



U-NII-2 DFS Procedures Updates

Andy Leimer

Equipment Authorization and Compliance Branch

**Federal Communications Commission
Office of Engineering and Technology
Laboratory Division**



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 (BW, 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!