

Port City Amateur Radio Club

VHF Repeater W1WQM/R

145.15 MHz with a minus (-600 KHz) offset

Input is 144.55 MHz and the Output is 145.15 MHz

Please note a "PL™" tone is required - see below...

Setting YOUR rig to TRANSMIT a PL™ Tone (Tone Encode):

The PCARC Repeater System has three receiver sites. One is in Kensington where the transmitter is located, and the others are in Durham and Portsmouth. All receiver sites need to "hear" a specific sub-audible PL™ tone on your transmitted signal. If you are not transmitting a PL™ tone, or are not transmitting the correct PL™ tone for the intended receiver, you will NOT be heard. Use the PL™ tone to select the receiver nearest your location. When in doubt, select the PL™ tone for Kensington.

During ARES Nets and other Special Events, the PL™ tone requirement is dropped for easier access. **These are the PL™ tones for each of the PCARC receiver sites:**

- **Durham** **88.5 Hz**
 - **Kensington** **127.3 Hz**
 - **Portsmouth** **110.9 Hz**
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Setting YOUR rig to RECEIVE a PL™ Tone (Tone Decode):

The repeater also Transmits a 123.7 Hz PL™ tone. It is not necessary for you to enable your receiver to decode the tone transmitted by the PCARC repeater. Use of this tone will however, and only if you should choose to do so, allow you to utilize PL™ tone decoding features in your radio - if so equipped. Using PL™ tone decoding will keep your receiver muted until such time it detects the PCARC transmitted signal and its PL™ tone. Your receiver hears the PCARC transmitted tone and unmutes, allowing PCARC audio to be heard. When the PCARC signal and PL™ tone disappears, your receiver will revert to a muted condition. When operating from a distance to the PCARC repeater, and have difficulty receiving the PCARC machine, try disabling your PL™ tone decode. (You will still need to transmit a PL™ tone).

The PCARC offers several nets; here's our schedule:

Seacoast Net	Frequency	Day of Month	Time of Day	Comments
VHF ARES Net	147.57 MHz Simplex	1st Thursday	9:00 PM Eastern local time	All are welcome - you do NOT need to be an ARES member to participate. Please join us.
VHF ARES Net	144.55/145.15 MHz, W1WQM repeater	2nd, 3rd, 4th Thursday	9:00 PM Eastern local time	All are welcome - you do NOT need to be an ARES member to participate. Please join us.
HF Net	3.895 MHz	Every Sunday	10:00 AM Eastern local time	All are welcome – Please join us.