

PTC-220

Positive Train Control Update

PTC Spectrum Issues

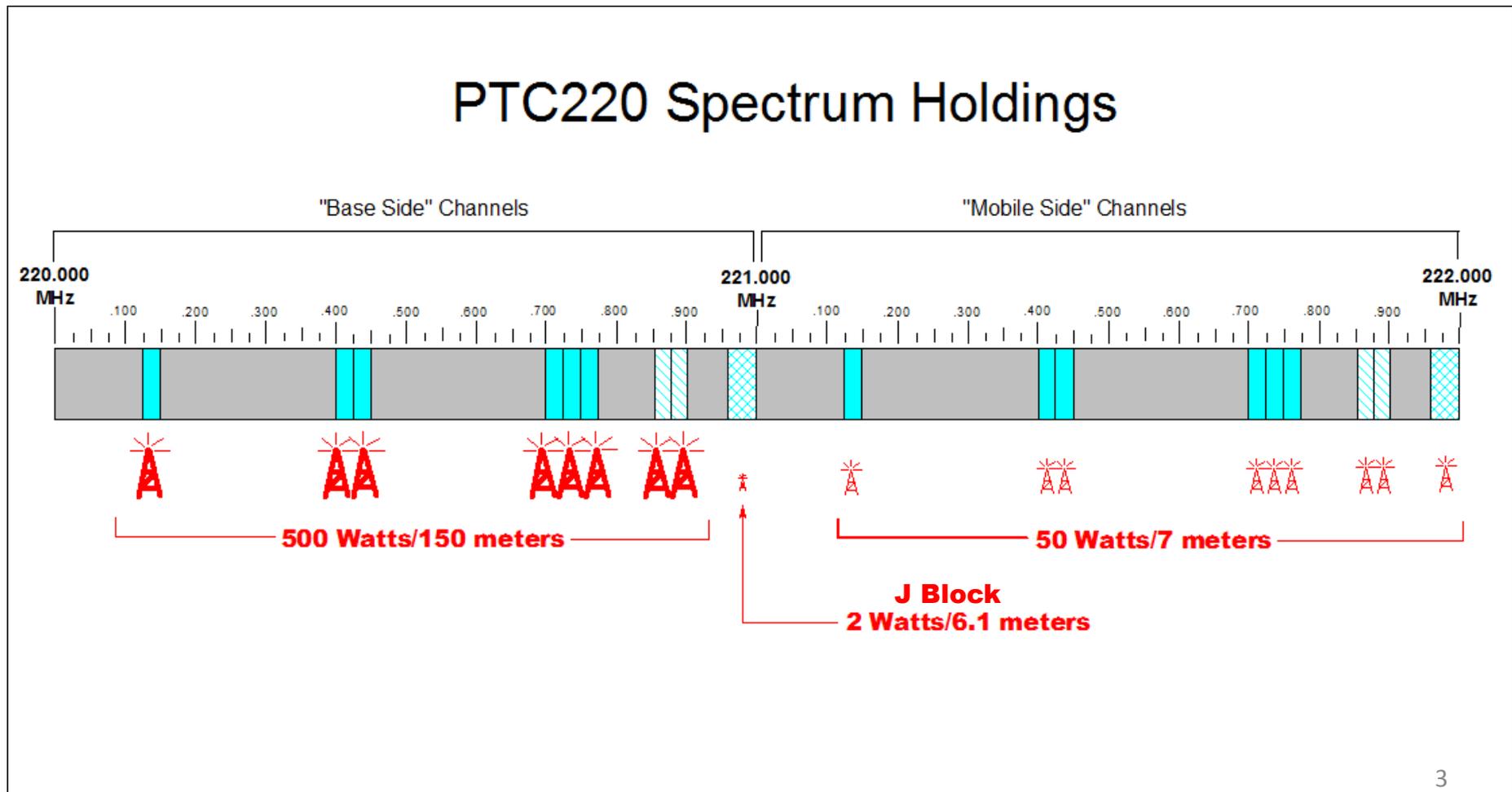
April 24, 2012

TOPICS

- Status of new waiver requests for PTC
- New Spectrum Studies

Possible Waiver Requests

- Possible need for waivers is related to power/antenna height restrictions
 - “Mobile Side” frequencies
 - J Block Base Side



Status of Possible Waiver Requests

- Characterizing potential interference for Mobile Side
- Investigating a potential spectrum swap with another 220 license holder
 - Could eliminate need for any relief for J Block
 - Should have clearer picture in next few weeks

Spectrum Need Studies

- Los Angeles & Chicago Complete
Presentation to FCC December, 2011
- Next three cities now in progress:
Kansas City, MO & KS
Saint Louis, MO
Philadelphia, PA
- Represent next tier in complexity
- Expect results 3Q 2012

