ASRI
Aviation
Spectrum
Resources, Inc.

# VDLM2 Implementation Plan

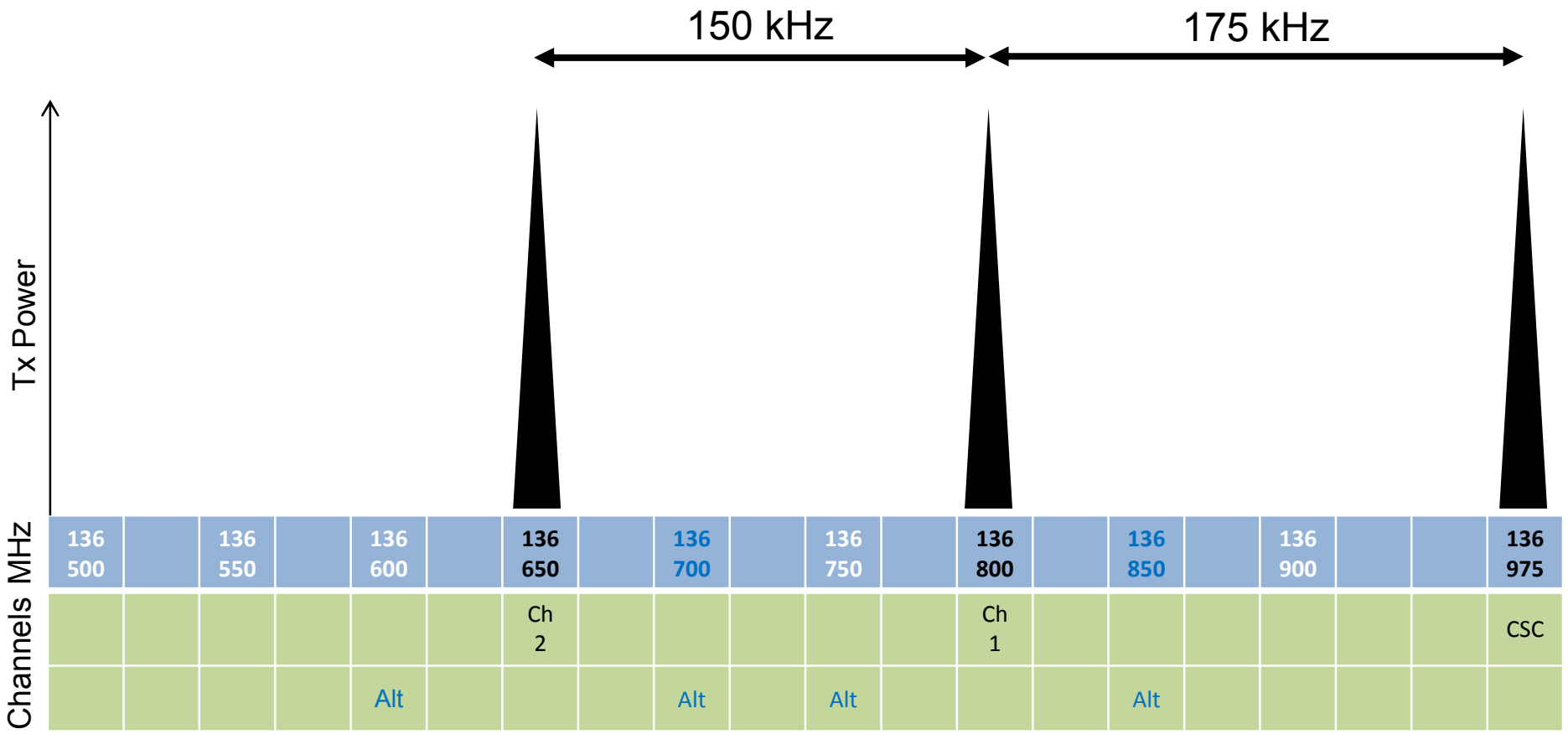
AFC Spring Meeting 2014

Vancouver, BC

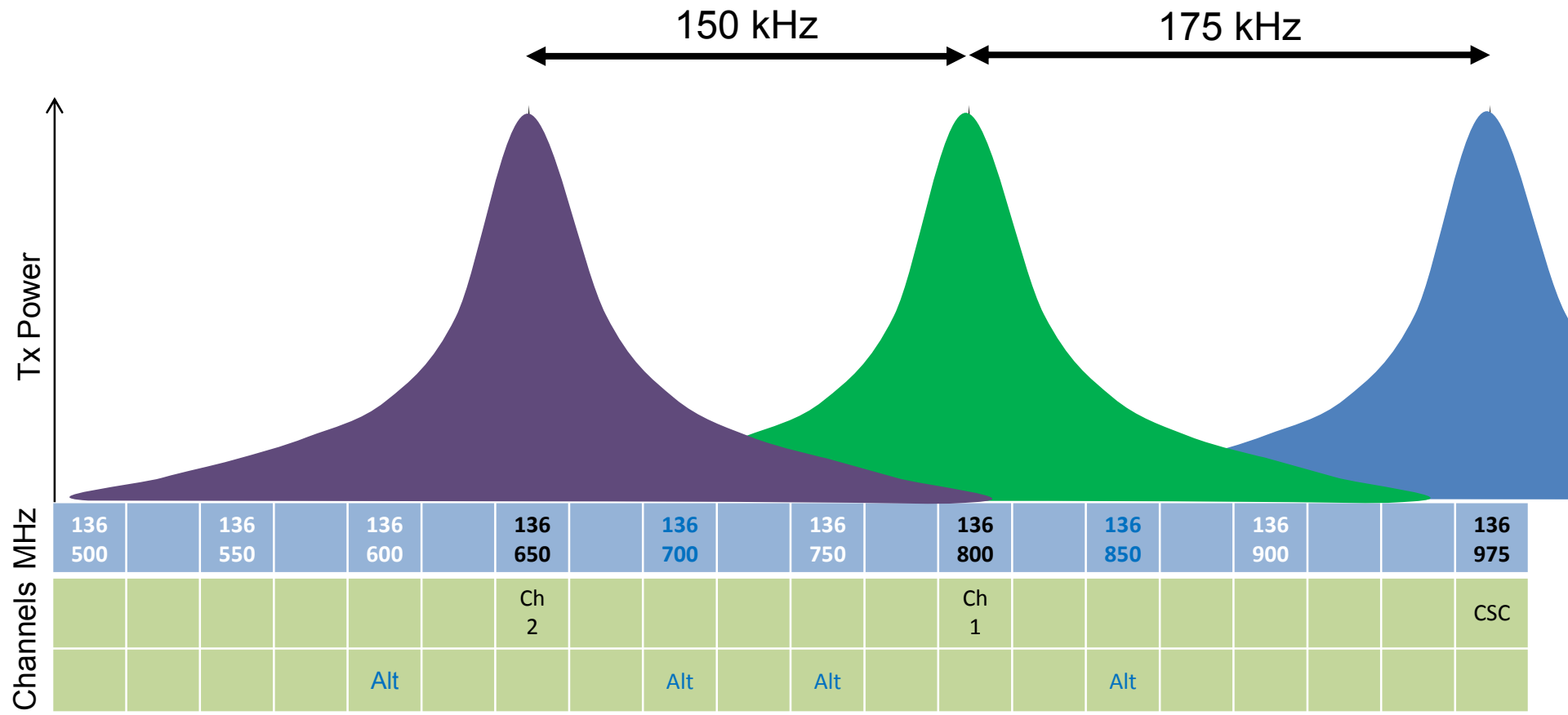
# VDLM2 and DataComm

- RC and SITA have formally requested additional VDLM2 channels
  - Future capacity required for AOC data growth
  - DataComm service requirements
- AFC channel plan created in 2010 for VDLM2 networks
  - Utilizes the upper 136 MHz band
  - Dedicated frequency for each DSP
  - Options for additional capacity
- VDLM2 signal not compatible with adjacent assignments
  - VDLM2 co-site interferes with adjacent users

# AFC Agreed VDLM2 Channel Plan



# VDLM2 Co-site Coordination



# VDLM2 Plan

- ASRI has worked with both DSPs to develop a proposal for adoption by the AFC
  - Assign new VDLM2 channels while minimizing impact on existing users
- Planning for a 3 year process from initiation on 1 Jul 2014
  - Estimated movement of over 600 licenses

# Four Phase Plan

1. Reorganize lower AOC voice users
2. Clear voice users from upper AOC
3. Migrate ACARS networks
4. Assign new VDLM2 frequencies

# Movement of Voice Users

- Moving approximately 50 voice users in the lower AOC to make room for the upper AOC ACARS migration to lower AOC
- Migration of approximately 80 upper AOC voice users to new assignments in the lower AOC

# Planning considerations

- License modification costs
  - DSPs will subsidize regulatory costs
- Increased congestion in lower band
  - Interference mitigation
- Movement of SITA ACARS base frequency
  - Impact on spectrum and customers

# Questions?