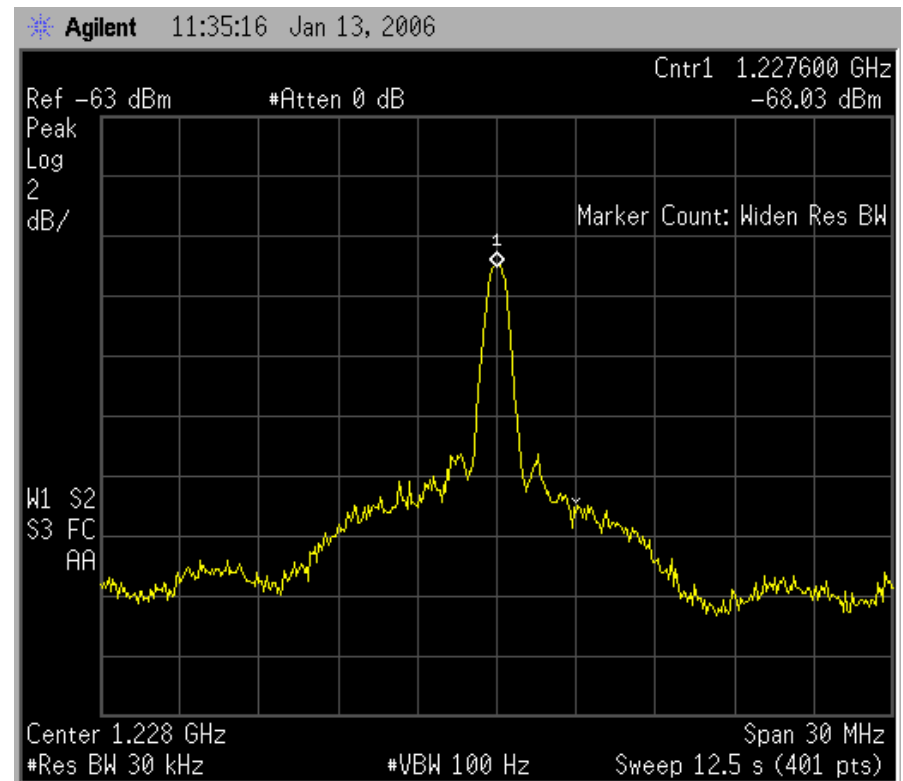
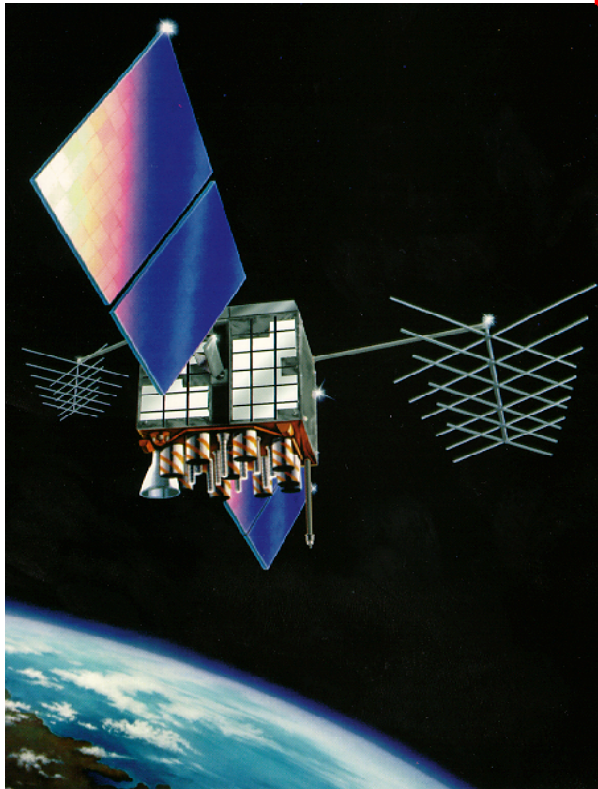
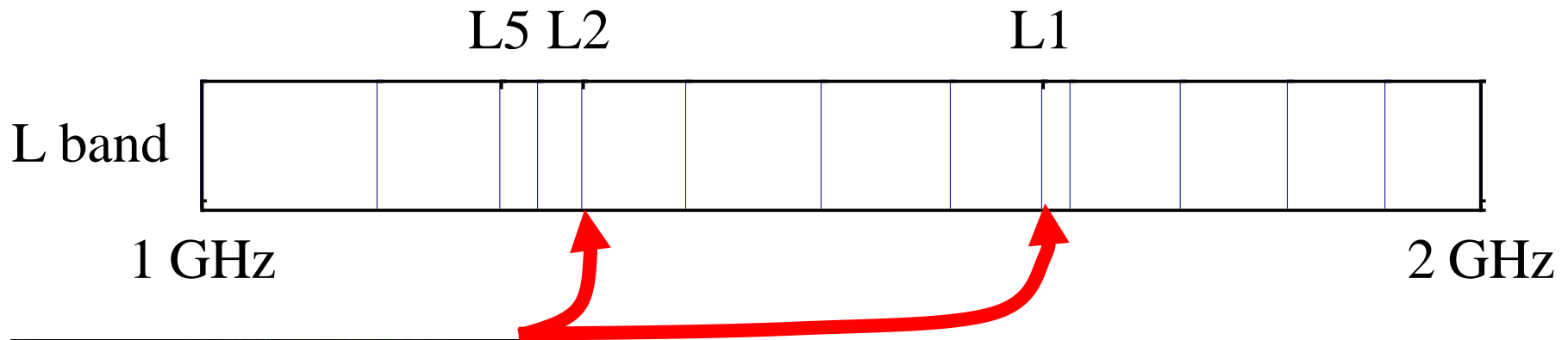
L5 Capability Launched for the FAA's Wide Area Augmentation System (WAAS)



