

# **U.S. Band Repurposing and WRC-27 Preparation**

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# Repurposing & Band Studies

- FCC to auction 160 megahertz of the Upper C-Band in 2027
  - New licenses to be implemented in December 2030
  - Will necessitate new generation of radio altimeters
  - **Will create an IMT “Super Band” of 690 megahertz from 3.45 GHz to 4.14 GHz**
- 6 GHz: 5.925–7.125 GHz
  - 1,200 megahertz is dedicated to unlicensed (WiFi)
- NTIA is working with federal government partners to study four more key bands for 5G/6G:
  - ❑ 1675-1695 MHz (**1700 MHz**)
  - ❑ 2700-2900 MHz (**2.7 GHz**)
  - ❑ 4400-4940 MHz (**4.4 GHz**)
  - ❑ 7125-7400 MHz (**7 GHz**)
- Band studies required by Working Families Tax Cut Act (“One Big Beautiful Bill”) of 2025.
  - **7 GHz band study results are nearly completed and will be announced Dec. 10**
  - Results of the 1700 MHz study are due in early 2027
  - The remaining two band studies will be completed in late 2027 or in 2028

***<https://www.spectrum.gov/wftc-act-implementation>***

# U.S. Positions for WRC-27

- The U.S. has sent to CITELE proposals for the following Agenda Items:
  - AI 1.2: Smaller antenna sizes for FSS uplinks at 14 GHz
  - AI 1.4: New FSS and BSS at 17 GHz
  - AI 1.5: Unauthorized operations of NGSO earth stations
  - AI 1.6: Equitable access for FSS for in 30-40-50 GHz
  - AI 1.9: Appendix 26 aeronautical HF modernization
  - AI 1.11: MSS space-to-space
  - AI 1.14: Additional allocations to MSS
  - AI 1.15: Lunar Comms
  - AI 1.16: Radio Quiet Zones
  - AI 1.17: Space Weather
  - AI 1.19: Primary EESS in 4 and 8 GHz
- The U.S. plans to complete work on all remaining AIs (up to 1.XX) by late November's CITELE PCC.II meeting

For more info: <https://www.spectrum.gov/world-radiocommunication-conference>