

## Ham 202 – Oklahoma frequencies

Dr. Marc & Rosemary Durham, Theway Labs, Bixby, OK © 250331

**Objective:** Be able to communicate as you travel around the beautiful, wide-spread, diverse terrain of Oklahoma.

**Repeaters** are the most effective way to communicate outside the range of your headlights. There are about 245 repeaters in the state. How do you find repeaters and frequencies? [www.repeaterbook.com/repeaters/](http://www.repeaterbook.com/repeaters/). Get the app.

**Radio input** of receive frequency, transmit frequency, up code, and down code is tedious by hand. We created a Chirp spread sheet with three sections in an \*.xlsx file to preserve formatting. Then save as a \*.csv for upload to your radio. Names are terse, since most common transceivers only have 6 characters.

*Evergreen Communications Group* channels are locations 1 through 9. The repeaters are accessible via radio, Allstar, and phone. Evergreen has allocations for three more UHF radios to fill in. With our terrain, some locations are difficult to hit using our short fold-over towers. We opted 'not-to-climb' because of costs, risks, and convenience. So it is necessary to fill in with more linked machines, like many groups.

Do you want to help the connection with repeaters? Even small machines covering a few sections can be an educational, fun, productive addition. If you have a location, would like to contribute toward purchasing a repeater, or would like to own one, let the Elmers know.

Location	Name	Machine	Frequency	Offset	rTone / cTone	Allstar node	Allstar ID
1	EvrgrV	VHF repeater	145.25	- 0.6	141.3 / 141.3	584801	KI5UNR-R
2	EvrgrX	VHF simplex	146.47				
3	EvrgrXb	UHF simplex and cross band	446.1				
4	EvrgrV	Reverse VHF for testing	144.65	+ 0.6			
5	ELenMtn	UHF repeater linked	443.325	+ 5.0	88.5 / 88.5	56860	NM0D-R
6	EDirection	UHF links as needed					
9	ElenRv	Reverse UHF for testing	448.325	- 5.0			

*Tulsa Amateur Radio Club* (TARC) has a list of known regional repeater frequencies. We simply added ten (10) to their channel number to create locations 11 through 58. So, if you are communicating with TARC in an activity, you can easily go to their channel number by adding 10 on your programmed radio. A leading *c* indicates TARC, *L* is TARC linked, *o* is Tulsa Repeater Organization. TARC operates the weather network across the region as WX5TUL. Locally it is on 443.85 MHz, PL tone 88.5, which is channel 41 on Evergreen (ch 31 on TARC) programmed radios.

*County* channels start at 61. The Name consists of the first three letters of the county followed by abbreviations of the community name. Some counties have no repeaters. Some communities have several. Rather than list all repeaters, many of which have little activity or access, we tried to select the one in each community with the greatest coverage.

**Links** connect multiple repeaters together, usually giving a broader coverage area, particularly for weather communication nets. We found at least eight (8) linked systems across the state, with the TARC Superlink being the largest. A number was assigned to the links as we discovered them. That number precedes the county abbreviation in the channel name. With many linked systems, talking on one is talking on all in that system.

#	Repeater Link System	Website
L	TARC Superlink	<a href="https://w5ias.com/repeater-systems/">https://w5ias.com/repeater-systems/</a>
2	Western Oklahoma Skywarn	<a href="https://k5gsm.link/">https://k5gsm.link/</a>
3	Lawton Independent Repeater Alliance	<a href="http://www.wx5law.org/repeaters-1.html">http://www.wx5law.org/repeaters-1.html</a>
4	Southwest Independent Repeater Assoc	<a href="https://swira.link/">https://swira.link/</a>
5	Arbuckle Mtn Link	<a href="https://www.repeaterbook.com/repeaters/details.php?state_id=40&amp;ID=4581">https://www.repeaterbook.com/repeaters/details.php?state_id=40&amp;ID=4581</a>
6	Oklahoma Link (Rogers County)	<a href="https://www.rcwa.org/oklahoma-link">https://www.rcwa.org/oklahoma-link</a>
7	Evergreen Link	<a href="https://www.evergreencg.org/">https://www.evergreencg.org/</a>
8	Pittsburg County	<a href="https://www.w5cuq.org/">https://www.w5cuq.org/</a>

**Other Codes** include *X* for Simplex, *w* for weather, *a* for Allstar. Many of the links are also Allstar and weather.

**Links and repeaters** are often the work of one Ham. Our good friend, mentor, and occasional supplier is Bob, W5RAB, who has more repeater locations than imaginable, way more than any link systems. He helped build TARC system. His number is 50 and counting.

**Changes** are common. We found several broken links since our last database. We encountered several silent keys (SK), which resulted in repeaters being off-air.

**You can help.** If you find any changes, or would like to list a repeater, please let us know, so we can update the info.

**Life is good.** Enjoy!

Click for [Chirp Frequencies](#)  
Hold [Ctrl] for new window

Click for [List Details](#)  
Hold [Ctrl] for new window

