

## Applying for a 25 kHz FCC License

30 Apr 2012

### FCC Narrowbanding Requirement

On 1/1/13, all people transmitting data between 421 and 512 MHz within the United States must operate within 12.5 kHz channels or transmit at least 19200 bps in 25 kHz channels.

You will not need to contact the FCC regarding existing licenses as long as you have a valid license and operate within the narrowbanding strictures. You may apply for a new license or renew or modify an existing license using the FCC's Universal Licensing System Service at [www.wireless.fcc.gov/ULS](http://www.wireless.fcc.gov/ULS). You may alternatively pay a licensing agency to apply for you.

Before starting the application process for license renewal or modification, you should gather the following information on your license:

- Your FCC Registration Number (FRN)
- The password associated with your FRN
- Your FCC Call Sign(s)

Your FRN and call sign(s) are printed on your license. If you have forgotten your password, the FCC website has a way of retrieving it (<https://esupport.fcc.gov/password.htm>).

If you are applying on-line, click the appropriate link on the left margin of the FCC ULS's **License Manager** page under the **My Licenses** heading:



FCC Federal Communications Commission

## License Manager

FCC > Wireless > Licensing > Online Systems > License Manager

Logged In: 0005921291 ([Log Out](#))

- ▶ [Apply for a New License](#)
- ▶ [Associate Licenses With Your FRN](#)
- ▼ [My Licenses](#)
  - [Renew Licenses](#)
  - [Update Licenses](#)
  - [Request Duplicates](#)

Call Sign

Renewing or modifying a 25 kHz license or applying for a new 25 kHz license requires that you take a special step. On the **Application Information** page of the ULS site, you should check the answers as shown in red below and make sure to check **Yes** for the question "Are attachments being filed with this application?"

Administrative	Location	Antenna	Frequency
<b>Application Information</b>	Applicant	Ownership Questions/Qualification Questions	General Certification Statements   Control Point
<b>FCC 601</b> <b>Wireless Telecommunication Bureau</b> <b>Public Safety and HomeLand Security Bureau</b>			Approved by OMB 3080-0798
<b>Application Purpose</b> <input type="text" value="MD"/>	<b>Radio Service Code:</b> <input type="text" value="PW"/>	<b>File Number:</b> <input type="text"/>	<b>Callsign:</b> <input type="text" value="WPUG430"/>
If this application is for a Developmental License, Demonstration License, or a Special Temporary Authorization (STA), enter the code and attach the required exhibit as described in the instructions. Otherwise enter N (Not Applicable).			
If this application is for Special Temporary Authority due to an emergency situation, enter "Y"; otherwise enter "N". Refer to Rule 1.915 for an explanation of situations considered to be an emergency.			
If this application is for a New, Amendment, Renewal Only, or Renewal/Modification enter the requested authorization expiration date MM/DD (this item is optional):			
Is this application "major" as defined in Section 1.929 of the Commission's Rules when read in conjunction with the applicable radio service rules found in Parts 22 and 90 of the Commission's Rules? (NOTE: This question only applies to certain site-specific applications. See the instructions for applicability and full text of Section 1.929).			
Does this application include a request for Waiver of the Commission's rules? If "Yes", attach an exhibit providing rule numbers and explaining circumstances.		If a feeable waiver request is attached, enter the number of rule section(s) being waived.	
<input type="radio"/> Yes <input checked="" type="radio"/> No		<input type="radio"/> Yes <input checked="" type="radio"/> No	
Are attachments being filed with this application?			
<input checked="" type="radio"/> Yes <input type="radio"/> No			
<b>Regulatory Status</b> This application is for authorization to provide or use the following type(s) of radio service offering (enter all that apply):			
<input type="checkbox"/> Common Carrier <input type="checkbox"/> Non-Common Carrier <input checked="" type="checkbox"/> Private, internal communications <input type="checkbox"/> Broadcast Services <input type="checkbox"/> Band Manager			
<b>Type of Radio Service</b> This application is for authorization to provide the following type(s) of radio service (enter all that apply):			
<input checked="" type="checkbox"/> Fixed <input checked="" type="checkbox"/> Mobile <input type="checkbox"/> Radiolocation <input type="checkbox"/> Satellite (sound) <input type="checkbox"/> Broadcast Services			
Interconnected Service?			
<input type="radio"/> Yes <input checked="" type="radio"/> No			
<b>Fee Status</b> Is the Applicant exempt from FCC application fees?			
<input type="radio"/> Yes <input type="radio"/> No			
Is the Applicant exempt from FCC regulatory fees?			
<input type="radio"/> Yes <input type="radio"/> No			
<b>Receipt Date (MM/DD/YY)</b> <input type="text" value="6/20/10"/>			

