



# National Telecommunications And Information Administration

**Delmon C. Morrison**  
**NTIA Office of Spectrum Management**  
**[dmorrison@ntia.doc.gov](mailto:dmorrison@ntia.doc.gov)**  
**202-482-1680**



# Channelization of the Federal Microwave Bands

# Federal Microwave Bands

4400 – 4940 MHz

7125 – 8500 MHz

# Rationale For Channelization

- Background
- Spectrum Efficiency
- Manufacturing Standardization

# Rationale For Channelization

- Background
  - Frequency Selection Process
  - Coordination Process
  - Manufacturing Process

# Rationale For Channelization

## - Spectrum Efficiency

- Analog to Digital Operations
- Standardization Bandwidths
- Transmit/Transmit & Transmit/Receive Separation Criteria Standardization

# Rationale For Channelization

## - Manufacturing Standardization

- Decrease in Unit Cost
- Reduction in Production to Installation Time