



Louis Sigalos

Operations & Emergency Management  
Public Safety & Homeland Security Bureau

# US - Mexico 800 MHz Agreement\*

- **Update on 800 MHz Band Reconfiguration Along Mexico Border**
- **Status of Discussion with Mexico on Other Bands**

\* PowerPoint inspired by and plagiarized from the work of Brian Marengo, Policy and Licensing Division



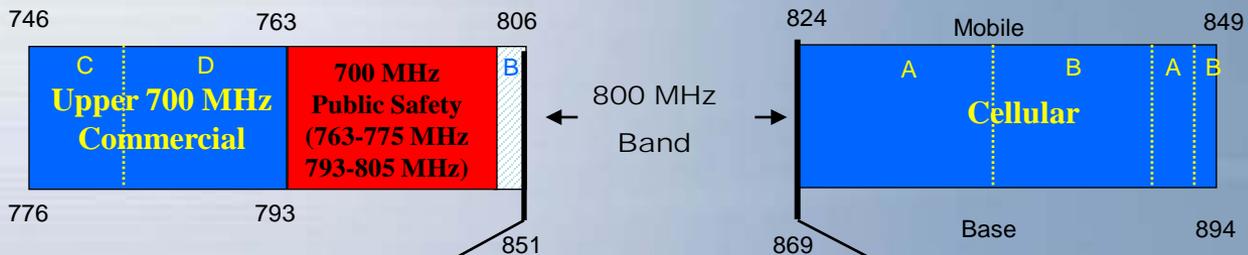
**PROTOCOL  
BETWEEN THE DEPARTMENT OF STATE  
OF THE UNITED STATES OF AMERICA AND  
THE SECRETARIAT OF COMMUNICATIONS AND  
TRANSPORTATION  
OF THE UNITED MEXICAN STATES  
CONCERNING THE ALLOTMENT, ASSIGNMENT AND USE OF  
THE 806-824/851-869 MHz AND 896-901/935-940 MHz  
BANDS FOR TERRESTRIAL  
NON-BROADCASTING RADIOCOMMUNICATION SERVICES  
ALONG THE COMMON BORDER**

This Protocol is being concluded pursuant to the Agreement between the Government of the United States of America and the Government of the United Mexican States Concerning the Allocation and Use of Frequency Bands by Terrestrial Non-Broadcasting Radiocommunication Services Along the Common Border, signed at Williamsburg, Virginia, June 16, 1994 (hereinafter referred to as the “1994 Agreement”).



# 800 MHz Pre-Reconfiguration Band Plan

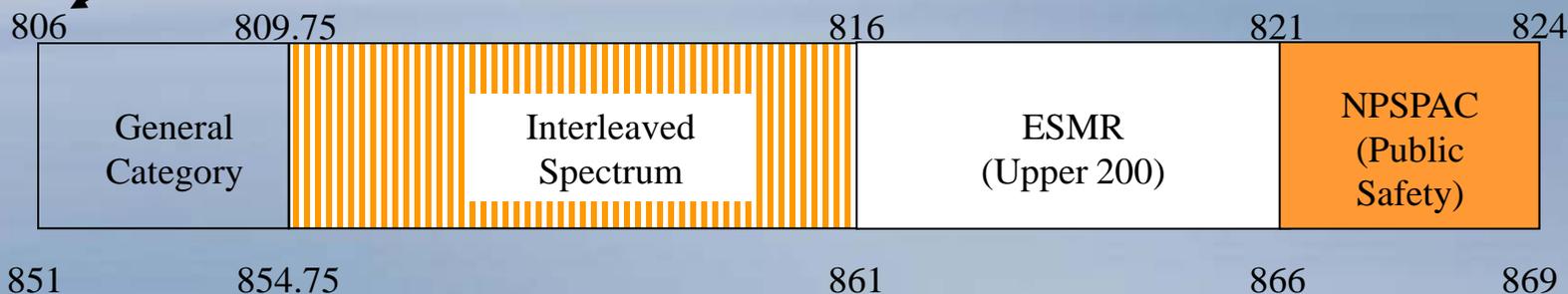




 = 700 MHz Guard Band

## 800 MHz Band

Mobile and Control Station Transmit Frequencies (in MHz)



