

# Frequency Mapping Tool (FMT) Overview

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*Office of Emergency Communications / Interoperable Communications Technical Assistance Program*

# FMT – Narrowband License Status Objective

- *Provide a narrowband licensing status for agencies on their VHF and UHF narrowbanding progress*
- Our methodology:
  - Licensing information is a good starting point with accessible data
    - Query Land Mobile Radio (Private) licenses in FCC database
  - Use emission designator to differentiate between narrowband and wideband frequencies
    - Frequencies licensed at the same location for both wideband and narrowband use were considered to be narrowband
  - Organize results by planning regions and/or counties
  - Generate tabular and visual tools to output results



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# Excel Report of Results

- Data that is included is determined by search criteria
- By default, sorted by:
  - County → FRN → Call Sign → Frequency
- Data can be resorted using standard Excel “Sort” function
- Filtering enabled by default thus allowing for easy filtering of the data

- Information for each frequency:

1. Region
2. County
3. Call Sign
4. Licensee
5. FRN
6. Frequency
7. Wide / Narrow
8. Emission
9. Location Number
10. Antenna Number
11. Radio Service Code
12. Location (Address, City, County, State)
13. POC Name
14. POC Phone
15. POC Fax
16. POC Email
17. Site Location
18. Latitude / Longitude
19. Power (ERP)

- *Note: Not all information may be included in the FCC License*



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# Limitations of Results

- Results do not imply equipment compliance or strategies toward migrating to narrowband operations
  - May indicate intent and acknowledgement of the narrowbanding mandate if the license has a narrowband emission designator
- Only as accurate as the FCC database
  - Logical starting point; could be supplemented or corrected with additional information if available
- Can be difficult to associate frequencies with agencies
  - Contact info is included in the reports and popups



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Contact me:

[OEC@dhs.gov](mailto:OEC@dhs.gov)

Use the Tool:

[www.publicsafetytools.info](http://www.publicsafetytools.info)



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