



Addressing a Fast-Changing Technology Ecosystem: New Opportunities, Challenges, and Regulatory Environment

Ronald Repasi, Acting Chief
Office of Engineering and Technology
Federal Communications Commission
United States of America

February 17, 2022

Note: The views expressed in this presentation are those of the author and may not necessarily represent the views of the Federal Communications Commission



6 GHz

Unlicensed Sharing with Fixed Microwave Links

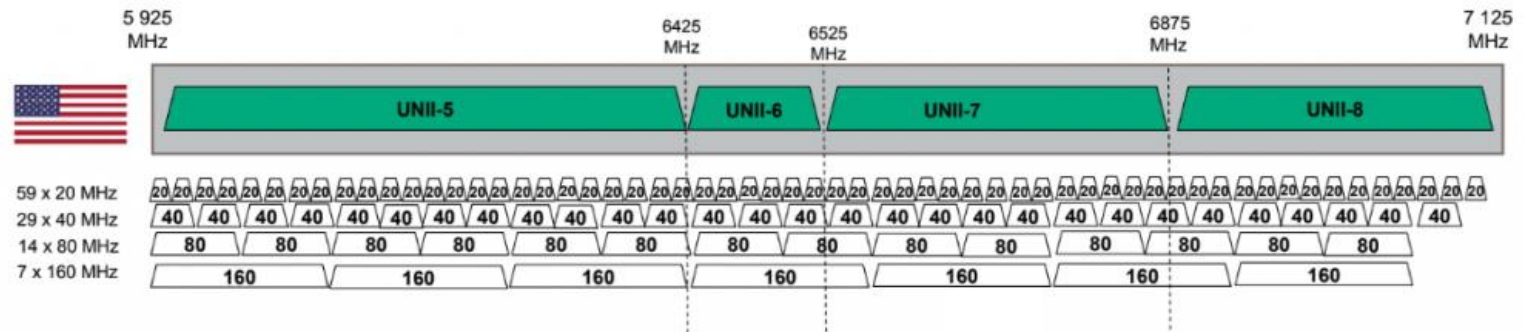
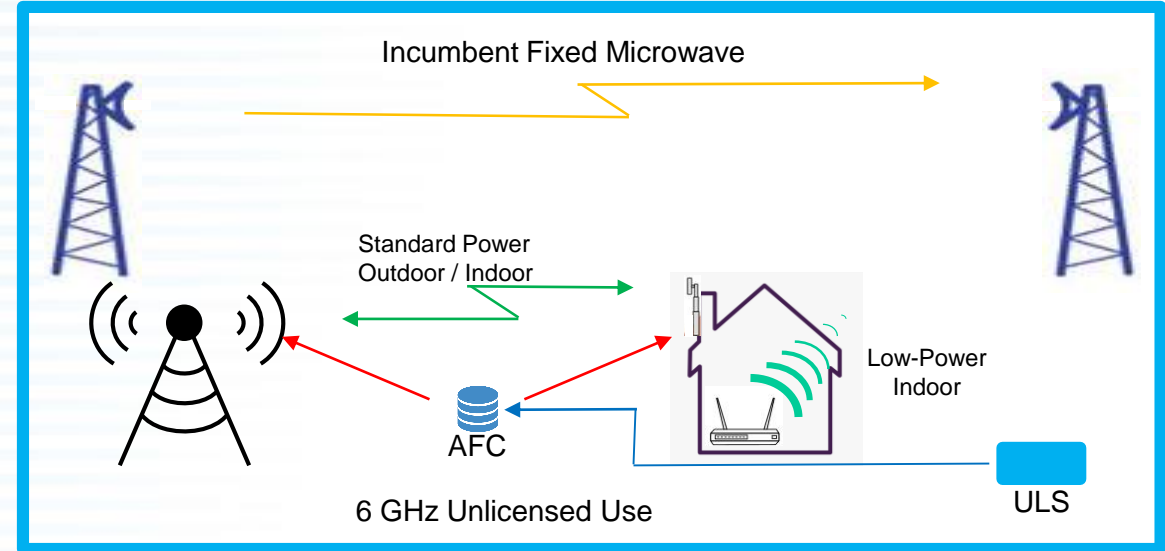
Report & Order adopted April 2020

1200 megahertz for unlicensed use in four sub-bands

- Up to (7) 160-megahertz wide channels
- Standard access points in U-NII-5, 7 only
- Low-power indoor access points across full band
- Contention-based protocol required

Further Notice of Proposed Rulemaking

- Very low power use across full band
- Additional power for low-power indoor
- Mobile standard power
- Higher power/antenna directivity for standard power





6 GHz Band Automated Frequency Coordination Systems Public Notice ET Docket 21-352

- **AFC Public Notice (PN) adopted on September 27, 2021.**
- **AFC proposals submitted by November 30, 2021**
 - Proposals must describe how the prospective AFC system operator will comply with AFC requirements and core functions
 - 14 AFC proposals submitted to date
 - Comments on proposals submitted by December 21, 2021.
- **Process:**
 - OET will review all proposals that were submitted by November 30, 2021, concurrently, and with equal priority. Proposals submitted after this date will be considered by OET, but they may not be considered concurrently with proposals submitted by November 30, 2021.
 - For proposal received after November 30, 2021, OET will issue a public notice announcing receipt of the proposal and establish a period for the public to review and comment on the proposal.
 - OET will conditionally approve as many proposals as are found to satisfy all AFC system requirements.
 - AFCs will be subject to public testing