Base Station Transmit Frequencies (in MHz)

General Category -7.5 MHz

150 Channels  
All are eligible

Interleaved Spectrum -12.5 MHz

250 Channels  
80 SMR Channels  
70 Public Safety Channels  
100 Business/Land Transportation Channels

ESMR -10 MHz

200 Channels  
For SMR Operations

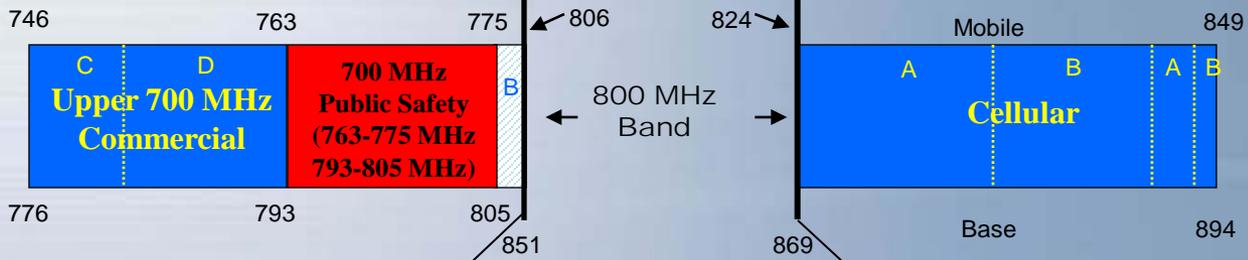
NPSPAC Public Safety - 6 MHz

225 Channels @ 12.5 kHz spacing  
5 Channels @ 25 kHz spacing  
5 Mutual Aid Channels



# 800 MHz Post-Reconfiguration Band Plan

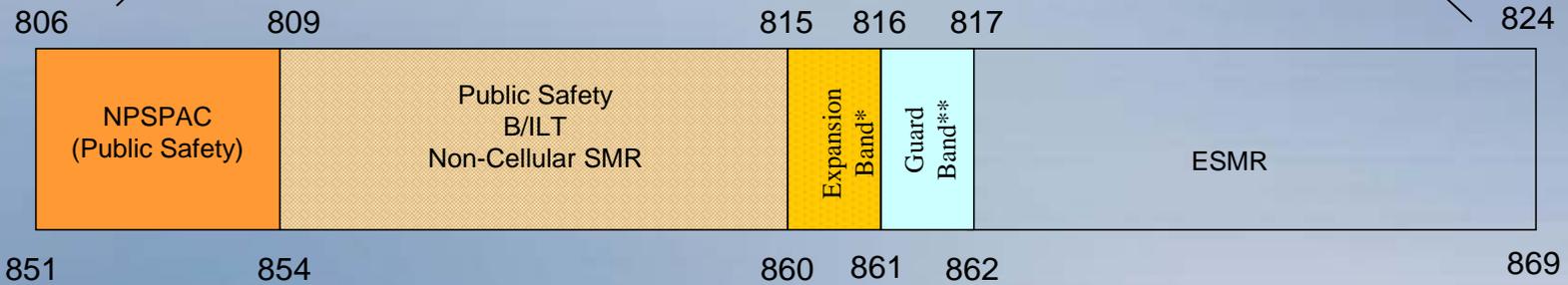




 = 700 MHz Guard Band

# 800 MHz Band

Mobile and Control Station Transmit Frequencies (in MHz)



Base Station Transmit Frequencies (in MHz)