Launched on Sept 8 & Oct 13, 2005
with L1 & L5 payloads built
by Lockheed Martin

L2 Capability for Civil Users of GPS

First Satellite Launched on Sept. 25, 2005

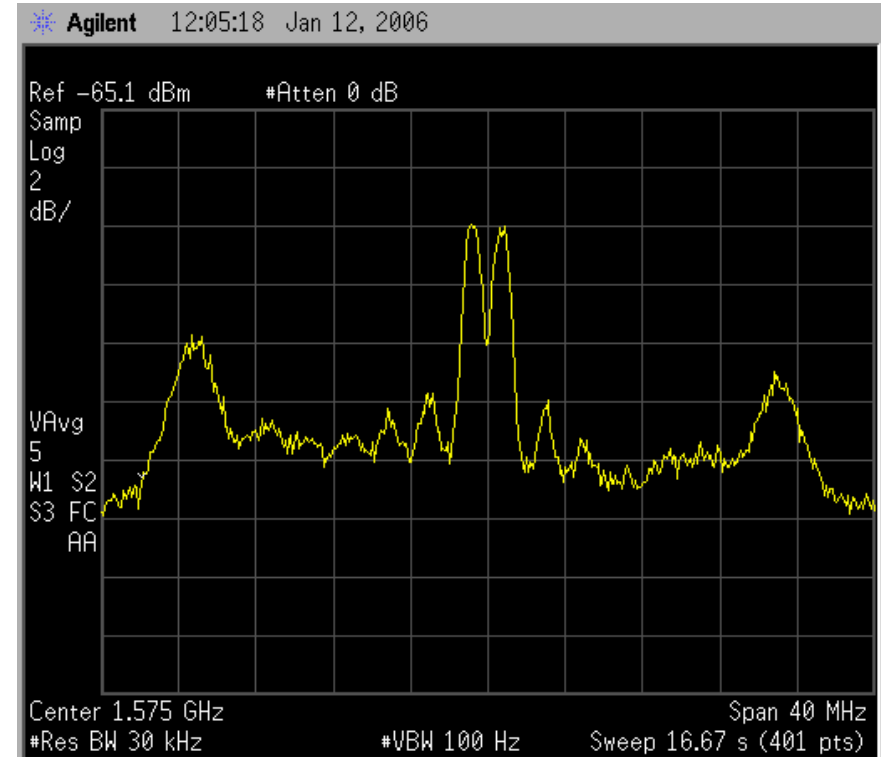
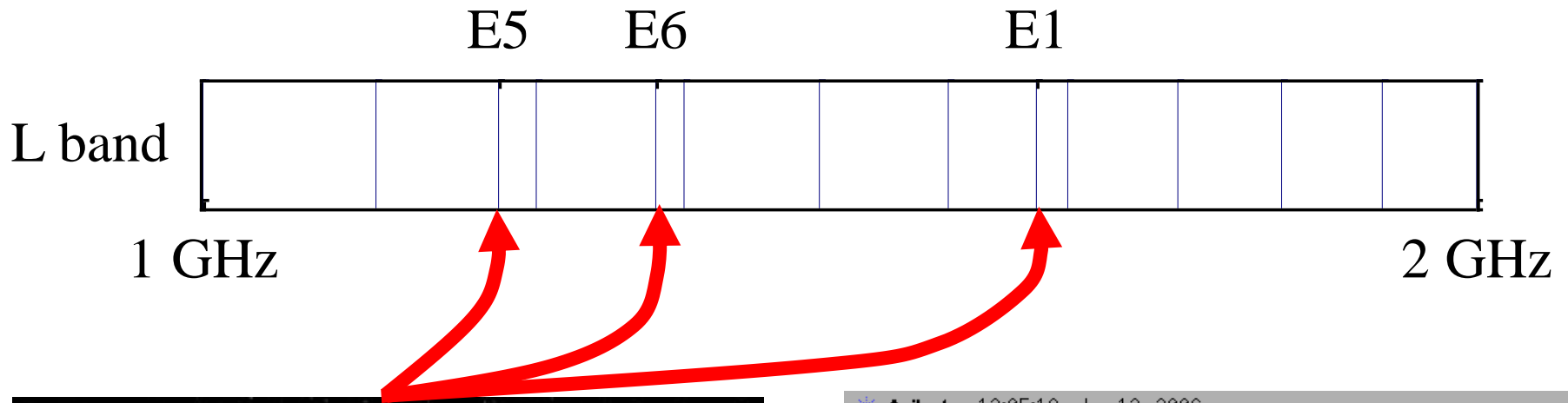


Autonomous Helicopter to Seek Unexploded Ordnance



L Band Capability for Civil Users of Galileo

First Satellite Launched on Dec. 28, 2005



Summary

- GPS is strong
- Soon, GPS will be mighty
- However, it does require our care – do not take success for granted.
 - Budget
 - Spectrum