U-NII-2 DFS Procedures Updates

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DFS Updates

Expedited Review
- Reduce burden of FCC Lab verification tests
- Submit request for PAG
- Must include FCC ID of Granted master device that uses the same DFS chip set, DFS software, and operational modes (BWes, etc.)
  - Software security required for new application
    - Are the GUIs the same?
  - FCC will review and compare data between new application and previously approved application
  - FCC approval not guaranteed
DFS Updates

Dynamic BW Reduction 802.11

- Mode switching: 160 to 80, 40, or 20 MHz BW modes
- For the U-NII-2 DFS bands the resulting channel must be contiguous
- Splitting into two channels is not permitted
- The new channel must meet the in-service monitoring requirement of 1 minute before transmission
DFS Updates

Dynamic In-Service Monitoring

- Commonly called Zero-Wait CAC
- DFS requires the device to look for radars for one minute before channel transmission
- Device may continue to transmit on a channel while looking ahead at a vacant channel(s) for one minute
- Provides seamless channel changes and avoids a one minute period of no transmission
- This is commonly implemented on devices with multiple receivers
Questions and Answers

Thanks!