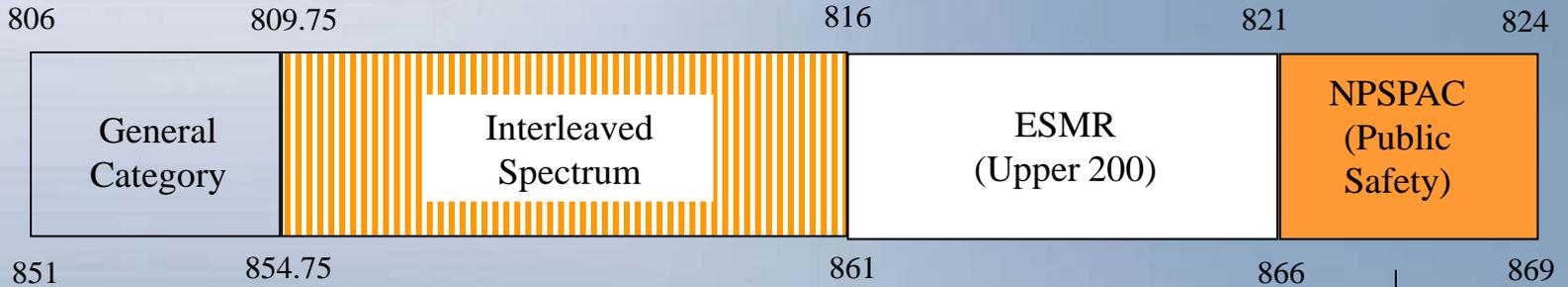
\*No public safety system will be required to remain in or relocate to the Expansion Band; although they may do so if they choose.

\*\*No public safety or CII licensee may be involuntarily relocated to occupy the Guard Band.



# Pre-Rebanding Channel Plan

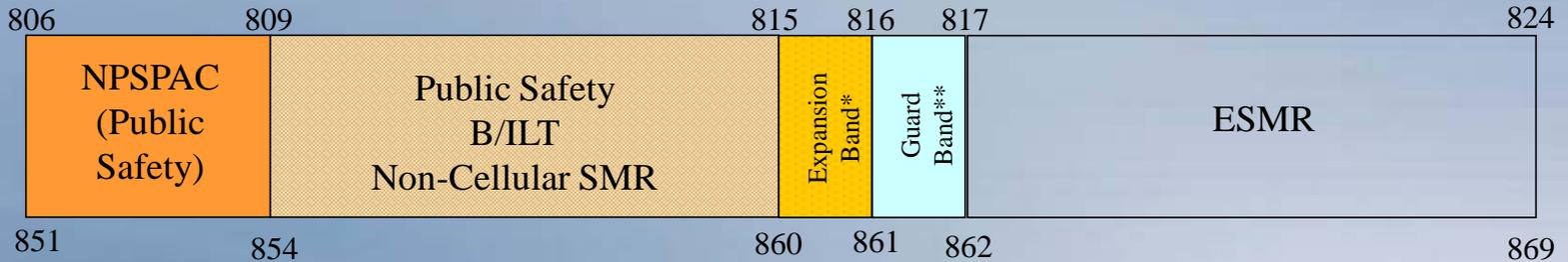
Mobile and Control Station Transmit Frequencies (in MHz)



Base Station Transmit Frequencies (in MHz)