Then attach a Word or Notepad document stating the following:

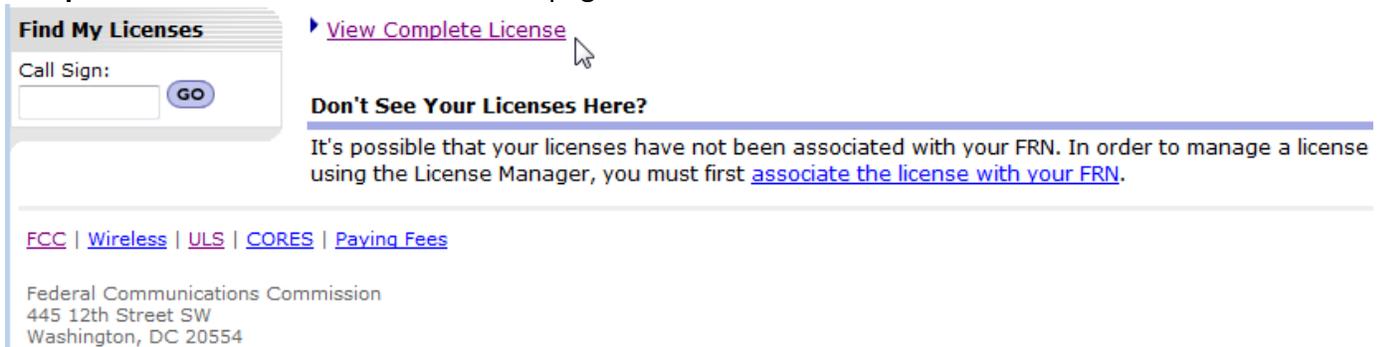
Operation complies with the narrowband equivalent efficiency standards under Section 90.203(j)(3) in that it supports a minimum data rate of 4800 bits per second per 6.25 kHz of channel bandwidth.

In addition, the attachment must include the radio's FCC ID#, which will enable the FCC licensing staff to confirm that the equipment operates in the narrowband-equivalent mode.

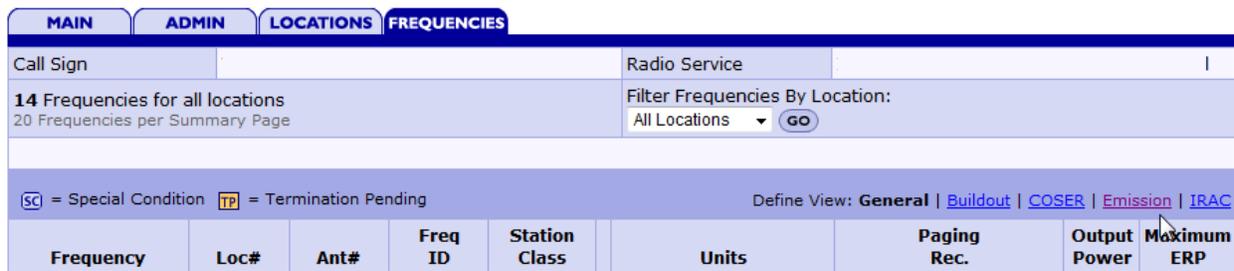
The FCC ID#s for Pacific Crest Radios are as follows:

Model	FCC ID Number
PDL HPB	KEAPDL4535
PDL LPB	KEAPDL4520225
EDL II	KEAPDL4520225
Sitecom	KEAPDL4520225
ADL Vantage Pro	KEAADLP
ADL Vantage	KEAADLV
ADL Sentry	KEAADLS
ADL SLR3	KEAADLF

If you are unsure whether you are currently licensed for 12.5 or 25 kHz channels, click **View Complete License** near the bottom of the page.



Then click the **Frequencies** tab on the **Complete License** page and then click the **Emissions** tab (see arrow below):



The first few characters in the emission designator code include a “K” that is surrounded by some numerals. Substitute a decimal point for the K and you have the maximum occupied bandwidth your license allows (in kilobits per second). If this number is less than 11.5 kbps, you have a narrowband license and must transmit in 12.5 kHz channels. If it is more than 11.5 kbps, you have a wideband license and after 12/31/12, you must transmit in 12.5 kHz channels or in 25 kHz channels but with a radio link rate  $\geq 19200$  bps.