

Scott Palo
Endowed Professor
Smead Aerospace Engineering Sciences
University of Colorado Boulder



Agile Small Satellite Challenges

- Evolving use cases with emerging business models
 - Broadband
 - High volume of data for Earth observations (hyperspectral, synthetic aperture radar)
 - Low latency weather data (passive radiometry and GPS occultations)
 - Rapid short term tech development – VC traction
- Satellite spectrum needs
 - Command and control
 - High volume downlink
 - Broadcast
- Development and licensing timelines are at odds
 - Short duration technology development missions
 - Requires ITU coordination process



SPECTRUM 