# Post-Rebanding Channel Plan

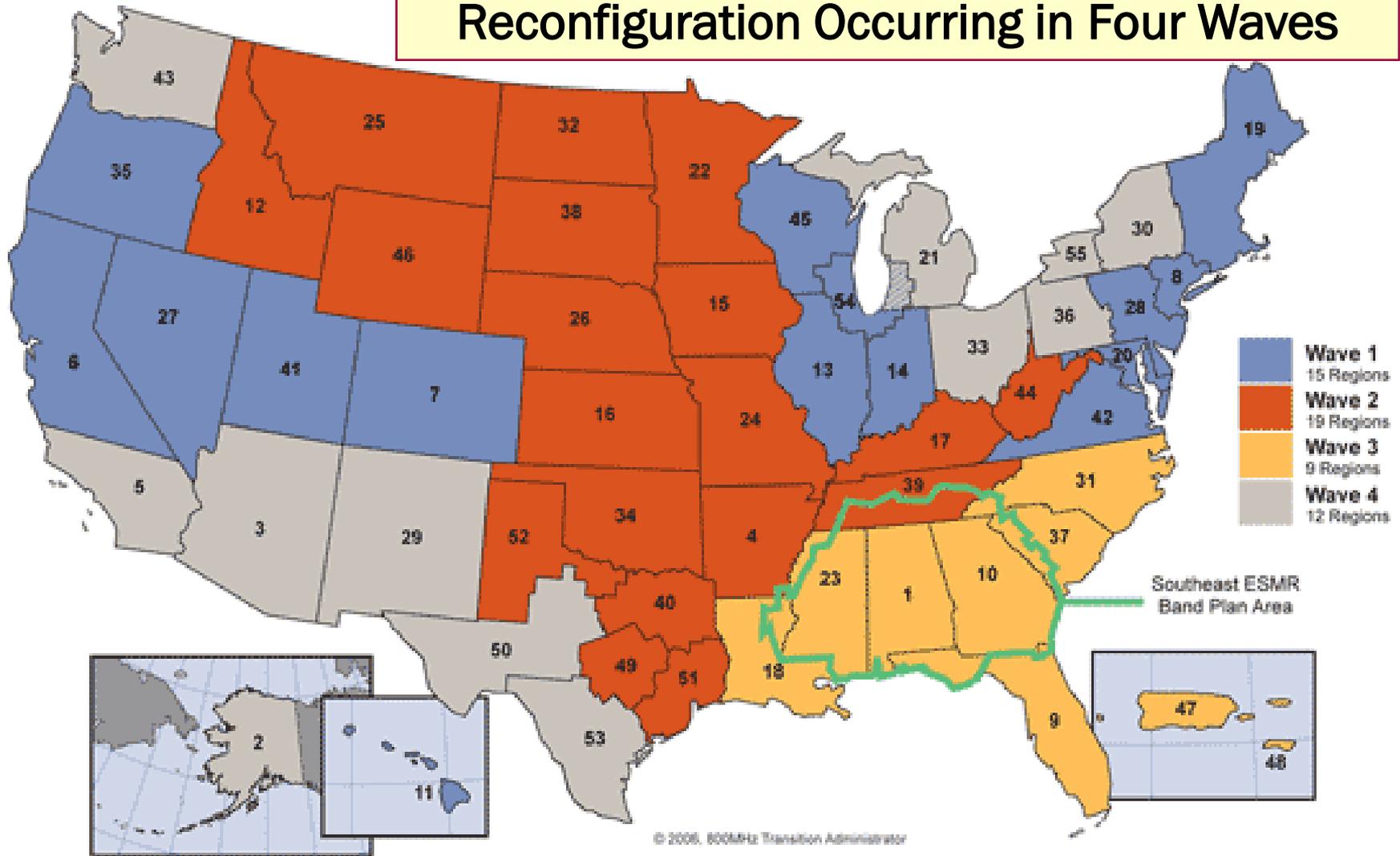
Mobile and Control Station Transmit Frequencies (in MHz)



Base Station Transmit Frequencies (in MHz)



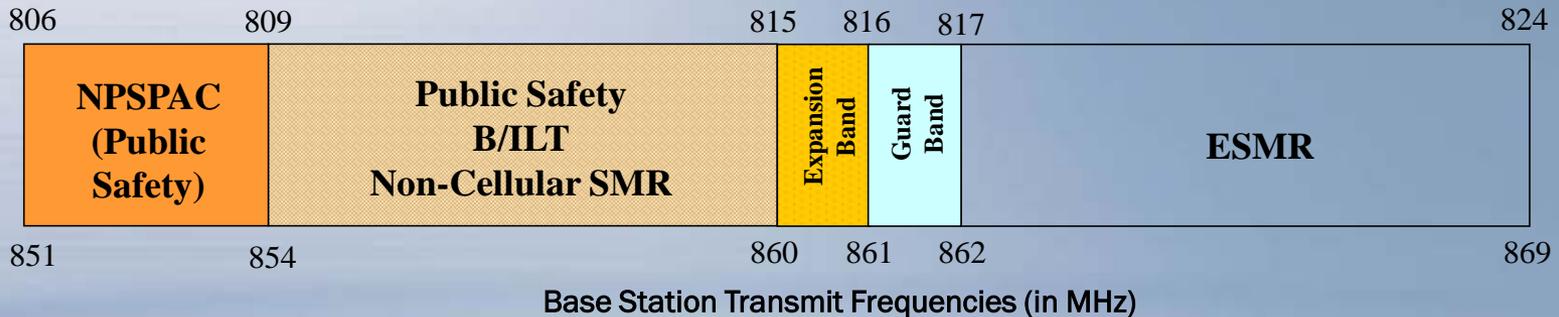
# Reconfiguration Occurring in Four Waves



