

How to File for a 4.9 GHz License

Eligibility for a 4.9 GHz license is limited to public safety entities and communications on the band must be limited to the protection of life, health or property. Cities, towns, counties, states, municipal utilities are all eligible to hold 4.9 GHz licenses.

Each 4.9 GHz license is granted for the entire 50 MHz available in the band and all primary licensees share the band equally – there are no exclusive assignments. Licenses in the 4.9 GHz band are granted to cover the licensee’s legal jurisdiction – e.g. citywide, countywide, and statewide. Each transmitter site need not be licensed **unless** it affects an Environmentally Protected Area, is within a Quiet Zone or would require international coordination. Then the site must be licensed separately.

If the applicant is licensing a permanent fixed point-to-point system (which operations are secondary to other operations in the band), then each permanent fixed site must be listed individually on the license application giving complete information about the site.

License applications for operations at 4.9 GHz are filed using the FCC’s Universal Licensing System (ULS). At any time during the electronic filing process, if you do something wrong, or fail to complete a required field, an error message will appear explaining what was completed incorrectly or what information is missing. The system will not let you advance to a new screen until the current screen is completed successfully.

Log onto the FCC’s Universal Licensing System at <http://wireless.fcc.gov/uls/>.

- Click on “On-Line Filing.”
- Enter your FCC Registration Number (FRN) and your password¹
- Click ‘Submit’
- A screen will appear that says “My Applications” – Application at a Glance
- Click on the “Apply for New License” link on the left hand side of this page
- A screen will appear that says “License Manager”
- Use the drop-down box to select the radio service code “PA”
- Click “Continue”
- The Form 601 will appear
- When filling out a Form 601 on-line, certain fields will not require completion – these fields appear faint or faded on the screen.
- First item you will need to respond to is “Will this application require a waiver of the Commissions rules?”
- Select ‘No’²

¹ If you do not have an FCC Registration Number (FRN) you will have to register your Taxpayer Identification Number (TIN) with the FCC following the on-screen prompts using “CORES”. CORES is available on-line on the ULS homepage.

- Click ‘No’³ to the question ‘Are attachments filed with this application?’
- Next question is: “Interconnected Service?”
- Answer yes or no
- Next field is “Fee Status”
- Governmental entities are exempt from fees
- Click “Next page.”
- On the drop down screen in the field “The licensee is” select ‘Governmental Entity’
- Complete all the blank fields (name, address, etc.)
- Click “Next Page.”
- Ownership Questions/Qualifications
- Answer each of the questions using the drop-down boxes
- Click “Next Page.”
- Type the name of the party authorized to sign the application in the box
- Click “Next Page”
- The control point section comes up
- Click on ‘add a control point.’ And fill in the control point information, address, and telephone number.
- Click on ‘Save”
- Click on “Next Page.”
- The Eligibility screen will appear. Enter rule section 90.1203. Describe your activity just as always – e.g. applicant is a governmental entity, etc.
- Click on “Next Page.”
- The Location Page comes up
- Click on “Add”
- Using the drop down box on Location Description Click on “T – Temporary Fixed.”⁴
- Using the drop down box on Area of operation code, choose the area of operation that corresponds with your legal jurisdiction – Countywide, Statewide, or ‘Other’ (for Citywide operations), or kmra around a center point, or box rectangular”
 - A dialogue box will open up after you select the Area of Operation. If you choose:
 - “Other” indicate “within the legal jurisdiction of (city),”
 - “kmra around a set of coordinates,” enter the coordinates, city and state.
 - “County”, enter the county
 - “State”, enter the state

² Operation on-board aircraft requires a waiver.

³ If you have requested a waiver, you will need to answer ‘yes’ to this question because the waiver will be attached to the application.

⁴ Temporary Fixed operations are primary. If you propose to operate permanent fixed point-to-point stations, you must select that option from the drop down menu and each permanent fixed site must be listed separately on the application. You must provide coordinates, ground elevation, antenna height, HAAT, etc. for each site.

- The last two questions on the page are whether or not the sites would result in an Environmental Effect or are located within a Quiet Zone. Answer these questions using the drop down boxes.
- Click on “Next Page.”
- This is the antenna page; no information is needed, unless you are filing for permanent fixed point-to-point operations. Click on “Next Page.”
- This is the frequency page. You do not need to enter anything in this section because the Universal Licensing System automatically fills in the frequency range for 4.9 GHz.
- At the bottom of the page, select ‘submit’ to file the application with the FCC.
- The FCC assigns your application a file number so that you can track it if necessary. You should receive a granted license within a short period of time. Some grant literally overnight.