# Post-Rebanding Channel Plan

(non-border)

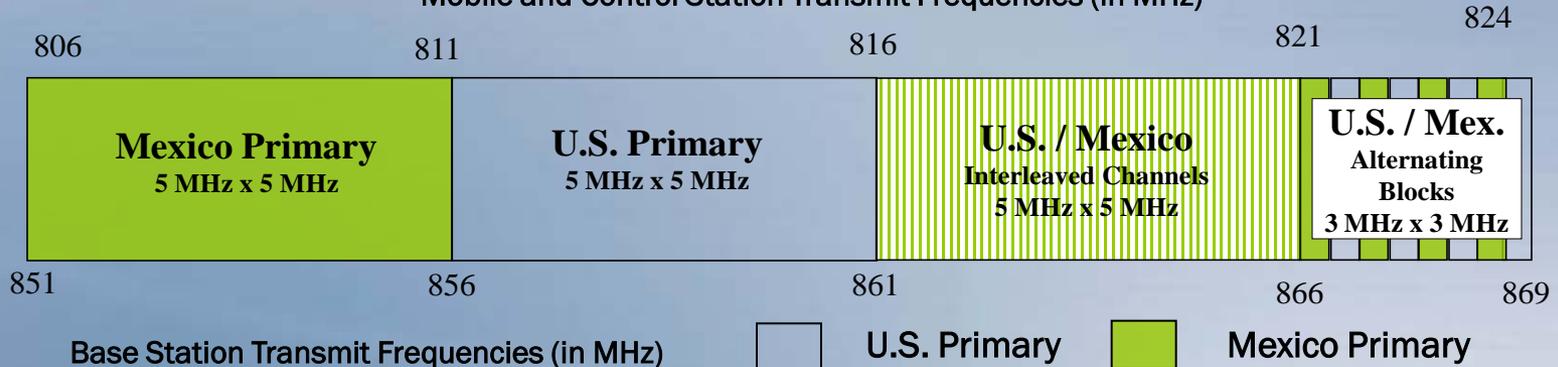
Mobile and Control Station Transmit Frequencies (in MHz)



## Previous Distribution of Primary Spectrum in Sharing Zone

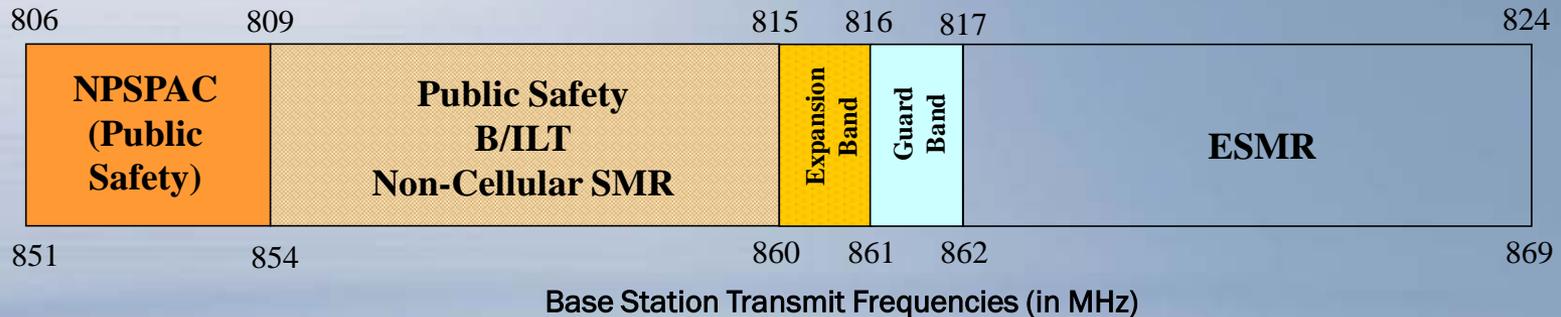
(Based on 800 MHz Protocol)

Mobile and Control Station Transmit Frequencies (in MHz)



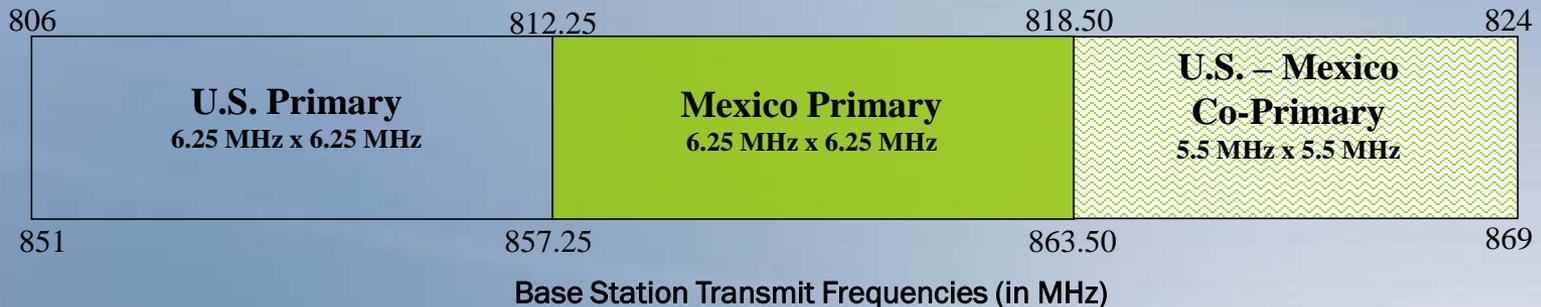
# Post-Rebanding Channel Plan (non-border)

Mobile and Control Station Transmit Frequencies (in MHz)



# Updated Distribution of Primary Spectrum in Sharing Zone (Based on Updated 800 MHz Protocol)

Mobile and Control Station Transmit Frequencies (in MHz)



# Next Steps for 800 MHz Rebanding Along Mexico Border

- ✓ Issue Notice of Proposed Rulemaking (NPRM) Seeking Comment on New Channel Plan for Mexico Border
- ✓ Issue a Follow on Notice of Proposed Rulemaking (NPRM) and Release Report and Order Based on Comments from the first NPRM
- ✓ Begin Rebanding Process Along Mexico Border



# Status of Other Bands



# Status of Agreements with Mexico for PS Bands

## Bands Below 512 MHz

- No allocation agreement
- No coordination procedures for assignments along border
- Interference resolved on a case-by-case basis

## 700 MHz Band (Narrowband and Broadband)

- Current agreement reflects Pre-2006 Band Plan
- Mexico considering Asia Pacific Telecommunity (APT) Band Plan
- Discussions ongoing on implications of potential incompatible band plans along border



# Status of Agreements with Mexico for PS Bands (Continued)

## 4.9 GHz Band

- Each country has full access to the entire band.
- No coordination is necessary if certain power limitations are satisfied.



**Thank you for your time. Any Questions?**

**Louis Sigalos, Region VI Liaison  
Public Safety & Homeland Security Bureau**

- **Work: (281) 492-6288**
- **Email: [louis.sigalos@fcc.gov](mailto:louis.sigalos@fcc.gov)**

